Younan Xia

List of Publications by Year
in descending order

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655	151,888	35 192	69 373
papers	citations	h-index	g-index

704	704	704	87470
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Shape-Controlled Synthesis of Gold and Silver Nanoparticles. Science, 2002, 298, 2176-2179.	6.0	6,070
2	Shapeâ€Controlled Synthesis of Metal Nanocrystals: Simple Chemistry Meets Complex Physics?. Angewandte Chemie - International Edition, 2009, 48, 60-103.	7.2	4,930
3	SOFT LITHOGRAPHY. Annual Review of Materials Research, 1998, 28, 153-184.	5.5	4,347
4	Soft Lithography. Angewandte Chemie - International Edition, 1998, 37, 550-575.	7.2	4,140
5	Pd-Pt Bimetallic Nanodendrites with High Activity for Oxygen Reduction. Science, 2009, 324, 1302-1305.	6.0	2,814
6	Electrospinning and Electrospun Nanofibers: Methods, Materials, and Applications. Chemical Reviews, 2019, 119, 5298-5415.	23.0	2,814
7	Controlling the Synthesis and Assembly of Silver Nanostructures for Plasmonic Applications. Chemical Reviews, 2011, 111, 3669-3712.	23.0	2,410
8	Soft lithography for micro- and nanoscale patterning. Nature Protocols, 2010, 5, 491-502.	5.5	1,904
9	Gold nanostructures: engineering their plasmonic properties for biomedical applications. Chemical Society Reviews, 2006, 35, 1084.	18.7	1,595
10	Unconventional Methods for Fabricating and Patterning Nanostructures. Chemical Reviews, 1999, 99, 1823-1848.	23.0	1,518
11	Polyol Synthesis of Uniform Silver Nanowires:Â A Plausible Growth Mechanism and the Supporting Evidence. Nano Letters, 2003, 3, 955-960.	4.5	1,473
12	Engineered Nanoparticles for Drug Delivery in Cancer Therapy. Angewandte Chemie - International Edition, 2014, 53, 12320-12364.	7.2	1,447
13	Crystalline Silver Nanowires by Soft Solution Processing. Nano Letters, 2002, 2, 165-168.	4.5	1,436
14	Uniform Silver Nanowires Synthesis by Reducing AgNO3 with Ethylene Glycol in the Presence of Seeds and Poly(Vinyl Pyrrolidone). Chemistry of Materials, 2002, 14, 4736-4745.	3.2	1,421
15	Shape-Controlled Synthesis of Metal Nanostructures: The Case of Silver. Chemistry - A European Journal, 2005, 11, 454-463.	1.7	1,421
16	Electrospinning of Polymeric and Ceramic Nanofibers as Uniaxially Aligned Arrays. Nano Letters, 2003, 3, 1167-1171.	4.5	1,381
17	Bimetallic Nanocrystals: Syntheses, Properties, and Applications. Chemical Reviews, 2016, 116, 10414-10472.	23.0	1,339
18	Gold Nanocages: Synthesis, Properties, and Applications. Accounts of Chemical Research, 2008, 41, 1587-1595.	7.6	1,336

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19	Gold nanocages covered by smart polymers for controlled release with near-infrared light. Nature Materials, 2009, 8, 935-939.	13.3	1,335
20	Localized Surface Plasmon Resonance Spectroscopy of Single Silver Nanocubes. Nano Letters, 2005, 5, 2034-2038.	4.5	1,307
21	Langmuirâ^'Blodgett Silver Nanowire Monolayers for Molecular Sensing Using Surface-Enhanced Raman Spectroscopy. Nano Letters, 2003, 3, 1229-1233.	4.5	1,267
22	Fabrication of Titania Nanofibers by Electrospinning. Nano Letters, 2003, 3, 555-560.	4.5	1,183
23	Direct Fabrication of Composite and Ceramic Hollow Nanofibers by Electrospinning. Nano Letters, 2004, 4, 933-938.	4.5	1,158
24	Synthesis of Silver Nanostructures with Controlled Shapes and Properties. Accounts of Chemical Research, 2007, 40, 1067-1076.	7.6	1,063
25	Mechanistic Study on the Replacement Reaction between Silver Nanostructures and Chloroauric Acid in Aqueous Medium. Journal of the American Chemical Society, 2004, 126, 3892-3901.	6.6	1,051
26	Immuno Gold Nanocages with Tailored Optical Properties for Targeted Photothermal Destruction of Cancer Cells. Nano Letters, 2007, 7, 1318-1322.	4.5	999
27	Gold Nanomaterials at Work in Biomedicine. Chemical Reviews, 2015, 115, 10410-10488.	23.0	986
28	Maneuvering the Surface Plasmon Resonance of Silver Nanostructures through Shape-Controlled Synthesis. Journal of Physical Chemistry B, 2006, 110, 15666-15675.	1.2	944
29	Gold Nanocages:â€‰ Bioconjugation and Their Potential Use as Optical Imaging Contrast Agents. Nano Letters, 2005, 5, 473-477.	4.5	932
30	Polyol Synthesis of Silver Nanoparticles:â€‰ Use of Chloride and Oxygen to Promote the Formation of Single-Crystal, Truncated Cubes and Tetrahedrons. Nano Letters, 2004, 4, 1733-1739.	4.5	908
31	Template-Engaged Replacement Reaction:â€‰ A One-Step Approach to the Large-Scale Synthesis of Metal Nanostructures with Hollow Interiors. Nano Letters, 2002, 2, 481-485.	4.5	902
32	Polymer microstructures formed by moulding in capillaries. Nature, 1995, 376, 581-584.	13.7	857
33	25th Anniversary Article: Galvanic Replacement: A Simple and Versatile Route to Hollow Nanostructures with Tunable and Wellâ€Controlled Properties. Advanced Materials, 2013, 25, 6313-6333.	11.1	856
34	Platinum-based nanocages with subnanometer-thick walls and well-defined, controllable facets. Science, 2015, 349, 412-416.	6.0	854
35	Facile synthesis of Ag nanocubes and Au nanocages. Nature Protocols, 2007, 2, 2182-2190.	5.5	853
36	Shape-Controlled Synthesis and Surface Plasmonic Properties of Metallic Nanostructures. MRS Bulletin, 2005, 30, 338-348.	1.7	829

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37	Electrospun Nanofibers: New Concepts, Materials, and Applications. Accounts of Chemical Research, 2017, 50, 1976-1987.	7.6	826
38	Shape-controlled synthesis of platinum nanocrystals for catalytic and electrocatalytic applications. Nano Today, 2009, 4, 81-95.	6.2	805
39	A Comparison Study of the Catalytic Properties of Au-Based Nanocages, Nanoboxes, and Nanoparticles. Nano Letters, 2010, 10, 30-35.	4.5	772
40	Shape-Controlled Synthesis of Colloidal Metal Nanocrystals: Thermodynamic versus Kinetic Products. Journal of the American Chemical Society, 2015, 137, 7947-7966.	6.6	758
41	Gold Nanocages: From Synthesis to Theranostic Applications. Accounts of Chemical Research, 2011, 44, 914-924.	7.6	755
42	Understanding the Role of Surface Charges in Cellular Adsorption versus Internalization by Selectively Removing Gold Nanoparticles on the Cell Surface with a I₂/KI Etchant. Nano Letters, 2009, 9, 1080-1084.	4.5	728
43	Gold nanostructures: a class of multifunctional materials for biomedical applications. Chemical Society Reviews, 2011, 40, 44-56.	18.7	727
44	Transformation of Silver Nanospheres into Nanobelts and Triangular Nanoplates through a Thermal Process. Nano Letters, 2003, 3, 675-679.	4.5	716
45	Gold Nanocages as Photothermal Transducers for Cancer Treatment. Small, 2010, 6, 811-817.	5.2	654
46	The effect of sedimentation and diffusion on cellular uptake of gold nanoparticles. Nature Nanotechnology, 2011, 6, 385-391.	15.6	637
47	Kinetically Controlled Synthesis of Triangular and Hexagonal Nanoplates of Palladium and Their SPR/SERS Properties. Journal of the American Chemical Society, 2005, 127, 17118-17127.	6.6	629
48	Chemical Synthesis of Novel Plasmonic Nanoparticles. Annual Review of Physical Chemistry, 2009, 60, 167-192.	4.8	616
49	Synthesis and Optical Properties of Silver Nanobars and Nanorice. Nano Letters, 2007, 7, 1032-1036.	4.5	590
50	Seedâ€Mediated Growth of Colloidal Metal Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 60-95.	7.2	581
51	Poly(vinyl pyrrolidone):Â A Dual Functional Reductant and Stabilizer for the Facile Synthesis of Noble Metal Nanoplates in Aqueous Solutions. Langmuir, 2006, 22, 8563-8570.	1.6	578
52	Dimers of Silver Nanospheres: Facile Synthesis and Their Use as Hot Spots for Surface-Enhanced Raman Scattering. Nano Letters, 2009, 9, 485-490.	4.5	578
53	Large-Scale Synthesis of Silver Nanocubes: The Role of HCl in Promoting Cube Perfection and Monodispersity. Angewandte Chemie - International Edition, 2005, 44, 2154-2157.	7.2	576
54	Increased Sensitivity of Surface Plasmon Resonance of Gold Nanoshells Compared to That of Gold Solid Colloids in Response to Environmental Changes. Analytical Chemistry, 2002, 74, 5297-5305.	3.2	571

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55	Synthesis and Mechanistic Study of Palladium Nanobars and Nanorods. Journal of the American Chemical Society, 2007, 129, 3665-3675.	6.6	570
56	Shape-Controlled Synthesis of Pd Nanocrystals and Their Catalytic Applications. Accounts of Chemical Research, 2013, 46, 1783-1794.	7.6	568
57	Shapeâ€Controlled Synthesis of Pd Nanocrystals in Aqueous Solutions. Advanced Functional Materials, 2009, 19, 189-200.	7.8	567
58	Comparison Study of Gold Nanohexapods, Nanorods, and Nanocages for Photothermal Cancer Treatment. ACS Nano, 2013, 7, 2068-2077.	7.3	557
59	Synthesis and Characterization of Monodispersed Coreâ^'Shell Spherical Colloids with Movable Cores. Journal of the American Chemical Society, 2003, 125, 2384-2385.	6.6	555
60	Metal Nanocrystals with Highly Branched Morphologies. Angewandte Chemie - International Edition, 2011, 50, 76-85.	7.2	543
61	Synthesis and Characterization of 9 nm Ptâ€“Ni Octahedra with a Record High Activity of 3.3 A/mg_{Pt} for the Oxygen Reduction Reaction. Nano Letters, 2013, 13, 3420-3425.	4.5	542
62	Polymer hollow particles with controllable holes in their surfaces. Nature Materials, 2005, 4, 671-675.	13.3	524
63	Au@Ag Coreâ^'Shell Nanocubes with Finely Tuned and Well-Controlled Sizes, Shell Thicknesses, and Optical Properties. ACS Nano, 2010, 4, 6725-6734.	7.3	511
64	Optical Properties of Pdâ^'Ag and Ptâ^'Ag Nanoboxes Synthesized via Galvanic Replacement Reactions. Nano Letters, 2005, 5, 2058-2062.	4.5	508
65	Rapid synthesis of silver nanowires through a CuCl- or CuCl₂-mediated polyol process. Journal of Materials Chemistry, 2008, 18, 437-441.	6.7	494
66	Enhancing the catalytic and electrocatalytic properties of Pt-based catalysts by forming bimetallic nanocrystals with Pd. Chemical Society Reviews, 2012, 41, 8035.	18.7	481
67	Functionalization of Electrospun TiO₂ Nanofibers with Pt Nanoparticles and Nanowires for Catalytic Applications. Nano Letters, 2008, 8, 668-672.	4.5	470
68	Single-Crystal Nanowires of Platinum Can Be Synthesized by Controlling the Reaction Rate of a Polyol Process. Journal of the American Chemical Society, 2004, 126, 10854-10855.	6.6	469
69	Gold Nanocages for Biomedical Applications. Advanced Materials, 2007, 19, 3177-3184.	11.1	464
70	Ultrathin Gold Nanowires Can Be Obtained by Reducing Polymeric Strands of Oleylamineâ^'AuCl Complexes Formed via Aurophilic Interaction. Journal of the American Chemical Society, 2008, 130, 8900-8901.	6.6	460
71	Controlling the Thickness of the Surface Oxide Layer on Cu Nanoparticles for the Fabrication of Conductive Structures by Inkâ€Jet Printing. Advanced Functional Materials, 2008, 18, 679-686.	7.8	459
72	Electrospun Nanofibers for Regenerative Medicine. Advanced Healthcare Materials, 2012, 1, 10-25.	3.9	454

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73	Atomic Layer-by-Layer Deposition of Pt on Pd Nanocubes for Catalysts with Enhanced Activity and Durability toward Oxygen Reduction. Nano Letters, 2014, 14, 3570-3576.	4.5	448
74	Micromolding in Capillaries:Â Applications in Materials Science. Journal of the American Chemical Society, 1996, 118, 5722-5731.	6.6	447
75	Synthesis and characterization of stable aqueous dispersions of silver nanoparticles through the Tollens processElectronic supplementary information (ESI) available: photographs of silver mirror, and of stable dispersions of silver nanoparticles from mixing diluted silvering solutions under sonication at various times. See http://www.rsc.org/suppdata/jm/b1/b107469e/. Journal of Materials Chemistry, 2002, 12, 522-527.	6.7	445
76	Electrospinning: A Simple and Versatile Technique for Producing Ceramic Nanofibers and Nanotubes. Journal of the American Ceramic Society, 2006, 89, 1861-1869.	1.9	443
77	Dark-field microscopy studies of single metal nanoparticles: understanding the factors that influence the linewidth of the localized surface plasmon resonance. Journal of Materials Chemistry, 2008, 18, 1949.	6.7	441
78	Palladiumâ€“platinum core-shell icosahedra with substantially enhanced activity and durability towards oxygen reduction. Nature Communications, 2015, 6, 7594.	5.8	440
79	Synthesis of Pd nanocrystals enclosed by {100} facets and with sizes <10 nm for application in CO oxidation. Nano Research, 2011, 4, 83-91.	5.8	436
80	In Vivo Molecular Photoacoustic Tomography of Melanomas Targeted by Bioconjugated Gold Nanocages. ACS Nano, 2010, 4, 4559-4564.	7.3	431
81	Understanding the Role of Oxidative Etching in the Polyol Synthesis of Pd Nanoparticles with Uniform Shape and Size. Journal of the American Chemical Society, 2005, 127, 7332-7333.	6.6	428
82	Bottom-Up and Top-Down Approaches to the Synthesis of Monodispersed Spherical Colloids of Low Melting-Point Metals. Nano Letters, 2004, 4, 2047-2050.	4.5	425
83	The differentiation of embryonic stem cells seeded on electrospun nanofibers into neural lineages. Biomaterials, 2009, 30, 354-362.	5.7	420
84	Facile Synthesis of Goldâ^'Silver Nanocages with Controllable Pores on the Surface. Journal of the American Chemical Society, 2006, 128, 14776-14777.	6.6	417
85	Platinum Concave Nanocubes with Highâ€Index Facets and Their Enhanced Activity for Oxygen Reduction Reaction. Angewandte Chemie - International Edition, 2011, 50, 2773-2777.	7.2	414
86	Controlling the Shapes of Silver Nanocrystals with Different Capping Agents. Journal of the American Chemical Society, 2010, 132, 8552-8553.	6.6	412
87	Nobleâ€Metal Nanocrystals with Concave Surfaces: Synthesis and Applications. Angewandte Chemie - International Edition, 2012, 51, 7656-7673.	7.2	411
88	Soft lithographic methods for nano-fabrication. Journal of Materials Chemistry, 1997, 7, 1069-1074.	6.7	410
89	Shapeâ€Controlled Synthesis of Copper Nanocrystals in an Aqueous Solution with Glucose as a Reducing Agent and Hexadecylamine as a Capping Agent. Angewandte Chemie - International Edition, 2011, 50, 10560-10564.	7.2	410
90	Synthesis of Pdâ^'Pt Bimetallic Nanocrystals with a Concave Structure through a Bromide-Induced Galvanic Replacement Reaction. Journal of the American Chemical Society, 2011, 133, 6078-6089.	6.6	405

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91	Photoacoustic Tomography of a Rat Cerebral Cortex in vivo with Au Nanocages as an Optical Contrast Agent. Nano Letters, 2007, 7, 3798-3802.	4.5	404
92	Electrospinning of nanofibers with core-sheath, hollow, or porous structures. Journal of Materials Chemistry, 2005, 15, 735.	6.7	401
93	Synthesis and Optical Properties of Nanorattles and Multiple-Walled Nanoshells/Nanotubes Made of Metal Alloys. Journal of the American Chemical Society, 2004, 126, 9399-9406.	6.6	400
94	Size-Dependence of Surface Plasmon Resonance and Oxidation for Pd Nanocubes Synthesized via a Seed Etching Process. Nano Letters, 2005, 5, 1237-1242.	4.5	399
95	Polyol Synthesis of Platinum Nanoparticles:Â Control of Morphology with Sodium Nitrate. Nano Letters, 2004, 4, 2367-2371.	4.5	397
96	Polyol Synthesis of Platinum Nanostructures: Control of Morphology through the Manipulation of Reduction Kinetics. Angewandte Chemie - International Edition, 2005, 44, 2589-2592.	7.2	391
97	Noble-Metal Nanocrystals with Controlled Shapes for Catalytic and Electrocatalytic Applications. Chemical Reviews, 2021, 121, 649-735.	23.0	388
98	A New Theranostic System Based on Gold Nanocages and Phase-Change Materials with Unique Features for Photoacoustic Imaging and Controlled Release. Journal of the American Chemical Society, 2011, 133, 4762-4765.	6.6	382
99	Collecting Electrospun Nanofibers with Patterned Electrodes. Nano Letters, 2005, 5, 913-916.	4.5	380
100	Synthesis of Anatase TiO₂ Nanocrystals with Exposed {001} Facets. Nano Letters, 2009, 9, 2455-2459.	4.5	380
101	Seed-Mediated Synthesis of Ag Nanocubes with Controllable Edge Lengths in the Range of 30â˜200 nm and Comparison of Their Optical Properties. Journal of the American Chemical Society, 2010, 132, 11372-11378.	6.6	380
102	Structure Sensitivity of Alkynol Hydrogenation on Shape- and Size-Controlled Palladium Nanocrystals: Which Sites Are Most Active and Selective?. Journal of the American Chemical Society, 2011, 133, 12787-12794.	6.6	379
103	Palladium Concave Nanocubes with Highâ€Index Facets and Their Enhanced Catalytic Properties. Angewandte Chemie - International Edition, 2011, 50, 7850-7854.	7.2	379
104	Observation of Plasmon Propagation, Redirection, and Fan-Out in Silver Nanowires. Nano Letters, 2006, 6, 1822-1826.	4.5	376
105	Intermetallic Nanocrystals: Syntheses and Catalytic Applications. Advanced Materials, 2017, 29, 1605997.	11.1	375
106	Right Bipyramids of Silver:â€‰ A New Shape Derived from Single Twinned Seeds. Nano Letters, 2006, 6, 765-768.	4.5	365
107	Near-Infrared Gold Nanocages as a New Class of Tracers for Photoacoustic Sentinel Lymph Node Mapping on a Rat Model. Nano Letters, 2009, 9, 183-188.	4.5	365
108	Shape-Controlled Synthesis of Silver Nanoparticles for Plasmonic and Sensing Applications. Plasmonics, 2009, 4, 171-179.	1.8	364

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109	Fabrication of Cubic Nanocages and Nanoframes by Dealloying Au/Ag Alloy Nanoboxes with an Aqueous Etchant Based on Fe(NO3)3 or NH4OH. Nano Letters, 2007, 7, 1764-1769.	4.5	360
110	Palladium nanocrystals enclosed by {100} and {111} facets in controlled proportions and their catalytic activities for formic acid oxidation. Energy and Environmental Science, 2012, 5, 6352-6357.	15.6	358
111	Polyol Synthesis of Silver Nanostructures:Â Control of Product Morphology with Fe(II) or Fe(III) Species. Langmuir, 2005, 21, 8077-8080.	1.6	354
112	Fabrication of three-dimensional micro-structures: Microtransfer molding. Advanced Materials, 1996, 8, 837-840.	11.1	352
113	Silver Nanowires Can Be Directly Coated with Amorphous Silica To Generate Well-Controlled Coaxial Nanocables of Silver/Silica. Nano Letters, 2002, 2, 427-430.	4.5	351
114	One-Dimensional Nanostructures of Metals:Â Large-Scale Synthesis and Some Potential Applications. Langmuir, 2007, 23, 4120-4129.	1.6	351
115	Assembly of Mesoscale Particles over Large Areas and Its Application in Fabricating Tunable Optical Filters. Langmuir, 1999, 15, 266-273.	1.6	345
116	Soft Lithography. , 1998, 37, 550.		343
117	On the role of surface diffusion in determining the shape or morphology of noble-metal nanocrystals. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 6669-6673.	3.3	339
118	A Solution-Phase Approach to the Synthesis of Uniform Nanowires of Crystalline Selenium with Lateral Dimensions in the Range of 10â^'30 nm. Journal of the American Chemical Society, 2000, 122, 12582-12583.	6.6	338
119	Alloying and Dealloying Processes Involved in the Preparation of Metal Nanoshells through a Galvanic Replacement Reaction. Nano Letters, 2003, 3, 1569-1572.	4.5	333
120	Mechanistic Studies on the Galvanic Replacement Reaction between Multiply Twinned Particles of Ag and HAuCl4in an Organic Medium. Journal of the American Chemical Society, 2007, 129, 1733-1742.	6.6	331
121	Electrospun nanofibers for neural tissue engineering. Nanoscale, 2010, 2, 35-44.	2.8	328
122	On the Polyol Synthesis of Silver Nanostructures: Glycolaldehyde as a Reducing Agent. Nano Letters, 2008, 8, 2077-2081.	4.5	324
123	Rapid synthesis of small silver nanocubes by mediating polyol reduction with a trace amount of sodium sulfide or sodium hydrosulfide. Chemical Physics Letters, 2006, 432, 491-496.	1.2	323
124	The SERS Activity of a Supported Ag Nanocube Strongly Depends on Its Orientation Relative to Laser Polarization. Nano Letters, 2007, 7, 1013-1017.	4.5	321
125	Highly Porous Fibers by Electrospinning into a Cryogenic Liquid. Journal of the American Chemical Society, 2006, 128, 1436-1437.	6.6	318
126	Unraveling the Effects of Size, Composition, and Substrate on the Localized Surface Plasmon Resonance Frequencies of Gold and Silver Nanocubes: A Systematic Single-Particle Approach. Journal of Physical Chemistry C, 2010, 114, 12511-12516.	1.5	314

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127	Melt Coaxial Electrospinning:Â A Versatile Method for the Encapsulation of Solid Materials and Fabrication of Phase Change Nanofibers. Nano Letters, 2006, 6, 2868-2872.	4.5	313
128	Integration of photonic and silver nanowire plasmonic waveguides. Nature Nanotechnology, 2008, 3, 660-665.	15.6	313
129	Radioactive ¹⁹⁸Au-Doped Nanostructures with Different Shapes for In Vivo Analyses of Their Biodistribution, Tumor Uptake, and Intratumoral Distribution. ACS Nano, 2014, 8, 4385-4394.	7.3	312
130	A Quantitative Study on the Photothermal Effect of Immuno Gold Nanocages Targeted to Breast Cancer Cells. ACS Nano, 2008, 2, 1645-1652.	7.3	311
131	Nanofiber Scaffolds with Gradations in Mineral Content for Mimicking the Tendon-to-Bone Insertion Site. Nano Letters, 2009, 9, 2763-2768.	4.5	310
132	Putting Electrospun Nanofibers to Work for Biomedical Research. Macromolecular Rapid Communications, 2008, 29, 1775-1792.	2.0	309
133	Ceramic nanofibers fabricated by electrospinning and their applications in catalysis, environmental science, and energy technology. Polymers for Advanced Technologies, 2011, 22, 326-338.	1.6	307
134	Corrosion-Based Synthesis of Single-Crystal Pd Nanoboxes and Nanocages and Their Surface Plasmon Properties. Angewandte Chemie - International Edition, 2005, 44, 7913-7917.	7.2	305
135	Conductive Coreâ€“Sheath Nanofibers and Their Potential Application in Neural Tissue Engineering. Advanced Functional Materials, 2009, 19, 2312-2318.	7.8	305
136	The Effects of Size, Shape, and Surface Functional Group of Gold Nanostructures on Their Adsorption and Internalization by Cells. Small, 2010, 6, 517-522.	5.2	304
137	Facile Synthesis of Ag Nanocubes of 30 to 70â€…nm in Edge Length with CF₃COOAg as a Precursor. Chemistry - A European Journal, 2010, 16, 10234-10239.	1.7	298
138	Pd@Pt Coreâ€“Shell Concave Decahedra: A Class of Catalysts for the Oxygen Reduction Reaction with Enhanced Activity and Durability. Journal of the American Chemical Society, 2015, 137, 15036-15042.	6.6	296
139	Stimuliâ€Responsive Materials for Controlled Release of Theranostic Agents. Advanced Functional Materials, 2014, 24, 4206-4220.	7.8	294
140	Emerging Applications of Phaseâ€€hange Materials (PCMs): Teaching an Old Dog New Tricks. Angewandte Chemie - International Edition, 2014, 53, 3780-3795.	7.2	292
141	One-dimensional nanostructures of trigonal tellurium with various morphologies can be synthesized using a solution-phase approach. Journal of Materials Chemistry, 2002, 12, 1875-1881.	6.7	291
142	Discrete plasticity in sub-10-nm-sized gold crystals. Nature Communications, 2010, 1, 144.	5.8	289
143	A Plasmonâ€Assisted Optofluidic (PAOF) System for Measuring the Photothermal Conversion Efficiencies of Gold Nanostructures and Controlling an Electrical Switch. Angewandte Chemie - International Edition, 2013, 52, 4169-4173.	7.2	287
144	Replica molding using polymeric materials: A practical step toward nanomanufacturing. Advanced Materials, 1997, 9, 147-149.	11.1	285

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145	Quantitative Analysis of the Role Played by Poly(vinylpyrrolidone) in Seed-Mediated Growth of Ag Nanocrystals. Journal of the American Chemical Society, 2012, 134, 1793-1801.	6.6	277
146	Microcontact Printing of Octadecylsiloxane on the Surface of Silicon Dioxide and Its Application in Microfabrication. Journal of the American Chemical Society, 1995, 117, 9576-9577.	6.6	276
147	Synthesis of Ag Nanocubes 18â€“32 nm in Edge Length: The Effects of Polyol on Reduction Kinetics, Size Control, and Reproducibility. Journal of the American Chemical Society, 2013, 135, 1941-1951.	6.6	275
148	Shape-Controlled Synthesis of Silver and Gold Nanostructures. MRS Bulletin, 2005, 30, 356-361.	1.7	272
149	V2O5Nanorods on TiO2Nanofibers: A New Class of Hierarchical Nanostructures Enabled by Electrospinning and Calcination. Nano Letters, 2006, 6, 1297-1302.	4.5	269
150	Successive, Seedâ€Mediated Growth for the Synthesis of Singleâ€Crystal Gold Nanospheres with Uniform Diameters Controlled in the Range of 5â€“150 nm. Particle and Particle Systems Characterization, 2014, 31, 266-273.	1.2	269
151	Radially Aligned, Electrospun Nanofibers as Dural Substitutes for Wound Closure and Tissue Regeneration Applications. ACS Nano, 2010, 4, 5027-5036.	7.3	268
152	Use of Electrospinning to Directly Fabricate Hollow Nanofibers with Functionalized Inner and Outer Surfaces. Small, 2004, 1, 83-86.	5.2	264
153	Structural dependence of oxygen reduction reaction on palladium nanocrystals. Chemical Communications, 2011, 47, 6566.	2.2	264
154	Hollow Nanostructures of Platinum with Controllable Dimensions Can Be Synthesized by Templating Against Selenium Nanowires and Colloids. Journal of the American Chemical Society, 2003, 125, 13364-13365.	6.6	257
155	Solvent-assisted microcontact molding: A convenient method for fabricating three-dimensional structures on surfaces of polymers. Advanced Materials, 1997, 9, 651-654.	11.1	254
156	Synthesis of Palladium Icosahedra with Twinned Structure by Blocking Oxidative Etching with Citric Acid or Citrate Ions. Angewandte Chemie - International Edition, 2007, 46, 790-794.	7.2	254
157	Synthesis of Pdâ˜Au Bimetallic Nanocrystals via Controlled Overgrowth. Journal of the American Chemical Society, 2010, 132, 2506-2507.	6.6	252
158	Nanocrystals with Unconventional Shapesâ€”A Class of Promising Catalysts. Angewandte Chemie - International Edition, 2007, 46, 7157-7159.	7.2	250
159	A Comparative Study of Galvanic Replacement Reactions Involving Ag Nanocubes and AuCl₂^{â˜} or AuCl₄^{â˜}. Advanced Materials, 2008, 20, 2517-2522.	11.1	246
160	A Thermoresponsive Bubble-Generating Liposomal System for Triggering Localized Extracellular Drug Delivery. ACS Nano, 2013, 7, 438-446.	7.3	246
161	Two- and three-dimensional crystallization of polymeric microspheres by micromolding in capillaries. Advanced Materials, 1996, 8, 245-247.	11.1	245
162	One-Dimensional Metal Nanostructures: From Colloidal Syntheses to Applications. Chemical Reviews, 2019, 119, 8972-9073.	23.0	240

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163	Facile Synthesis of Highly Faceted Multioctahedral Pt Nanocrystals through Controlled Overgrowth. Nano Letters, 2008, 8, 4043-4047.	4.5	236
164	Neurite Outgrowth on Nanofiber Scaffolds with Different Orders, Structures, and Surface Properties. ACS Nano, 2009, 3, 1151-1159.	7.3	236
165	Facile Synthesis of Pdâ€“Pt Alloy Nanocages and Their Enhanced Performance for Preferential Oxidation of CO in Excess Hydrogen. ACS Nano, 2011, 5, 8212-8222.	7.3	236
166	The physical chemistry and materials science behind sinter-resistant catalysts. Chemical Society Reviews, 2018, 47, 4314-4331.	18.7	236
167	Optical Near-Field Mapping of Plasmonic Nanoprisms. Nano Letters, 2008, 8, 3357-3363.	4.5	233
168	Rapid prototyping of complex structures with feature sizes larger than 20 ?m. Advanced Materials, 1996, 8, 917-919.	11.1	231
169	Chemical transformations of nanostructured materials. Nano Today, 2011, 6, 186-203.	6.2	230
170	Pt-Based Icosahedral Nanocages: Using a Combination of {111} Facets, Twin Defects, and Ultrathin Walls to Greatly Enhance Their Activity toward Oxygen Reduction. Nano Letters, 2016, 16, 1467-1471.	4.5	228
171	Synthesis of Pdâ€Rh Coreâ€“Frame Concave Nanocubes and Their Conversion to Rh Cubic Nanoframes by Selective Etching of the Pd Cores. Angewandte Chemie - International Edition, 2012, 51, 10266-10270.	7.2	226
172	Magnetic nanofibers of nickel ferrite prepared by electrospinning. Applied Physics Letters, 2003, 83, 4586-4588.	1.5	225
173	Facile Synthesis of Sub-20 nm Silver Nanowires through a Bromide-Mediated Polyol Method. ACS Nano, 2016, 10, 7892-7900.	7.3	223
174	Gold nanocages as contrast agents for spectroscopic optical coherence tomography. Optics Letters, 2005, 30, 3048.	1.7	221
175	Facile Synthesis of Bimetallic Nanoplates Consisting of Pd Cores and Pt Shells through Seeded Epitaxial Growth. Nano Letters, 2008, 8, 2535-2540.	4.5	221
176	A Waterâ€Based Synthesis of Octahedral, Decahedral, and Icosahedral Pd Nanocrystals. Angewandte Chemie - International Edition, 2007, 46, 9279-9282.	7.2	218
177	Gold Nanocages: A Novel Class of Multifunctional Nanomaterials for Theranostic Applications. Advanced Functional Materials, 2010, 20, 3684-3694.	7.8	216
178	A Selective Etching Solution for Use with Patterned Self-Assembled Monolayers of Alkanethiolates on Gold. Chemistry of Materials, 1995, 7, 2332-2337.	3.2	214
179	Magneticâ€Fieldâ€Assisted Electrospinning of Aligned Straight and Wavy Polymeric Nanofibers. Advanced Materials, 2010, 22, 2454-2457.	11.1	214
180	A Temperatureâ€Sensitive Drug Release System Based on Phaseâ€Change Materials. Angewandte Chemie - International Edition, 2010, 49, 7904-7908.	7.2	211

#	Article	IF	Citations
181	Quantifying the Coverage Density of Poly(ethylene glycol) Chains on the Surface of Gold Nanostructures. ACS Nano, 2012, 6, 512-522.	7.3	209
182	Controlling the Nucleation and Growth of Silver on Palladium Nanocubes by Manipulating the Reaction Kinetics. Angewandte Chemie - International Edition, 2012, 51, 2354-2358.	7.2	209
183	Atomic Layer-by-Layer Deposition of Platinum on Palladium Octahedra for Enhanced Catalysts toward the Oxygen Reduction Reaction. ACS Nano, 2015, 9, 2635-2647.	7.3	209
184	Extending Microcontact Printing as a Microlithographic Technique. Langmuir, 1997, 13, 2059-2067.	1.6	206
185	Understanding the SERS Effects of Single Silver Nanoparticles and Their Dimers, One at a Time. Journal of Physical Chemistry Letters, 2010, 1, 696-703.	2.1	205
186	Oxidative Etching and Its Role in Manipulating the Nucleation and Growth of Noble-Metal Nanocrystals. Chemistry of Materials, 2014, 26, 22-33.	3.2	203
187	Controlling the Assembly of Silver Nanocubes through Selective Functionalization of Their Faces. Advanced Materials, 2008, 20, 2416-2420.	11.1	202
188	Synthesis of silver nanoplates at high yields by slowing down the polyol reduction of silver nitrate with polyacrylamide. Journal of Materials Chemistry, 2007, 17, 2600.	6.7	201
189	Successive Deposition of Silver on Silver Nanoplates: Lateral versus Vertical Growth. Angewandte Chemie - International Edition, 2011, 50, 244-249.	7.2	200
190	Shape-controlled synthesis of silver nanoparticles: Ab initio study of preferential surface coordination with citric acid. Chemical Physics Letters, 2008, 458, 113-116.	1.2	199
191	UVâ€“Ozone Cleaning of Supported Poly(vinylpyrrolidone)-Stabilized Palladium Nanocubes: Effect of Stabilizer Removal on Morphology and Catalytic Behavior. Langmuir, 2011, 27, 7909-7916.	1.6	199
192	â€œAligned-to-randomâ€•nanofiber scaffolds for mimicking the structure of the tendon-to-bone insertion site. Nanoscale, 2010, 2, 923.	2.8	195
193	Comparison of the surface-enhanced Raman scattering on sharp and truncated silver nanocubes. Chemical Physics Letters, 2006, 427, 122-126.	1.2	193
194	A Self-Assembly Approach to the Formation of Asymmetric Dimers from Monodispersed Spherical Colloids. Journal of the American Chemical Society, 2001, 123, 771-772.	6.6	192
195	Controlling the Morphology of Rhodium Nanocrystals by Manipulating the Growth Kinetics with a Syringe Pump. Nano Letters, 2011, 11, 898-903.	4.5	190
196	Engineering the properties of metal nanostructures via galvanic replacement reactions. Materials Science and Engineering Reports, 2010, 70, 44-62.	14.8	189
197	Nucleation and growth mechanisms for Pd-Pt bimetallic nanodendrites and their electrocatalytic properties. Nano Research, 2010, 3, 69-80.	5.8	188
198	Pattern transfer: Self-assembled monolayers as ultrathin resists. Microelectronic Engineering, 1996, 32, 255-268.	1.1	187

#	Article	IF	Citations
199	Growing Pt Nanowires as a Densely Packed Array on Metal Gauze. Journal of the American Chemical Society, 2007, 129, 10634-10635.	6.6	181
200	Use of Reduction Rate as a Quantitative Knob for Controlling the Twin Structure and Shape of Palladium Nanocrystals. Nano Letters, 2015, 15, 1445-1450.	4.5	180
201	Surface Capping Agents and Their Roles in Shapeâ€Controlled Synthesis of Colloidal Metal Nanocrystals. Angewandte Chemie - International Edition, 2020, 59, 15378-15401.	7.2	180
202	A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells. Angewandte Chemie - International Edition, 2017, 56, 8801-8804.	7.2	179
203	Ag Nanowires Coated with Ag/Pd Alloy Sheaths and Their Use as Substrates for Reversible Absorption and Desorption of Hydrogen. Journal of the American Chemical Society, 2004, 126, 5940-5941.	6.6	177
204	Silver Nanocrystals with Concave Surfaces and Their Optical and Surfaceâ€Enhanced Raman Scattering Properties. Angewandte Chemie - International Edition, 2011, 50, 12542-12546.	7.2	177
205	Synthesis and Characterization of Mesoscopic Hollow Spheres of Ceramic Materials with Functionalized Interior Surfaces. Chemistry of Materials, 2001, 13, 1146-1148.	3.2	173
206	Polyol Synthesis of Ultrathin Pd Nanowires via Attachmentâ€Based Growth and Their Enhanced Activity towards Formic Acid Oxidation. Advanced Functional Materials, 2014, 24, 131-139.	7.8	173
207	Kinetically Controlled Overgrowth of Ag or Au on Pd Nanocrystal Seeds: From Hybrid Dimers to Nonconcentric and Concentric Bimetallic Nanocrystals. Journal of the American Chemical Society, 2012, 134, 15822-15831.	6.6	172
208	Quantitative Analysis of Dipole and Quadrupole Excitation in the Surface Plasmon Resonance of Metal Nanoparticles. Journal of Physical Chemistry C, 2008, 112, 20233-20240.	1.5	170
209	Chitosanâ€Based Inverse Opals: Threeâ€Dimensional Scaffolds with Uniform Pore Structures for Cell Culture. Advanced Materials, 2009, 21, 2997-3001.	11.1	168
210	Synthesis and Characterization of Nobleâ€Metal Nanostructures Containing Gold Nanorods in the Center. Advanced Materials, 2010, 22, 744-748.	11.1	166
211	Recent Developments in Shape-Controlled Synthesis of Silver Nanocrystals. Journal of Physical Chemistry C, 2012, 116, 21647-21656.	1.5	166
212	Synthesis and Characterization of Pd@Ptâ€“Ni Coreâ€“Shell Octahedra with High Activity toward Oxygen Reduction. ACS Nano, 2014, 8, 10363-10371.	7.3	165
213	Use of controlled reactive spreading of liquid alkanethiol on the surface of gold to modify the size of features produced by microcontact Printing. Journal of the American Chemical Society, 1995, 117, 3274-3275.	6.6	164
214	Isolating and Probing the Hot Spot Formed between Two Silver Nanocubes. Angewandte Chemie - International Edition, 2009, 48, 2180-2184.	7.2	163
215	Targeting gold nanocages to cancer cells for photothermal destruction and drug delivery. Expert Opinion on Drug Delivery, 2010, 7, 577-587.	2.4	163
216	An aligned porous electrospun fibrous membrane with controlled drug delivery â€“ An efficient strategy to accelerate diabetic wound healing with improved angiogenesis. Acta Biomaterialia, 2018, 70, 140-153.	4.1	163

#	Article	IF	Citations
217	Electrocatalysis on Shape-Controlled Palladium Nanocrystals: Oxygen Reduction Reaction and Formic Acid Oxidation. Journal of Physical Chemistry C, 2013, 117, 4172-4180.	1.5	162
218	Microcontact Printing of Alkanethiols on Silver and Its Application in Microfabrication. Journal of the Electrochemical Society, 1996, 143, 1070-1079.	1.3	161
219	Synthesis of Silver Octahedra with Controlled Sizes and Optical Properties via Seed-Mediated Growth. ACS Nano, 2013, 7, 4586-4594.	7.3	159
220	A Eutectic Mixture of Natural Fatty Acids Can Serve as the Gating Material for Nearâ€Infraredâ€Triggered Drug Release. Advanced Materials, 2017, 29, 1703702.	11.1	159
221	Neurite Outgrowth on Electrospun Nanofibers with Uniaxial Alignment: The Effects of Fiber Density, Surface Coating, and Supporting Substrate. ACS Nano, 2014, 8, 1878-1885.	7.3	157
222	Quantitative Analysis of the Coverage Density of Br^{â€“} Ions on Pd{100} Facets and Its Role in Controlling the Shape of Pd Nanocrystals. Journal of the American Chemical Society, 2013, 135, 3780-3783.	6.6	156
223	Evaluating the Pharmacokinetics and In Vivo Cancer Targeting Capability of Au Nanocages by Positron Emission Tomography Imaging. ACS Nano, 2012, 6, 5880-5888.	7.3	155
224	Trimeric Clusters of Silver in Aqueous AgNO3 Solutions and Their Role as Nuclei in Forming Triangular Nanoplates of Silver. Angewandte Chemie - International Edition, 2007, 46, 4917-4921.	7.2	153
225	Quantifying the Cellular Uptake of Antibody-Conjugated Au Nanocages by Two-Photon Microscopy and Inductively Coupled Plasma Mass Spectrometry. ACS Nano, 2010, 4, 35-42.	7.3	150
226	Synthesis and Characterization of Ptâ€“Ag Alloy Nanocages with Enhanced Activity and Durability toward Oxygen Reduction. Nano Letters, 2016, 16, 6644-6649.	4.5	150
227	Facile Synthesis of Silver Nanocubes with Sharp Corners and Edges in an Aqueous Solution. ACS Nano, 2016, 10, 9861-9870.	7.3	149
228	Polyol synthesis of Cu2O nanoparticles: use of chloride to promote the formation of a cubic morphology. Journal of Materials Chemistry, 2008, 18, 4069.	6.7	147
229	Cation Exchange:Â A Simple and Versatile Route to Inorganic Colloidal Spheres with the Same Size but Different Compositions and Properties. Langmuir, 2007, 23, 2985-2992.	1.6	146
230	Facile Synthesis of Iridium Nanocrystals with Well-Controlled Facets Using Seed-Mediated Growth. Journal of the American Chemical Society, 2014, 136, 10878-10881.	6.6	146
231	Microcontact Printing of Alkanethiols on Copper and Its Application in Microfabrication. Chemistry of Materials, 1996, 8, 601-603.	3.2	145
232	Nanofiber Scaffolds with Gradients in Mineral Content for Spatial Control of Osteogenesis. ACS Applied Materials & Interfaces, 2014, 6, 2842-2849.	4.0	145
233	Synthesis and Electrical Characterization of Silver Nanobeams. Nano Letters, 2006, 6, 2273-2278.	4.5	144
234	Facile Synthesis of Gold Nanoparticles with Narrow Size Distribution by Using AuCl or AuBr as the Precursor. Chemistry - A European Journal, 2008, 14, 1584-1591.	1.7	143

#	Article	IF	Citations
235	Synthesis of Colloidal Metal Nanocrystals: A Comprehensive Review on the Reductants. Chemistry - A European Journal, 2018, 24, 16944-16963.	1.7	143
236	Micromolding of Polymers in Capillaries:Â Applications in Microfabrication. Chemistry of Materials, 1996, 8, 1558-1567.	3.2	142
237	Nerve Guidance Conduits Based on Double-Layered Scaffolds of Electrospun Nanofibers for Repairing the Peripheral Nervous System. ACS Applied Materials & Interfaces, 2014, 6, 9472-9480.	4.0	141
238	Toward continuous and scalable production of colloidal nanocrystals by switching from batch to droplet reactors. Chemical Society Reviews, 2015, 44, 5806-5820.	18.7	141
239	Gold nanocages for cancer detection and treatment. Nanomedicine, 2007, 2, 657-668.	1.7	140
240	Phaseâ€Change Materials for Controlled Release and Related Applications. Advanced Materials, 2020, 32, e2000660.	11.1	140
241	Copper Can Still Be Epitaxially Deposited on Palladium Nanocrystals To Generate Coreâ€“Shell Nanocubes Despite Their Large Lattice Mismatch. ACS Nano, 2012, 6, 2566-2573.	7.3	139
242	Facile Synthesis of Palladium Right Bipyramids and Their Use as Seeds for Overgrowth and as Catalysts for Formic Acid Oxidation. Journal of the American Chemical Society, 2013, 135, 15706-15709.	6.6	139
243	Synthesis and optical properties of cubic gold nanoframes. Nano Research, 2008, 1, 441-449.	5.8	138
244	Synthesis, Stability, and Surface Plasmonic Properties of Rhodium Multipods, and Their Use as Substrates for Surface-Enhanced Raman Scattering. Angewandte Chemie - International Edition, 2006, 45, 1288-1292.	7.2	135
245	A conducive bioceramic/polymer composite biomaterial for diabetic wound healing. Acta Biomaterialia, 2017, 60, 128-143.	4.1	135
246	Non-Photolithographic Methods for Fabrication of Elastomeric Stamps for Use in Microcontact Printing. Langmuir, 1996, 12, 4033-4038.	1.6	134
247	Pdâ€“Cu Bimetallic Tripods: A Mechanistic Understanding of the Synthesis and Their Enhanced Electrocatalytic Activity for Formic Acid Oxidation. Advanced Functional Materials, 2014, 24, 7520-7529.	7.8	134
248	Bright Threeâ€Photon Luminescence from Gold/Silver Alloyed Nanostructures for Bioimaging with Negligible Photothermal Toxicity. Angewandte Chemie - International Edition, 2010, 49, 3485-3488.	7.2	133
249	Maneuvering the Internal Porosity and Surface Morphology of Electrospun Polystyrene Yarns by Controlling the Solvent and Relative Humidity. Langmuir, 2013, 29, 7070-7078.	1.6	133
250	A Facile Synthesis of Asymmetric Hybrid Colloidal Particles. Journal of the American Chemical Society, 2009, 131, 1352-1353.	6.6	132
251	Photocatalytic deposition of gold nanoparticles on electrospun nanofibers of titania. Chemical Physics Letters, 2004, 394, 387-391.	1.2	131
252	Mechanistic Study of the Synthesis of Au Nanotadpoles, Nanokites, and Microplates by Reducing Aqueous HAuCl₄ with Poly(vinyl pyrrolidone). Langmuir, 2008, 24, 10437-10442.	1.6	130

#	Article	IF	Citations
253	Gold nanocages covered with thermally-responsive polymers for controlled release by high-intensity focused ultrasound. Nanoscale, 2011, 3, 1724.	2.8	130
254	Radioluminescent Gold Nanocages with Controlled Radioactivity for Real-Time in Vivo Imaging. Nano Letters, 2013, 13, 581-585.	4.5	128
255	Ptâ€“Co@Pt Octahedral Nanocrystals: Enhancing Their Activity and Durability toward Oxygen Reduction with an Intermetallic Core and an Ultrathin Shell. Journal of the American Chemical Society, 2021, 143, 8509-8518.	6.6	128
256	Ultrafast Laser Studies of the Photothermal Properties of Gold Nanocages. Journal of Physical Chemistry B, 2006, 110, 1520-1524.	1.2	127
257	Dissolving Ag from Auâ^'Ag Alloy Nanoboxes with H₂O₂: A Method for Both Tailoring the Optical Properties and Measuring the H₂O₂ Concentration. Journal of Physical Chemistry C, 2010, 114, 6396-6400.	1.5	127
258	Inverse Opal Scaffolds and Their Biomedical Applications. Advanced Materials, 2017, 29, 1701115.	11.1	127
259	Surface-Enhanced Raman Scattering: Comparison of Three Different Molecules on Single-Crystal Nanocubes and Nanospheres of Silver. Journal of Physical Chemistry A, 2009, 113, 3932-3939.	1.1	125
260	A Sinterâ€Resistant Catalytic System Based on Platinum Nanoparticles Supported on TiO₂ Nanofibers and Covered by Porous Silica. Angewandte Chemie - International Edition, 2010, 49, 8165-8168.	7.2	125
261	Facile Synthesis of Tadpole-like Nanostructures Consisting of Au Heads and Pd Tails. Journal of the American Chemical Society, 2007, 129, 15452-15453.	6.6	124
262	Etching and Dimerization: A Simple and Versatile Route to Dimers of Silver Nanospheres with a Range of Sizes. Angewandte Chemie - International Edition, 2010, 49, 164-168.	7.2	123
263	Ru Octahedral Nanocrystals with a Face-Centered Cubic Structure, {111} Facets, Thermal Stability up to 400 Â°C, and Enhanced Catalytic Activity. Journal of the American Chemical Society, 2019, 141, 7028-7036.	6.6	122
264	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C₂₊ Products in CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 1909-1915.	7.2	122
265	A Facile, Water-Based Synthesis of Highly Branched Nanostructures of Silver. Langmuir, 2008, 24, 12042-12046.	1.6	121
266	A Highly Reactive and Sinterâ€Resistant Catalytic System Based on Platinum Nanoparticles Embedded in the Inner Surfaces of CeO₂ Hollow Fibers. Angewandte Chemie - International Edition, 2012, 51, 9543-9546.	7.2	121
267	Measuring the Optical Absorption Cross Sections of Auâ^'Ag Nanocages and Au Nanorods by Photoacoustic Imaging. Journal of Physical Chemistry C, 2009, 113, 9023-9028.	1.5	120
268	Twinâ€Induced Growth of Palladiumâ€“Platinum Alloy Nanocrystals. Angewandte Chemie - International Edition, 2009, 48, 6304-6308.	7.2	119
269	Buckling down for flexible electronics. Nature Nanotechnology, 2006, 1, 163-164.	15.6	118
270	Fabrication of Microbeads with a Controllable Hollow Interior and Porous Wall Using a Capillary Fluidic Device. Advanced Functional Materials, 2009, 19, 2943-2949.	7.8	118

#	Article	IF	Citations
271	Nanocrystalâ€Based Timeâ€“Temperature Indicators. Chemistry - A European Journal, 2010, 16, 12559-12563.	1.7	118
272	Nerve Guidance Conduits from Aligned Nanofibers: Improvement of Nerve Regeneration through Longitudinal Nanogrooves on a Fiber Surface. ACS Applied Materials & Interfaces, 2015, 7, 7189-7196.	4.0	118
273	Crystal-phase and surface-structure engineering of ruthenium nanocrystals. Nature Reviews Materials, 2020, 5, 440-459.	23.3	118
274	Some recent developments in the chemical synthesis of inorganic nanotubes. Chemical Communications, 2005, , 5013.	2.2	117
275	Shape-Controlled Synthesis of Palladium Nanocrystals: A Mechanistic Understanding of the Evolution from Octahedrons to Tetrahedrons. Nano Letters, 2013, 13, 2276-2281.	4.5	117
276	Neovascularization in Biodegradable Inverse Opal Scaffolds with Uniform and Precisely Controlled Pore Sizes. Advanced Healthcare Materials, 2013, 2, 145-154.	3.9	117
277	Nanocrystals Composed of Alternating Shells of Pd and Pt Can Be Obtained by Sequentially Adding Different Precursors. Journal of the American Chemical Society, 2011, 133, 10422-10425.	6.6	115
278	Catalysis on faceted noble-metal nanocrystals: both shape and size matter. Current Opinion in Chemical Engineering, 2013, 2, 142-150.	3.8	115
279	Shapeâ€Controlled Synthesis of Colloidal Metal Nanocrystals by Replicating the Surface Atomic Structure on the Seed. Advanced Materials, 2018, 30, e1706312.	11.1	114
280	Continuous and Scalable Production of Well-Controlled Noble-Metal Nanocrystals in Milliliter-Sized Droplet Reactors. Nano Letters, 2014, 14, 6626-6631.	4.5	113
281	A Liposomal System Capable of Generating CO₂ Bubbles to Induce Transient Cavitation, Lysosomal Rupturing, and Cell Necrosis. Angewandte Chemie - International Edition, 2012, 51, 10089-10093.	7.2	112
282	Direct fabrication of enzyme-carrying polymer nanofibers by electrospinning. Journal of Materials Chemistry, 2005, 15, 3241.	6.7	111
283	Shape-controlled synthesis of metal nanocrystals. MRS Bulletin, 2013, 38, 335-344.	1.7	111
284	A Comprehensive Study of Formic Acid Oxidation on Palladium Nanocrystals with Different Types of Facets and Twin Defects. ChemCatChem, 2015, 7, 2077-2084.	1.8	111
285	Quantitative Analysis of the Reduction Kinetics Responsible for the One-Pot Synthesis of Pdâ€“Pt Bimetallic Nanocrystals with Different Structures. Journal of the American Chemical Society, 2016, 138, 12263-12270.	6.6	111
286	Photonic Crystals with Thermally Switchable Stop Bands Fabricated from Se@Ag2Se Spherical Colloids. Angewandte Chemie - International Edition, 2005, 44, 3099-3103.	7.2	110
287	Electrocatalytic Properties of Pt Nanowires Supported on Pt and W Gauzes. ACS Nano, 2008, 2, 2167-2173.	7.3	110
288	Synthesis and Characterization of Ru Cubic Nanocages with a Face-Centered Cubic Structure by Templating with Pd Nanocubes. Nano Letters, 2016, 16, 5310-5317.	4.5	110

#	Article	IF	Citations
289	Synthesis and characterization of fivefold twinned nanorods and right bipyramids of palladium. Chemical Physics Letters, 2007, 440, 273-278.	1.2	109
290	Probing the surface-enhanced Raman scattering properties of Auâ€“Ag nanocages at two different excitation wavelengths. Physical Chemistry Chemical Physics, 2009, 11, 5903.	1.3	108
291	Transformation of Pd Nanocubes into Octahedra with Controlled Sizes by Maneuvering the Rates of Etching and Regrowth. Journal of the American Chemical Society, 2013, 135, 11752-11755.	6.6	108
292	Chemical transformation: a powerful route to metal chalcogenide nanowires. Journal of Materials Chemistry, 2006, 16, 3893.	6.7	107
293	Pentaâ€Twinned Copper Nanorods: Facile Synthesis via Seedâ€Mediated Growth and Their Tunable Plasmonic Properties. Advanced Functional Materials, 2016, 26, 1209-1216.	7.8	107
294	Enhancing the Stiffness of Electrospun Nanofiber Scaffolds with a Controlled Surface Coating and Mineralization. Langmuir, 2011, 27, 9088-9093.	1.6	104
295	Scaling up the Production of Colloidal Nanocrystals: Should We Increase or Decrease the Reaction Volume?. Advanced Materials, 2014, 26, 2600-2606.	11.1	104
296	Pushing Nanocrystal Synthesis toward Nanomanufacturing. ACS Nano, 2009, 3, 10-15.	7.3	103
297	Soft Lithographic Approach to the Fabrication of Highly Ordered 2D Arrays of Magnetic Nanoparticles on the Surfaces of Silicon Substrates. Langmuir, 2000, 16, 10369-10375.	1.6	102
298	Selective Sulfuration at the Corner Sites of a Silver Nanocrystal and Its Use in Stabilization of the Shape. Nano Letters, 2011, 11, 3010-3015.	4.5	102
299	Encapsulation of a Phaseâ€Change Material in Nanocapsules with a Wellâ€Defined Hole in the Wall for the Controlled Release of Drugs. Angewandte Chemie - International Edition, 2019, 58, 10606-10611.	7.2	102
300	A Sinter-Resistant Catalytic System Fabricated by Maneuvering the Selectivity of SiO₂ Deposition onto the TiO₂ Surface versus the Pt Nanoparticle Surface. Nano Letters, 2013, 13, 4957-4962.	4.5	101
301	Surface-enhanced Raman scattering of 4-mercaptopyridine on thin films of nanoscale Pd cubes, boxes, and cages. Chemical Physics Letters, 2006, 417, 230-234.	1.2	100
302	Gold nanocages as contrast agents for photoacoustic imaging. Contrast Media and Molecular Imaging, 2011, 6, 370-377.	0.4	100
303	Toward the Synthesis of Sub-15 nm Ag Nanocubes with Sharp Corners and Edges: The Roles of Heterogeneous Nucleation and Surface Capping. Journal of the American Chemical Society, 2016, 138, 3161-3167.	6.6	100
304	Ptâ€Irâ€Pd Trimetallic Nanocages as a Dual Catalyst for Efficient Oxygen Reduction and Evolution Reactions in Acidic Media. Advanced Energy Materials, 2020, 10, 1904114.	10.2	100
305	Hierarchically micro-patterned nanofibrous scaffolds with a nanosized bio-glass surface for accelerating wound healing. Nanoscale, 2015, 7, 18446-18452.	2.8	99
306	Introduction: Heterogeneous Single-Atom Catalysis. Chemical Reviews, 2020, 120, 11699-11702.	23.0	99

#	Article	IF	Citations
307	New insights into the growth mechanism and surface structure of palladium nanocrystals. Nano Research, 2010, 3, 180-188.	5.8	98
308	Surface patterning and its application in wetting/dewetting studies. Current Opinion in Colloid and Interface Science, 2001, 6, 54-64.	3.4	97
309	Direct Oxidation of Methanol on Pt Nanostructures Supported on Electrospun Nanofibers of Anatase. Journal of Physical Chemistry C, 2008, 112, 9970-9975.	1.5	97
310	Facile Synthesis of Fiveâ€fold Twinned, Starfishâ€like Rhodium Nanocrystals by Eliminating Oxidative Etching with a Chlorideâ€Free Precursor. Angewandte Chemie - International Edition, 2010, 49, 5296-5300.	7.2	97
311	Microcontact printing with a cylindrical rolling stamp: A practical step toward automatic manufacturing of patterns with submicrometer-sized features. Advanced Materials, 1996, 8, 1015-1017.	11.1	96
312	Shape-Controlled Metal Nanocrystals for Heterogeneous Catalysis. Annual Review of Chemical and Biomolecular Engineering, 2016, 7, 327-348.	3.3	96
313	⁶⁴Cu-Doped PdCu@Au Tripods: A Multifunctional Nanomaterial for Positron Emission Tomography and Image-Guided Photothermal Cancer Treatment. ACS Nano, 2016, 10, 3121-3131.	7.3	96
314	Growth of Large Crystals of Monodispersed Spherical Colloids in Fluidic Cells Fabricated Using Non-photolithographic Methods. Langmuir, 2001, 17, 6344-6350.	1.6	95
315	Facile Synthesis of Gold Wavy Nanowires and Investigation of Their Growth Mechanism. Journal of the American Chemical Society, 2012, 134, 20234-20237.	6.6	95
316	Polyol Syntheses of Palladium Decahedra and Icosahedra as Pure Samples by Maneuvering the Reaction Kinetics with Additives. ACS Nano, 2014, 8, 7041-7050.	7.3	95
317	Lithographic molding: A convenient route to structures with sub-micrometer dimensions. Advanced Materials, 1995, 7, 649-652.	11.1	93
318	Generation of Electrospun Nanofibers with Controllable Degrees of Crimping Through a Simple, Plasticizerâ€Based Treatment. Advanced Materials, 2015, 27, 2583-2588.	11.1	93
319	Controlled Etching as a Route to High Quality Silver Nanospheres for Optical Studies. Journal of Physical Chemistry C, 2009, 113, 16975-16982.	1.5	92
320	Labeling Human Mesenchymal Stem Cells with Gold Nanocages for in vitro and in vivo Tracking by Two-Photon Microscopy and Photoacoustic Microscopy. Theranostics, 2013, 3, 532-543.	4.6	92
321	Decahedral nanocrystals of noble metals: Synthesis, characterization, and applications. Materials Today, 2019, 22, 108-131.	8.3	92
322	Morphological Evolution of Single-Crystal Ag Nanospheres during the Galvanic Replacement Reaction with HAuCl₄. Journal of Physical Chemistry C, 2008, 112, 7872-7876.	1.5	91
323	Coaxial electrospinning of microfibres with liquid crystal in the core. Chemical Communications, 2008, , 5420.	2.2	91
324	Preparation of Uniform Microspheres Using a Simple Fluidic Device and Their Crystallization into Closeâ€Packed Lattices. Small, 2009, 5, 454-459.	5.2	91

#	Article	IF	Citations
325	Functionalization of electrospun ceramic nanofibre membranes with noble-metal nanostructures for catalytic applications. Journal of Materials Chemistry, 2009, 19, 3878.	6.7	91
326	Cubic to Tetragonal Phase Transformation in Cold-Compressed Pd Nanocubes. Nano Letters, 2008, 8, 972-975.	4.5	89
327	Microscale Polymer Bottles Corked with a Phaseâ€Change Material for Temperatureâ€Controlled Release. Angewandte Chemie - International Edition, 2013, 52, 10468-10471.	7.2	89
328	Iridiumâ€Based Cubic Nanocages with 1.1â€nmâ€Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. Angewandte Chemie - International Edition, 2019, 58, 7244-7248.	7.2	89
329	Use of Electroless Silver as the Substrate in Microcontact Printing of Alkanethiols and Its Application in Microfabrication. Langmuir, 1998, 14, 363-371.	1.6	88
330	Facile Synthesis of Ag Nanorods with No Plasmon Resonance Peak in the Visible Region by Using Pd Decahedra of 16 nm in Size as Seeds. ACS Nano, 2015, 9, 10523-10532.	7.3	88
331	Monodispersed Spherical Colloids of Se@CdSe:Â Synthesis and Use as Building Blocks in Fabricating Photonic Crystals. Nano Letters, 2005, 5, 937-942.	4.5	87
332	Optical Properties of Auâ^'Ag Nanoboxes Studied by Single Nanoparticle Spectroscopyâ€. Journal of Physical Chemistry B, 2006, 110, 19923-19928.	1.2	87
333	Surface Plasmon Resonance in Bimetallic Coreâ€“Shell Nanoparticles. Journal of Physical Chemistry C, 2015, 119, 16836-16845.	1.5	87
334	Toward a Quantitative Understanding of the Reduction Pathways of a Salt Precursor in the Synthesis of Metal Nanocrystals. Nano Letters, 2017, 17, 334-340.	4.5	87
335	Encapsulation of a Phaseâ€Change Material in Nanocapsules with a Wellâ€Defined Hole in the Wall for the Controlled Release of Drugs. Angewandte Chemie, 2019, 131, 10716-10721.	1.6	87
336	Production of Ag Nanocubes on a Scale of 0.1 g per Batch by Protecting the NaHS-Mediated Polyol Synthesis with Argon. ACS Applied Materials & Interfaces, 2009, 1, 2044-2048.	4.0	86
337	A Mechanistic Study on the Formation of Silver Nanoplates in the Presence of Silver Seeds and Citric Acid or Citrate Ions. Chemistry - an Asian Journal, 2011, 6, 376-379.	1.7	86
338	Synthesis of Ptâ€“Ni Octahedra in Continuous-Flow Droplet Reactors for the Scalable Production of Highly Active Catalysts toward Oxygen Reduction. Nano Letters, 2016, 16, 3850-3857.	4.5	86
339	Nanometer scale patterning and pattern transfer on amorphous Si, crystalline Si, and SiO2 surfaces using self-assembled monolayers. Applied Physics Letters, 1997, 70, 1593-1595.	1.5	84
340	Synthesis of Gold Nanoâ€hexapods with Controllable Arm Lengths and Their Tunable Optical Properties. Angewandte Chemie - International Edition, 2011, 50, 6328-6331.	7.2	84
341	Controlling the Size and Morphology of Au@Pd Coreâ€“Shell Nanocrystals by Manipulating the Kinetics of Seeded Growth. Chemistry - A European Journal, 2012, 18, 8150-8156.	1.7	84
342	Shape-controlled syntheses of rhodium nanocrystals for the enhancement of their catalytic properties. Nano Research, 2015, 8, 82-96.	5.8	84

#	Article	IF	Citations
343	Symmetry breaking during nanocrystal growth. Chemical Communications, 2017, 53, 4530-4541.	2.2	84
344	Symmetry Breaking during Seeded Growth of Nanocrystals. Nano Letters, 2012, 12, 6038-6042.	4.5	83
345	Icosahedral nanocrystals of noble metals: Synthesis and applications. Nano Today, 2017, 15, 121-144.	6.2	83
346	Hollow Metal Nanocrystals with Ultrathin, Porous Walls and Wellâ€Controlled Surface Structures. Advanced Materials, 2018, 30, e1801956.	11.1	83
347	Integration of Phaseâ€Change Materials with Electrospun Fibers for Promoting Neurite Outgrowth under Controlled Release. Advanced Functional Materials, 2018, 28, 1705563.	7.8	82
348	Design and Fabrication of a Hierarchically Structured Scaffold for Tendonâ€toâ€Bone Repair. Advanced Materials, 2018, 30, e1707306.	11.1	82
349	Electrospinning of polycrystalline barium titanate nanofibers with controllable morphology and alignment. Chemical Physics Letters, 2006, 424, 162-166.	1.2	81
350	Microscale Fish Bowls:â€‰ A New Class of Latex Particles with Hollow Interiors and Engineered Porous Structures in Their Surfaces. Langmuir, 2007, 23, 10968-10975.	1.6	81
351	Toward Cost-Effective and Sustainable Use of Precious Metals in Heterogeneous Catalysts. Accounts of Chemical Research, 2017, 50, 450-454.	7.6	81
352	Replacement of Poly(vinyl pyrrolidone) by Thiols: A Systematic Study of Ag Nanocube Functionalization by Surface-Enhanced Raman Scattering. Journal of Physical Chemistry C, 2011, 115, 21852-21857.	1.5	79
353	Combination cancer treatment through photothermally controlled release of selenous acid from gold nanocages. Biomaterials, 2018, 178, 517-526.	5.7	79
354	Facile Synthesis of Ultrathin Au Nanorods by Aging the AuCl(oleylamine) Complex with Amorphous Fe Nanoparticles in Chloroform. Nano Letters, 2008, 8, 3052-3055.	4.5	78
355	Etching and Growth: An Intertwined Pathway to Silver Nanocrystals with Exotic Shapes. Angewandte Chemie - International Edition, 2009, 48, 4824-4827.	7.2	78
356	Three-dimensional polycaprolactone scaffold via needleless electrospinning promotes cell proliferation and infiltration. Colloids and Surfaces B: Biointerfaces, 2014, 121, 432-443.	2.5	78
357	Facile Synthesis of Branched Au Nanostructures by Templating Against a Selfâ€Destructive Lattice of Magnetic Fe Nanoparticles. Angewandte Chemie - International Edition, 2008, 47, 9653-9656.	7.2	77
358	Dropletâ€Based Microreactors for Continuous Production of Palladium Nanocrystals with Controlled Sizes and Shapes. Small, 2013, 9, 3462-3467.	5.2	77
359	Synthesis of CaO₂ Nanocrystals and Their Spherical Aggregates with Uniform Sizes for Use as a Biodegradable Bacteriostatic Agent. Small, 2019, 15, e1902118.	5.2	77
360	Kinetically Controlled Synthesis of Pdâ€“Cu Janus Nanocrystals with Enriched Surface Structures and Enhanced Catalytic Activities toward CO₂ Reduction. Journal of the American Chemical Society, 2021, 143, 149-162.	6.6	77

#	Article	IF	Citations
361	Colloidal Hollow Spheres of Conducting Polymers with Smooth Surface and Uniform, Controllable Sizes. Small, 2009, 5, 1747-1752.	5.2	76
362	In VivoEvaluation of Adipose-Derived Stromal Cells Delivered with a Nanofiber Scaffold for Tendon-to-Bone Repair. Tissue Engineering - Part A, 2015, 21, 2766-2774.	1.6	76
363	Photochemical Deposition of Highly Dispersed Pt Nanoparticles on Porous CeO₂ Nanofibers for the Waterâ€Gas Shift Reaction. Advanced Functional Materials, 2015, 25, 4153-4162.	7.8	75
364	Reduction rate as a quantitative knob for achieving deterministic synthesis of colloidal metal nanocrystals. Chemical Science, 2017, 8, 6730-6749.	3.7	75
365	Reduction in the size of features of patterned SAMs generated by microcontact printing with mechanical compression of the stamp. Advanced Materials, 1995, 7, 471-473.	11.1	74
366	Pt Nanoparticles Surfactant-Directed Assembled into Colloidal Spheres and used as Substrates in Forming Pt Nanorods and Nanowires. Small, 2006, 2, 1340-1343.	5.2	74
367	Robust Synthesis of Gold Cubic Nanoframes through a Combination of Galvanic Replacement, Gold Deposition, and Silver Dealloying. Small, 2013, 9, 3111-3117.	5.2	74
368	Cell alignment induced by anisotropic electrospun fibrous scaffolds alone has limited effect on cardiomyocyte maturation. Stem Cell Research, 2016, 16, 740-750.	0.3	74
369	Correlated Rayleigh Scattering Spectroscopy and Scanning Electron Microscopy Studies of Auâ^'Ag Bimetallic Nanoboxes and Nanocages. Journal of Physical Chemistry C, 2007, 111, 12558-12565.	1.5	73
370	Synthesis of Ag Nanobars in the Presence of Single-Crystal Seeds and a Bromide Compound, and Their Surface-Enhanced Raman Scattering (SERS) Properties. Langmuir, 2012, 28, 9047-9054.	1.6	73
371	Confining the Nucleation and Overgrowth of Rh to the {111} Facets of Pd Nanocrystal Seeds: The Roles of Capping Agent and Surface Diffusion. Journal of the American Chemical Society, 2013, 135, 16658-16667.	6.6	73
372	Enhancing the Mechanical Properties of Electrospun Nanofiber Mats through Controllable Welding at the Cross Points. Macromolecular Rapid Communications, 2017, 38, 1600723.	2.0	73
373	Time-resolved spectroscopy of silver nanocubes: Observation and assignment of coherently excited vibrational modes. Journal of Chemical Physics, 2007, 126, 094709.	1.2	72
374	Seedâ€Mediated Synthesis of Singleâ€Crystal Gold Nanospheres with Controlled Diameters in the Range 5â€“30â€…nm and their Selfâ€Assembly upon Dilution. Chemistry - an Asian Journal, 2013, 8, 792-799.	1.7	72
375	Controlling the Size and Composition of Nanosized Ptâ€“Ni Octahedra to Optimize Their Catalytic Activities toward the Oxygen Reduction Reaction. ChemSusChem, 2014, 7, 1476-1483.	3.6	72
376	In Vitro Mineralization by Preosteoblasts in Poly(<scp>dl</scp>-lactide-co-glycolide) Inverse Opal Scaffolds Reinforced with Hydroxyapatite Nanoparticles. Langmuir, 2010, 26, 12126-12131.	1.6	71
377	Epitaxial overgrowth of platinum on palladium nanocrystals. Nanoscale, 2010, 2, 2406.	2.8	70
378	An Anisotropically and Heterogeneously Aligned Patterned Electrospun Scaffold with Tailored Mechanical Property and Improved Bioactivity for Vascular Tissue Engineering. ACS Applied Materials & Interfaces, 2015, 7, 8706-8718.	4.0	70

#	Article	IF	Citations
379	One-Pot Synthesis of Penta-twinned Palladium Nanowires and Their Enhanced Electrocatalytic Properties. ACS Applied Materials & Interfaces, 2017, 9, 31203-31212.	4.0	70
380	Using SV119â€Gold Nanocage Conjugates to Eradicate Cancer Stem Cells Through a Combination of Photothermal and Chemo Therapies. Advanced Healthcare Materials, 2014, 3, 1283-1291.	3.9	69
381	Putting gold nanocages to work for optical imaging, controlled release and cancer theranostics. Nanomedicine, 2016, 11, 1715-1728.	1.7	69
382	Synthesis and characterization of magnetic Co nanoparticles: A comparison study of three different capping surfactants. Journal of Solid State Chemistry, 2008, 181, 1530-1538.	1.4	68
383	Plasmonic Near-Electric Field Enhancement Effects in Ultrafast Photoelectron Emission: Correlated Spatial and Laser Polarization Microscopy Studies of Individual Ag Nanocubes. Nano Letters, 2012, 12, 4823-4829.	4.5	68
384	Catalytic System Based on Sub-2 nm Pt Particles and Its Extraordinary Activity and Durability for Oxygen Reduction. Nano Letters, 2019, 19, 4997-5002.	4.5	68
385	Carbon Nanotubes by Electrospinning with a Polyelectrolyte and Vapor Deposition Polymerization. Nano Letters, 2007, 7, 2470-2474.	4.5	67
386	Measuring the surface-enhanced Raman scattering enhancement factors of hot spots formed between an individual Ag nanowire and a single Ag nanocube. Nanotechnology, 2009, 20, 434020.	1.3	67
387	Seedâ€Mediated Synthesis of Truncated Gold Decahedrons with a AuCl/Oleylamine Complex as Precursor. Advanced Materials, 2010, 22, 1930-1934.	11.1	66
388	Synthesis of Rhodium Concave Tetrahedrons by Collectively Manipulating the Reduction Kinetics, Facet-Selective Capping, and Surface Diffusion. Nano Letters, 2013, 13, 6262-6268.	4.5	66
389	Synthesis of Ru Icosahedral Nanocages with a Face-Centered-Cubic Structure and Evaluation of Their Catalytic Properties. ACS Catalysis, 2018, 8, 6948-6960.	5.5	66
390	Synthesis of Gold Microplates Using Bovine Serum Albumin as a Reductant and a Stabilizer. Chemistry - an Asian Journal, 2010, 5, 123-129.	1.7	65
391	Facile Synthesis and Characterization of Pd@Ir_{nL} (n = 1â€“4) Coreâ€“Shell Nanocubes for Highly Efficient Oxygen Evolution in Acidic Media. Chemistry of Materials, 2019, 31, 5867-5875.	3.2	65
392	An enzyme-sensitive probe for photoacoustic imaging and fluorescence detection of protease activity. Nanoscale, 2011, 3, 950.	2.8	64
393	Differentiation of Bone Marrow Stem Cells into Schwann Cells for the Promotion of Neurite Outgrowth on Electrospun Fibers. ACS Applied Materials & Interfaces, 2017, 9, 12299-12310.	4.0	64
394	Keimvermitteltes Wachstum kolloidaler Metallnanokristalle. Angewandte Chemie, 2017, 129, 60-98.	1.6	64
395	Autocatalytic surface reduction and its role in controlling seed-mediated growth of colloidal metal nanocrystals. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 13619-13624.	3.3	64
396	Rational design and synthesis of noble-metal nanoframes for catalytic and photonic applications. National Science Review, 2016, 3, 520-533.	4.6	63

#	Article	IF	Citations
397	Electrospinning of nanofibres with parallel line surface texture for improvement of nerve cell growth. Soft Matter, 2011, 7, 10812.	1.2	62
398	Facile Synthesis of Gold Nanorice Enclosed by Highâ€Index Facets and Its Application for CO Oxidation. Small, 2011, 7, 2307-2312.	5.2	62
399	Synthesis and Characterization of Pd@M_xCu_{1â^'x} (M=Au, Pd, and) Tj ETQq1 1 0.784314 rgBT /O Reactions. Chemistry - A European Journal, 2012, 18, 14974-14980.	1.7	62
400	Not just a pretty flower. Nature Nanotechnology, 2012, 7, 415-416.	15.6	62
401	Controlled Synthesis of Nanosized Palladium icosahedra and Their Catalytic Activity towards Formicâ€Acid Oxidation. ChemSusChem, 2013, 6, 1923-1930.	3.6	62
402	Synthesis of Colloidal Metal Nanocrystals in Droplet Reactors: The Pros and Cons of Interfacial Adsorption. Nano Letters, 2014, 14, 4189-4194.	4.5	62
403	Single Crystalline Nanowires of Lead:Â Large-Scale Synthesis, Mechanistic Studies, and Transport Measurementsâ€. Journal of Physical Chemistry B, 2004, 108, 8631-8640.	1.2	59
404	Report from the third workshop on future directions of solid-state chemistry: The status of solid-state chemistry and its impact in the physical sciences. Progress in Solid State Chemistry, 2008, 36, 1-133.	3.9	58
405	Thiol-Induced Assembly of Au Nanoparticles into Chainlike Structures and Their Fixing by Encapsulation in Silica Shells or Gelatin Microspheres. Langmuir, 2010, 26, 10005-10012.	1.6	58
406	Inverse opal scaffolds for applications in regenerative medicine. Soft Matter, 2013, 9, 9747.	1.2	58
407	Gold nanocages as multifunctional materials for nanomedicine. Frontiers of Physics, 2014, 9, 378-384.	2.4	58
408	Gold Nanoparticles Doped with ¹⁹⁹Au Atoms and Their Use for Targeted Cancer Imaging by SPECT. Advanced Healthcare Materials, 2016, 5, 928-935.	3.9	58
409	Synthesis of Pt nanocrystals with different shapes using the same protocol to optimize their catalytic activity toward oxygen reduction. Materials Today, 2018, 21, 834-844.	8.3	58
410	Nanofabrication at High Throughput and Low Cost. ACS Nano, 2010, 4, 3554-3559.	7.3	57
411	Fabrication of single-mode polymeric waveguides using micromolding in capillaries. Advanced Materials, 1996, 8, 420-424.	11.1	56
412	Three-Dimensional Objects Consisting of Hierarchically Assembled Nanofibers with Controlled Alignments for Regenerative Medicine. Nano Letters, 2019, 19, 2059-2065.	4.5	56
413	Single Crystalline Nanowires of Lead Can Be Synthesized through Thermal Decomposition of Lead Acetate in Ethylene Glycol. Nano Letters, 2003, 3, 1163-1166.	4.5	55
414	Facile Synthesis of Ru-Based Octahedral Nanocages with Ultrathin Walls in a Face-Centered Cubic Structure. Chemistry of Materials, 2017, 29, 9227-9237.	3.2	55

#	Article	IF	Citations
415	Bimetallic Janus Nanocrystals: Syntheses and Applications. Advanced Materials, 2022, 34, e2102591.	11.1	55
416	The Science and Art of Carving Metal Nanocrystals. ACS Nano, 2017, 11, 23-27.	7.3	54
417	Incorporation of gold nanocages into electrospun nanofibers for efficient water evaporation through photothermal heating. Materials Today Energy, 2019, 12, 129-135.	2.5	54
418	A Simple Spectroscopic Method for Differentiating Cellular Uptakes of Gold Nanospheres and Nanorods from Their Mixtures. Angewandte Chemie - International Edition, 2010, 49, 1976-1980.	7.2	53
419	Strong and tough mineralized PLGA nanofibers for tendon-to-bone scaffolds. Acta Biomaterialia, 2013, 9, 9442-9450.	4.1	53
420	Toward a Quantitative Understanding of Symmetry Reduction Involved in the Seed-Mediated Growth of Pd Nanocrystals. Journal of the American Chemical Society, 2015, 137, 6643-6652.	6.6	53
421	Understanding the Thermal Stability of Palladiumâ€“Platinum Coreâ€“Shell Nanocrystals by In Situ Transmission Electron Microscopy and Density Functional Theory. ACS Nano, 2017, 11, 4571-4581.	7.3	53
422	Enabling Complete Ligand Exchange on the Surface of Gold Nanocrystals through the Deposition and Then Etching of Silver. Journal of the American Chemical Society, 2018, 140, 11898-11901.	6.6	53
423	Facile Strategy for Fabrication of Flexible, Breathable, and Washable Piezoelectric Sensors via Welding of Nanofibers with Multiwalled Carbon Nanotubes (MWCNTs). ACS Applied Materials & Interfaces, 2019, 11, 38023-38030.	4.0	52
424	General Approach to the Synthesis of Heterodimers of Metal Nanoparticles through Site-Selected Protection and Growth. Nano Letters, 2019, 19, 6703-6708.	4.5	51
425	Vibrational Response of Auâ^'Ag Nanoboxes and Nanocages to Ultrafast Laser-Induced Heating. Nano Letters, 2007, 7, 1059-1063.	4.5	50
426	Synthesis of small silver nanocubes in a hydrophobic solvent by introducing oxidative etching with Fe(iii) species. Journal of Materials Chemistry, 2010, 20, 3586.	6.7	50
427	Nerve conduits constructed by electrospun P(LLA-CL) nanofibers and PLLA nanofiber yarns. Journal of Materials Chemistry B, 2015, 3, 8823-8831.	2.9	50
428	Facile synthesis of Ag@Au coreâ€“sheath nanowires with greatly improved stability against oxidation. Chemical Communications, 2017, 53, 1965-1968.	2.2	50
429	Facile Synthesis of Gold Icosahedra in an Aqueous Solution by Reacting HAuCl₄ with Nâ€Vinyl Pyrrolidone. Chemistry - A European Journal, 2009, 15, 13181-13187.	1.7	49
430	AuI: an alternative and potentially better precursor than AuIII for the synthesis of Au nanostructures. Journal of Materials Chemistry, 2010, 20, 2290.	6.7	49
431	Platinum Cubic Nanoframes with Enhanced Catalytic Activity and Durability Toward Oxygen Reduction. ChemSusChem, 2016, 9, 2855-2861.	3.6	49
432	Maneuvering the Migration and Differentiation of Stem Cells with Electrospun Nanofibers. Advanced Science, 2020, 7, 2000735.	5.6	49

#	Article	IF	Citations
433	Edge-Spreading Lithography:Â Use of Patterned Photoresist Structures to Direct the Spreading of Alkanethiols on Gold. Nano Letters, 2005, 5, 31-36.	4.5	48
434	Seed-Mediated Synthesis of Silver Nanocrystals with Controlled Sizes and Shapes in Droplet Microreactors Separated by Air. Langmuir, 2013, 29, 15719-15725.	1.6	48
435	A Droplet-Reactor System Capable of Automation for the Continuous and Scalable Production of Noble-Metal Nanocrystals. Nano Letters, 2018, 18, 3879-3884.	4.5	48
436	Grooved Fibers: Preparation Principles Through Electrospinning and Potential Applications. Advanced Fiber Materials, 2022, 4, 203-213.	7.9	48
437	Amorphous Se:â€‰ A New Platform for Synthesizing Superparamagnetic Colloids with Controllable Surfaces. Journal of the American Chemical Society, 2005, 127, 1098-1099.	6.6	47
438	Metalâ^'Polymer Hybrid Colloidal Particles with an Eccentric Structure. Langmuir, 2009, 25, 13880-13887.	1.6	47
439	Ruthenium Nanoframes in the Face-Centered Cubic Phase: Facile Synthesis and Their Enhanced Catalytic Performance. ACS Nano, 2019, 13, 7241-7251.	7.3	47
440	Swarming towards the target. Nature Materials, 2011, 10, 482-483.	13.3	46
441	Gold nanocages for effective photothermal conversion and related applications. Chemical Science, 2020, 11, 12955-12973.	3.7	46
442	Pdâ€Ru Alloy Nanocages with a Faceâ€Centered Cubic Structure and Their Enhanced Activity toward the Oxidation of Ethylene Glycol and Glycerol. Small Methods, 2020, 4, 1900843.	4.6	46
443	SV119-gold nanocage conjugates: a new platform for targeting cancer cellsvia sigma-2 receptors. Nanoscale, 2012, 4, 421-424.	2.8	45
444	Facet-controlled Ptâ€“Ir nanocrystals with substantially enhanced activity and durability towards oxygen reduction. Materials Today, 2020, 35, 69-77.	8.3	45
445	Seed-Mediated Growth of Au Nanospheres into Hexagonal Stars and the Emergence of a Hexagonal Close-Packed Phase. Nano Letters, 2019, 19, 3115-3121.	4.5	44
446	Synthesis, Transformation, and Utilization of Monodispersed Colloidal Spheres. Accounts of Chemical Research, 2019, 52, 3475-3487.	7.6	44
447	Maximizing the Catalytic Performance of Pd@Au_xPd_{1â^'x} Nanocubes in H₂O₂ Production by Reducing Shell Thickness to Increase Compositional Stability. Angewandte Chemie - International Edition, 2021, 60, 19643-19647.	7.2	44
448	Photolithography with transparent reflective photomasks. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 1998, 16, 98.	1.6	43
449	Thermal Stability of Metal Nanocrystals: An Investigation of the Surface and Bulk Reconstructions of Pd Concave Icosahedra. Nano Letters, 2017, 17, 3655-3661.	4.5	43
450	General Method for Generating Circular Gradients of Active Proteins on Nanofiber Scaffolds Sought for Wound Closure and Related Applications. ACS Applied Materials & Interfaces, 2018, 10, 8536-8545.	4.0	43

#	Article	IF	Citations
451	Promoting Cell Migration and Neurite Extension along Uniaxially Aligned Nanofibers with Biomacromolecular Particles in a Density Gradient. Advanced Functional Materials, 2020, 30, 2002031.	7.8	43
452	Facile synthesis of Pdâ€“Ir bimetallic octapods and nanocages through galvanic replacement and co-reduction, and their use for hydrazine decomposition. Physical Chemistry Chemical Physics, 2013, 15, 11822.	1.3	42
453	Biomimetics: reconstitution of low-density lipoprotein for targeted drug delivery and related theranostic applications. Chemical Society Reviews, 2017, 46, 7668-7682.	18.7	42
454	Perspective: Aligned arrays of electrospun nanofibers for directing cell migration. APL Materials, 2018, 6, .	2.2	42
455	Direct in Situ Observation and Analysis of the Formation of Palladium Nanocrystals with High-Index Facets. Nano Letters, 2018, 18, 7004-7013.	4.5	42
456	Solution-Phase Synthesis of PdH_{0.706} Nanocubes with Enhanced Stability and Activity toward Formic Acid Oxidation. Journal of the American Chemical Society, 2022, 144, 2556-2568.	6.6	42
457	Colloidal building blocks with potential for magnetically configurable photonic crystals. Soft Matter, 2007, 3, 1215.	1.2	41
458	Shape-controlled metal nanocrystals for catalytic applications. MRS Bulletin, 2014, 39, 727-737.	1.7	41
459	Facile One-Pot Synthesis of Pd@Pt_{1L} Octahedra with Enhanced Activity and Durability toward Oxygen Reduction. Chemistry of Materials, 2019, 31, 1370-1380.	3.2	41
460	Fine tuning the optical properties of Auâ€“Ag nanocages by selectively etching Ag with oxygen and a water-soluble thiol. Journal of Materials Chemistry, 2009, 19, 6317.	6.7	40
461	Functionalization of ZrO2 nanofibers with Pt nanostructures: The effect of surface roughness on nucleation mechanism and morphology control. Chemical Physics Letters, 2009, 476, 56-61.	1.2	39
462	Fabrication of Density Gradients of Biodegradable Polymer Microparticles and Their Use in Guiding Neurite Outgrowth. Advanced Functional Materials, 2010, 20, 1632-1637.	7.8	39
463	Nanofiber Membranes with Controllable Microwells and Structural Cues and Their Use in Forming Cell Microarrays and Neuronal Networks. Small, 2011, 7, 293-297.	5.2	39
464	Reconstitution of Lowâ€Density Lipoproteins with Fatty Acids for the Targeted Delivery of Drugs into Cancer Cells. Angewandte Chemie - International Edition, 2017, 56, 10399-10402.	7.2	39
465	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. Angewandte Chemie - International Edition, 2019, 58, 16416-16421.	7.2	39
466	Nearâ€Infraredâ€Triggered Release of Ca²⁺ Ions for Potential Application in Combination Cancer Therapy. Advanced Healthcare Materials, 2019, 8, e1801113.	3.9	39
467	Galvanic replacement reaction: A simple and powerful route to hollow and porous metal nanostructures. Proceedings of the Institution of Mechanical Engineers, Part N: Journal of Nanoengineering and Nanosystems, 2007, 221, 1-16.	0.1	37
468	Engraving the Surface of Electrospun Microfibers with Nanoscale Grooves Promotes the Outgrowth of Neurites and the Migration of Schwann Cells. Angewandte Chemie - International Edition, 2020, 59, 15626-15632.	7.2	37

#	Article	IF	Citations
469	Aqueousâ€Phase Synthesis of Singleâ€Crystal Pd Seeds 3â€...nm in Diameter and Their Use for the Growth of Pd Nanocrystals with Different Shapes. Chemistry - A European Journal, 2013, 19, 5127-5133.	1.7	36
470	Multiple facets for extracellular matrix mimicking in regenerative medicine. Nanomedicine, 2015, 10, 689-692.	1.7	36
471	Twin-Directed Deposition of Pt on Pd Icosahedral Nanocrystals for Catalysts with Enhanced Activity and Durability toward Oxygen Reduction. Nano Letters, 2021, 21, 2248-2254.	4.5	36
472	Formation of patterned microstructures of polycrystalline ceramics from precursor polymers using micromolding in capillaries. Journal of Materials Research, 1999, 14, 3995-4003.	1.2	35
473	Hierarchical nanostructures of K-birnessite nanoplates on anatase nanofibers and their application for decoloration of dye solution. Journal of Materials Chemistry, 2010, 20, 3157.	6.7	35
474	Coating Ptâ€“Ni Octahedra with Ultrathin Pt Shells to Enhance the Durability without Compromising the Activity toward Oxygen Reduction. ChemSusChem, 2016, 9, 2209-2215.	3.6	35
475	Augmenting Tendonâ€toâ€Bone Repair with Functionally Graded Scaffolds. Advanced Healthcare Materials, 2021, 10, e2002269.	3.9	34
476	Formation of Embryoid Bodies with Controlled Sizes and Maintained Pluripotency in Threeâ€Dimensional Inverse Opal Scaffolds. Advanced Functional Materials, 2012, 22, 121-129.	7.8	33
477	Enhanced shape stability of Pdâ€“Rh coreâ€“frame nanocubes at elevated temperature: in situ heating transmission electron microscopy. Chemical Communications, 2013, 49, 11806.	2.2	33
478	Killing cancer cells by rupturing their lysosomes. Nature Nanotechnology, 2020, 15, 252-253.	15.6	33
479	Moving Electrospun Nanofibers and Bioprinted Scaffolds toward Translational Applications. Advanced Healthcare Materials, 2020, 9, e1901761.	3.9	33
480	Janus Nanocages of Platinumâ€Group Metals and Their Use as Effective Dualâ€Electrocatalysts. Angewandte Chemie - International Edition, 2021, 60, 10384-10392.	7.2	33
481	Introduction: Advanced Materials and Methods for Catalysis and Electrocatalysis by Transition Metals. Chemical Reviews, 2021, 121, 563-566.	23.0	33
482	Onâ€Chip Screening of Experimental Conditions for the Synthesis of Nobleâ€Metal Nanostructures with Different Morphologies. Small, 2011, 7, 3308-3316.	5.2	32
483	Seedâ€Mediated Synthesis of Gold Octahedra in High Purity and with Wellâ€Controlled Sizes and Optical Properties. Chemistry - A European Journal, 2011, 17, 4759-4764.	1.7	32
484	Formation of Second-Generation Nanoclusters on Metal Nanoparticles Driven by Reactant Gases. Nano Letters, 2016, 16, 5001-5009.	4.5	32
485	Promoting the Outgrowth of Neurites on Electrospun Microfibers by Functionalization with Electrosprayed Microparticles of Fatty Acids. Angewandte Chemie - International Edition, 2019, 58, 3948-3951.	7.2	32
486	Quick formation of single-crystal nanocubes of silver through dual functions of hydrogen gas in polyol synthesis. Chemical Physics Letters, 2005, 411, 479-483.	1.2	31

#	Article	IF	Citations
487	Shaping a Bright Future for Platinumâ€Based Alloy Electrocatalysts. Angewandte Chemie - International Edition, 2010, 49, 9819-9820.	7.2	31
488	A Facile and General Method for the Encapsulation of Different Types of Imaging Contrast Agents Within Micrometerâ€Sized Polymer Beads. Advanced Functional Materials, 2012, 22, 764-770.	7.8	31
489	Nonâ€Invasive and Inâ€...Situ Characterization of the Degradation of Biomaterial Scaffolds by Volumetric Photoacoustic Microscopy. Angewandte Chemie - International Edition, 2014, 53, 184-188.	7.2	31
490	Electrospun Nanofiber-Based Patches for the Delivery of Cardiac Progenitor Cells. ACS Applied Materials & Interfaces, 2019, 11, 18242-18253.	4.0	31
491	Polydopamine Nanobottles with Photothermal Capability for Controlled Release and Related Applications. Advanced Materials, 2021, 33, e2104729.	11.1	31
492	Seed-mediated synthesis of Pdâ€“Rh bimetallic nanodendrites. Chemical Physics Letters, 2010, 494, 249-254.	1.2	30
493	Fiveâ€Fold Twinned Pd Nanorods and Their Use as Templates for the Synthesis of Bimetallic or Hollow Nanostructures. ChemNanoMat, 2015, 1, 246-252.	1.5	30
494	Inverse Opal Scaffolds with Gradations in Mineral Content for Spatial Control of Osteogenesis. Advanced Materials, 2018, 30, e1706706.	11.1	30
495	Electrospun Fiber Mesh for High-Resolution Measurements of Oxygen Tension in Cranial Bone Defect Repair. ACS Applied Materials & Interfaces, 2019, 11, 33548-33558.	4.0	30
496	Capturing electrified nanodroplets under Rayleigh instability by coupling electrospray with a solâ€“gel reaction. Chemical Physics Letters, 2007, 445, 271-275.	1.2	29
497	Seedâ€Mediated Synthesis of Gold Tetrahedra in High Purity and with Tunable, Wellâ€Controlled Sizes. Chemistry - an Asian Journal, 2014, 9, 2635-2640.	1.7	29
498	Continuous processing of phase-change materials into uniform nanoparticles for near-infrared-triggered drug release. Nanoscale, 2018, 10, 22312-22318.	2.8	29
499	Photothermal transformation of Auâ€“Ag nanocages under pulsed laser irradiation. Nanoscale, 2019, 11, 3013-3020.	2.8	29
500	Shadowed sputtering of gold on V -shaped microtrenches etched in silicon and applications in microfabrication. Advanced Materials, 1996, 8, 765-768.	11.1	28
501	Elastomeric light valves. Advanced Materials, 1997, 9, 407-410.	11.1	28
502	A Mechanistic Study on the Nucleation and Growth of Au on Pd Seeds with a Cubic or Octahedral Shape. ChemCatChem, 2012, 4, 1668-1674.	1.8	28
503	Seed-Mediated Synthesis of Pd Nanocrystals: The Effect of Surface Capping on the Heterogeneous Nucleation and Growth. Journal of Physical Chemistry C, 2016, 120, 11754-11761.	1.5	28
504	A Rationally Designed Route to the One-Pot Synthesis of Right Bipyramidal Nanocrystals of Copper. Chemistry of Materials, 2018, 30, 6469-6477.	3.2	28

#	Article	IF	Citations
505	Swellingâ€Induced Symmetry Breaking: A Versatile Approach to the Scalable Production of Colloidal Particles with a Janus Structure. Angewandte Chemie - International Edition, 2021, 60, 12980-12984.	7.2	28
506	Size Dependence of Cubic to Trigonal Structural Distortion in Silver Micro- and Nanocrystals under High Pressure. Journal of Physical Chemistry C, 2008, 112, 20135-20137.	1.5	27
507	Facile Synthesis of Bimetallic Ag/Ni Core/Sheath Nanowires and Their Magnetic and Electrical Properties. Small, 2010, 6, 1927-1934.	5.2	27
508	Site-selective growth of Ag nanocubes for sharpening their corners and edges, followed by elongation into nanobars through symmetry reduction. Journal of Materials Chemistry C, 2018, 6, 1384-1392.	2.7	27
509	Silane-Based Poly(ethylene glycol) as a Primer for Surface Modification of Nonhydrolytically Synthesized Nanoparticles Using the StÃ¶ber Method. Langmuir, 2008, 24, 11189-11195.	1.6	26
510	Aberration Corrected Electron Microscopy Study of Bimetallic Pdâ€“Pt Nanocrystal: Coreâ€“Shell Cubic and Coreâ€“Frame Concave Structures. Journal of Physical Chemistry C, 2014, 118, 28876-28882.	1.5	26
511	Controlling the Growth of Au on Icosahedral Seeds of Pd by Manipulating the Reduction Kinetics. Journal of Physical Chemistry C, 2016, 120, 20768-20774.	1.5	26
512	Facile Synthesis of Rhodium Icosahedra with Controlled Sizes up to 12â€…nm. ChemNanoMat, 2016, 2, 61-66.	1.5	26
513	Kinetically Controlled Synthesis of Rhodium Nanocrystals with Different Shapes and a Comparison Study of Their Thermal and Catalytic Properties. Journal of the American Chemical Society, 2021, 143, 6293-6302.	6.6	26
514	Novel Nanostructures of Rutile Fabricated by Templating against Yarns of Polystyrene Nanofibrils and Their Catalytic Applications. ACS Applied Materials & Interfaces, 2013, 5, 6391-6399.	4.0	25
515	Pentatwinned Cu Nanowires with Ultrathin Diameters below 20â€…nm and Their Use as Templates for the Synthesis of Auâ€Based Nanotubes. ChemNanoMat, 2017, 3, 190-195.	1.5	25
516	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. Angewandte Chemie - International Edition, 2020, 59, 19129-19135.	7.2	24
517	Bifunctional Janus Particles as Multivalent Synthetic Nanoparticle Antibodies (SNAbs) for Selective Depletion of Target Cells. Nano Letters, 2021, 21, 875-886.	4.5	24
518	Comparative Study of Monolayers Self-Assembled from Alkylisocyanides and Alkanethiols on Polycrystalline Pt Substrates. Langmuir, 2004, 20, 6993-6997.	1.6	23
519	Micropatterning of the Ferroelectric Phase in a Poly(vinylidene difluoride) Film by Plasmonic Heating with Gold Nanocages. Angewandte Chemie - International Edition, 2016, 55, 13828-13832.	7.2	23
520	Surgical Sutures with Porous Sheaths for the Sustained Release of Growth Factors. Advanced Materials, 2016, 28, 4620-4624.	11.1	23
521	A general strategy for generating gradients of bioactive proteins on electrospun nanofiber mats by masking with bovine serum albumin. Journal of Materials Chemistry B, 2017, 5, 5580-5587.	2.9	23
522	Physical Transformations of Noble-Metal Nanocrystals upon Thermal Activation. Accounts of Chemical Research, 2021, 54, 1-10.	7.6	23

#	Article	IF	Citations
523	Oxidative Etching of Pd Decahedral Nanocrystals with a Penta-twinned Structure and Its Impact on Their Growth Behavior. Chemistry of Materials, 2017, 29, 5394-5400.	3.2	22
524	Waterâ€Based Synthesis of Subâ€10 nm Pt Octahedra and Their Performance towards the Oxygen Reduction Reaction. ChemNanoMat, 2017, 3, 879-884.	1.5	22
525	A facile, robust and scalable method for the synthesis of Pd nanoplates with hydroxylamine as a reducing agent and mechanistic insights from kinetic analysis. Journal of Materials Chemistry C, 2018, 6, 4677-4682.	2.7	22
526	Nanofiberâ€Based Multiâ€Tubular Conduits with a Honeycomb Structure for Potential Application in Peripheral Nerve Repair. Macromolecular Bioscience, 2018, 18, e1800090.	2.1	22
527	Au@Cu Coreâ€“Shell Nanocubes with Controllable Sizes in the Range of 20â€“30 nm for Applications in Catalysis and Plasmonics. ACS Applied Nano Materials, 2019, 2, 1533-1540.	2.4	22
528	Generation of Controllable Gradients in Cell Density. Angewandte Chemie - International Edition, 2013, 52, 429-432.	7.2	21
529	Surfaceâ€Functionalized Electrospun Titania Nanofibers for the Scavenging and Recycling of Precious Metal Ions. ChemSusChem, 2016, 9, 2912-2916.	3.6	21
530	On the Thermodynamics and Experimental Control of Twinning in Metal Nanocrystals. Angewandte Chemie - International Edition, 2017, 56, 8647-8651.	7.2	21
531	Quantitative Analysis of the Multiple Roles Played by Halide Ions in Controlling the Growth Patterns of Palladium Nanocrystals. ChemNanoMat, 2020, 6, 576-588.	1.5	21
532	Facile Synthesis of Doubleâ€Shelled Polypyrrole Hollow Particles with a Structure Similar to That of a Thermal Bottle. Macromolecular Rapid Communications, 2010, 31, 1863-1868.	2.0	20
533	Mixing an Aqueous Suspension of Pd or Au Nanocrystals with a Less Polar Solvent Can Cause Changes to Size, Morphology, or Both. Angewandte Chemie - International Edition, 2011, 50, 6052-6055.	7.2	20
534	Poly(butylene terephthalate) electrospun/meltâ€blown composite mats for white blood cell filtration. Journal of Applied Polymer Science, 2013, 128, 3652-3659.	1.3	20
535	Toward a Quantitative Understanding of the Sulfate-Mediated Synthesis of Pd Decahedral Nanocrystals with High Conversion and Morphology Yields. Chemistry of Materials, 2016, 28, 8800-8806.	3.2	20
536	Nanobottles for Controlled Release and Drug Delivery. Advanced Healthcare Materials, 2021, 10, 2000587.	3.9	20
537	Colloidal Metal Nanocrystals with Metastable Crystal Structures. Angewandte Chemie - International Edition, 2021, 60, 12192-12203.	7.2	20
538	Growth and patterning of pt nanowires on silicon substrates. Nano Research, 2008, 1, 129-137.	5.8	19
539	Effect of Size, Shape, Composition, and Support Film on Localized Surface Plasmon Resonance Frequency: A Single Particle Approach Applied to Silver Bipyramids and Gold and Silver Nanocubes. Materials Research Society Symposia Proceedings, 2009, 1208, 1.	0.1	19
540	Palladium@Platinum Concave Nanocubes with Enhanced Catalytic Activity toward Oxygen Reduction. ChemCatChem, 2016, 8, 3082-3088.	1.8	19

#	Article	IF	Citations
541	A Hybrid Nanomaterial for the Controlled Generation of Free Radicals and Oxidative Destruction of Hypoxic Cancer Cells. Angewandte Chemie, 2017, 129, 8927-8930.	1.6	19
542	Understanding the Stability of Ptâ€Based Nanocages under Thermal Stress Using In Situ Electron Microscopy. ChemNanoMat, 2018, 4, 112-117.	1.5	19
543	Scalable Synthesis of Palladium Icosahedra in Plug Reactors for the Production of Oxygen Reduction Reaction Catalysts. ChemCatChem, 2016, 8, 1658-1664.	1.8	18
544	Facile Synthesis of Pd@Pt_{3â€“4L} Coreâ€“Shell Octahedra with a Clean Surface and Thus Enhanced Activity toward Oxygen Reduction. ChemCatChem, 2017, 9, 414-419.	1.8	18
545	Synthesis of Palladium Nanoscale Octahedra through a Oneâ€Pot, Dualâ€Reductant Route and Kinetic Analysis. Chemistry - A European Journal, 2018, 24, 6133-6139.	1.7	18
546	Enhancing the tactile and near-infrared sensing capabilities of electrospun PVDF nanofibers with the use of gold nanocages. Journal of Materials Chemistry C, 2018, 6, 10263-10269.	2.7	18
547	Atomistic insights into the nucleation and growth of platinum on palladium nanocrystals. Nature Communications, 2021, 12, 3215.	5.8	18
548	Facile Synthesis of Palladiumâ€Based Nanocrystals with Different Crystal Phases and a Comparison of Their Catalytic Properties. Advanced Materials, 2021, 33, e2103801.	11.1	18
549	Seed-Mediated Growth of Gold Nanocrystals: Changes to the Crystallinity or Morphology as Induced by the Treatment of Seeds with a Sulfur Species. Journal of Physical Chemistry B, 2014, 118, 14132-14139.	1.2	17
550	Shape-controlled synthesis of CO-free Pd nanocrystals with the use of formic acid as a reducing agent. Chemical Communications, 2016, 52, 12594-12597.	2.2	17
551	The effect of surface capping on the diffusion of adatoms in the synthesis of Pd@Au coreâ€“shell nanocrystals. Chemical Communications, 2016, 52, 13159-13162.	2.2	17
552	Melanocortin 1 Receptor Targeted Imaging of Melanoma With Gold Nanocages and Positron Emission Tomography. Molecular Imaging, 2018, 17, 153601211877582.	0.7	17
553	Controlling the Release of Neurotrophinâ€3 and Chondroitinase ABC Enhances the Efficacy of Nerve Guidance Conduits. Advanced Healthcare Materials, 2020, 9, e2000200.	3.9	17
554	Spatiotemporally Controlling the Release of Biological Effectors Enhances Their Effects on Cell Migration and Neurite Outgrowth. Small Methods, 2020, 4, 2000125.	4.6	17
555	Nanofiber/hydrogel coreâ€“shell scaffolds with three-dimensional multilayer patterned structure for accelerating diabetic wound healing. Journal of Nanobiotechnology, 2022, 20, 28.	4.2	17
556	Geometry and surface state effects on the mechanical response of Au nanostructures. International Journal of Materials Research, 2004, 95, 416-424.	0.8	16
557	Gold Nanocages for Cancer Imaging and Therapy. Methods in Molecular Biology, 2010, 624, 83-99.	0.4	16
558	Targeted Delivery of Antiâ€miRâ€712 by VCAM1â€Binding Au Nanospheres for Atherosclerosis Therapy. ChemNanoMat, 2016, 2, 400-406.	1.5	16

#	Article	IF	Citations
559	Facile Synthesis of Ptâ€“Pd Alloy Nanocages and Pt Nanorings by Templating with Pd Nanoplates. ChemNanoMat, 2016, 2, 1086-1091.	1.5	16
560	Facile Synthesis of ⁶⁴Cuâ€Doped Au Nanocages for Positron Emission Tomography Imaging. ChemNanoMat, 2017, 3, 44-50.	1.5	16
561	Radiolabeling of Gold Nanocages for Potential Applications in Tracking, Diagnosis, and Imageâ€Guided Therapy. Advanced Healthcare Materials, 2021, 10, e2002031.	3.9	16
562	A silver nanocube on a gold microplate as a well-defined and highly active substrate for SERS detection. Journal of Materials Chemistry C, 2013, 1, 6145.	2.7	15
563	Dimerization of Colloidal Particles through Controlled Aggregation for Enhanced Properties and Applications. Chemistry - an Asian Journal, 2016, 11, 2341-2351.	1.7	15
564	Rhodium Decahedral Nanocrystals: Facile Synthesis, Mechanistic Insights, and Experimental Controls. ChemNanoMat, 2018, 4, 66-70.	1.5	15
565	A Photochemical, Room-Temperature, and Aqueous Route to the Synthesis of Pd Nanocubes Enriched with Atomic Steps and Terraces on the Side Faces. Chemistry of Materials, 2017, 29, 4563-4571.	3.2	14
566	A systematic study of the catalytic durability of Pd@Pt2â˜3L nano-sized octahedra toward oxygen reduction. Catalysis Today, 2017, 280, 266-273.	2.2	14
567	Beyond the confines of templates. Nature, 2010, 467, 923-924.	13.7	13
568	Gold icosahedral nanocages: Facile synthesis, optical properties, and fragmentation under ultrasonication. Chemical Physics Letters, 2017, 683, 613-618.	1.2	13
569	Facile synthesis of gold trisoctahedral nanocrystals with controllable sizes and dihedral angles. Nanoscale, 2018, 10, 11034-11042.	2.8	13
570	Pd@Rh coreâ€“shell nanocrystals with well-defined facets and their enhanced catalytic performance towards CO oxidation. Nanoscale Horizons, 2019, 4, 1232-1238.	4.1	13
571	Transforming Nanofiber Mats into Hierarchical Scaffolds with Graded Changes in Porosity and/or Nanofiber Alignment. Macromolecular Rapid Communications, 2020, 41, 1900579.	2.0	13
572	Ptâ€“Co truncated octahedral nanocrystals: a class of highly active and durable catalysts toward oxygen reduction. Nanoscale, 2020, 12, 11718-11727.	2.8	13
573	Controlling the Surface Oxidation of Cu Nanowires Improves Their Catalytic Selectivity and Stability toward C 2+ Products in CO 2 Reduction. Angewandte Chemie, 2021, 133, 1937-1943.	1.6	13
574	Controlling the Deposition of Pd on Au Nanocages: Outer Surface Only versus Both Outer and Inner Surfaces. Nano Letters, 2017, 17, 5682-5687.	4.5	12
575	Facile synthesis of Pd concave nanocubes: From kinetics to mechanistic understanding and rationally designed protocol. Nano Research, 2018, 11, 3122-3131.	5.8	12
576	Iridiumâ€Based Cubic Nanocages with 1.1â€nmâ€Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium. Angewandte Chemie, 2019, 131, 7322-7326.	1.6	12

#	Article	IF	Citations
577	Oneâ€Pot Synthesis of Pd@Pt_{nL} Coreâ€Shell Icosahedral Nanocrystals in High Throughput through a Quantitative Analysis of the Reduction Kinetics. Chemistry - A European Journal, 2019, 25, 5322-5329.	1.7	12
578	Polyol Synthesis of Pd Icosahedral Nanocrystals: Insights into the Growth Mechanism and Size Control. Chemistry of Materials, 2022, 34, 5065-5073.	3.2	12
579	Ag-Ag0.08V2O5Â·nH2O composite films as host materials for Li+intercalation. Physica Status Solidi (A) Applications and Materials Science, 2005, 202, R79-R81.	0.8	11
580	Micropatterning of the Ferroelectric Phase in a Poly(vinylidene difluoride) Film by Plasmonic Heating with Gold Nanocages. Angewandte Chemie, 2016, 128, 14032-14036.	1.6	11
581	Quantitative analysis of the reduction kinetics of a Pt(II) precursor in the context of Pt nanocrystal synthesis. Chinese Journal of Chemical Physics, 2018, 31, 370-374.	0.6	11
582	A Quantitative Analysis of the Reduction Kinetics Involved in the Synthesis of Au@Pd Concave Nanocubes. Chemistry - A European Journal, 2019, 25, 16397-16404.	1.7	11
583	Facile Synthesis of Pt Icosahedral Nanocrystals with Controllable Sizes for the Evaluation of Sizeâ€Dependent Activity toward Oxygen Reduction. ChemCatChem, 2019, 11, 2458-2463.	1.8	11
584	Maximizing the Catalytic Performance of Pd@Au_xPd_{1â^'x} Nanocubes in H₂O₂ Production by Reducing Shell Thickness to Increase Compositional Stability. Angewandte Chemie, 2021, 133, 19795-19799.	1.6	11
585	Using Reduction Kinetics to Control and Predict the Outcome of a Colloidal Synthesis of Noble-Metal Nanocrystals. Inorganic Chemistry, 2021, 60, 4182-4197.	1.9	10
586	Patterning Materials through Viscoelastic Flow and Phase Separation. Angewandte Chemie - International Edition, 2011, 50, 10977-10980.	7.2	9
587	A General Approach to the Synthesis of M@Au/Ag (M = Au, Pd, and Pt) Nanorattles with Ultrathin Shells Less Than 2.5 nm Thick. Particle and Particle Systems Characterization, 2017, 34, 1600279.	1.2	9
588	Toward affordable and sustainable use of precious metals in catalysis and nanomedicine. MRS Bulletin, 2018, 43, 860-869.	1.7	9
589	Facile Synthesis of Silver Icosahedral Nanocrystals with Uniform and Controllable Sizes. ChemNanoMat, 2018, 4, 1071-1077.	1.5	9
590	Direct Visualization and Semiâ€Quantitative Analysis of Payload Loading in the Case of Gold Nanocages. Angewandte Chemie - International Edition, 2019, 58, 17671-17674.	7.2	9
591	A Mechanistic Study of the Multiple Roles of Oleic Acid in the Oilâ€Phase Synthesis of Pt Nanocrystals. Chemistry - A European Journal, 2020, 26, 15636-15642.	1.7	9
592	Aqueous Synthesis of Pdâ€“M (Mâ€‰=â€‰Pd, Pt, and Au) Decahedra with Concave Facets for Catalytic Applications. Topics in Catalysis, 2020, 63, 664-672.	1.3	9
593	Pdâ€“Au Asymmetric Nanopyramids: Lateral vs Vertical Growth of Au on Pd Decahedral Seeds. Chemistry of Materials, 2021, 33, 5391-5400.	3.2	9
594	Oriented Attachment: A Unique Mechanism for the Colloidal Synthesis of Metal Nanostructures. ChemNanoMat, 2022, 8, .	1.5	9

#	Article	IF	Citations
595	Facile Synthesis of Gold Octahedra by Direct Reduction of HAuCl₄ in an Aqueous Solution. Chemistry - an Asian Journal, 2010, 5, 1312-1316.	1.7	8
596	Seedâ€Mediated Growth of Colloidal Metal Nanocrystals: Scaling up the Production through Geometric and Stoichiometric Analyses. ChemNanoMat, 2016, 2, 1033-1039.	1.5	8
597	Photothermal Welding, Melting, and Patterned Expansion of Nonwoven Mats of Polymer Nanofibers for Biomedical and Printing Applications. Angewandte Chemie, 2019, 131, 16568-16573.	1.6	8
598	Continuous and Scalable Synthesis of Pt Multipods with Enhanced Electrocatalytic Activity toward the Oxygen Reduction Reaction. ChemNanoMat, 2019, 5, 599-605.	1.5	8
599	Facile Synthesis of Ag@Pd_{nL} Icosahedral Nanocrystals as a Class of Costâ€Effective Electrocatalysts toward Formic Acid Oxidation. ChemCatChem, 2020, 12, 5156-5163.	1.8	8
600	Biomimetic Scaffolds with a Mineral Gradient and Funnelâ€Shaped Channels for Spatially Controllable Osteogenesis. Advanced Healthcare Materials, 2022, 11, e2100828.	3.9	8
601	Softlithographie. , 1998, 110, 568.		8
602	Soft Lithography. , 1998, 37, 550.		8
603	Pencil-like Ag Nanorods Asymmetrically Capped by Pd. Chemistry of Materials, 2020, 32, 5361-5367.	3.2	8
604	Accelerating Cell Migration along Radially Aligned Nanofibers through the Addition of Electrosprayed Nanoparticles in a Radial Density Gradient. Particle and Particle Systems Characterization, 2022, 39, .	1.2	8
605	The Role of Surface Nonuniformity in Controlling the Initiation of a Galvanic Replacement Reaction. Chemistry - an Asian Journal, 2011, 6, 1479-1484.	1.7	7
606	Separating Growth from Nucleation for Facile Control over the Size and Shape of Palladium Nanocrystals. Chemistry - A European Journal, 2020, 26, 13890-13895.	1.7	7
607	Swellingâ€Induced Symmetry Breaking: A Versatile Approach to the Scalable Production of Colloidal Particles with a Janus Structure. Angewandte Chemie, 2021, 133, 13090-13094.	1.6	7
608	Phase-Controlled Synthesis of Ru Nanocrystals via Template-Directed Growth: Surface Energy versus Bulk Energy. Nano Letters, 2022, 22, 3591-3597.	4.5	7
609	Micropatterned Polymer Nanorod Forests and Their Use for Dual Drug Loading and Regulation of Cell Adhesion. ACS Applied Materials & Interfaces, 2016, 8, 34194-34197.	4.0	6
610	On the Thermodynamics and Experimental Control of Twinning in Metal Nanocrystals. Angewandte Chemie, 2017, 129, 8773-8777.	1.6	6
611	Reconstitution of Lowâ€Density Lipoproteins with Fatty Acids for the Targeted Delivery of Drugs into Cancer Cells. Angewandte Chemie, 2017, 129, 10535-10538.	1.6	6
612	In Situ Growth of Ptâ€“Co Nanocrystals on Different Types of Carbon Supports and Their Electrochemical Performance toward Oxygen Reduction. ACS Applied Materials & Interfaces, 2021, 13, 51988-51996.	4.0	6

#	Article	IF	Citations
613	Hydroquinone-Based Synthesis of Pd Nanostructures and the Interplay of Surface Capping, Reduction Kinetics, Attachment, Diffusion, and Fusion. Chemistry of Materials, 2021, 33, 8430-8439.	3.2	6
614	Shape-Controlled Synthesis of Gold and Silver Nanoparticles.. ChemInform, 2003, 34, no.	0.1	5
615	Synthesis and characterization of monodisperse colloidal spheres of Pb containing superparamagnetic Fe3O4 nanoparticles. Chemical Physics Letters, 2007, 436, 213-217.	1.2	5
616	Promoting the Outgrowth of Neurites on Electrospun Microfibers by Functionalization with Electrosprayed Microparticles of Fatty Acids. Angewandte Chemie, 2019, 131, 3988-3991.	1.6	5
617	A Simple Route to the Synthesis of Pt Nanobars and the Mechanistic Understanding of Symmetry Reduction. Chemistry - A European Journal, 2021, 27, 2760-2766.	1.7	5
618	Colloidal Nanospheres of Amorphous Selenium: Facile Synthesis, Size Control, and Optical Properties. ChemNanoMat, 2021, 7, 620-625.	1.5	5
619	Improving the Purity and Uniformity of Pd and Pt Nanocrystals by Decoupling Growth from Nucleation in a Flow Reactor. Chemistry of Materials, 2021, 33, 3791-3801.	3.2	5
620	Decomposition Kinetics of H₂O₂ on Pd Nanocrystals with Different Shapes and Surface Strains. ChemCatChem, 2022, 14, .	1.8	5
621	Quantifying the Subâ€Cellular Distributions of Gold Nanospheres Taken Up by Cells through Stepwise, Siteâ€Selective Etching. Chemistry - A European Journal, 2018, 24, 8513-8518.	1.7	4
622	In My Element: Silver. Chemistry - A European Journal, 2019, 25, 4244-4244.	1.7	4
623	Janus Nanocages of Platinumâ€Group Metals and Their Use as Effective Dualâ€Electrocatalysts. Angewandte Chemie, 2021, 133, 10472-10480.	1.6	4
624	Mechanistic Study of Seed-Mediated Growth of Gold Rhombic Dodecahedra. Journal of Physical Chemistry C, 2021, 125, 27394-27402.	1.5	4
625	A Soft Lithographic Approach to the Fabrication of Single Crystalline Silicon Nanostructures with Well-Defined Dimensions and Shapes. Materials Research Society Symposia Proceedings, 2000, 636, 421.	0.1	3
626	Photonic Crystals. Nanostructure Science and Technology, 2004, , 505-529.	0.1	3
627	Facile synthesis of Ptâ€“Ag octahedral and tetrahedral nanocrystals with enhanced activity and durability toward methanol oxidation. Journal of Materials Research, 2018, 33, 3891-3897.	1.2	3
628	Continuous Production of Waterâ€Soluble Nanocrystals through Antiâ€Solvent Precipitation in a Fluidic Device. ChemNanoMat, 2019, 5, 1131-1136.	1.5	3
629	OberflÃchenstabilisatoren und ihre Rolle bei der formkontrollierten Synthese von kolloidalen Metallâ€Nanokristallen. Angewandte Chemie, 2020, 132, 15498-15523.	1.6	3
630	Facile Synthesis of Pdâ”Cu Bimetallic Twin Nanocubes and a Mechanistic Understanding of the Shape Evolution. ChemNanoMat, 2020, 6, 386-391.	1.5	3

#	Article	IF	Citations
631	A New Catalytic System with Balanced Activity and Durability toward Oxygen Reduction. ChemCatChem, 2020, 12, 4817-4824.	1.8	3
632	Facile Synthesis of Platinum Right Bipyramids by Separating and Controlling the Nucleation Step in a Continuous Flow System. Chemistry - A European Journal, 2021, 27, 13855-13863.	1.7	3
633	Noninvasive photoacoustic sentinel lymph node mapping using Au nanocages as a lymph node tracer in a rat model. , 2009, , .		2
634	How to Remove the Capping Agent from Pd Nanocubes without Destructing Their Surface Structure for the Maximization of Catalytic Activity?. Angewandte Chemie, 2020, 132, 19291-19297.	1.6	2
635	Colloidal Metal Nanocrystals with Metastable Crystal Structures. Angewandte Chemie, 2021, 133, 12300-12311.	1.6	2
636	Elucidating the surface compositions of Pd@Pt_{nL} coreâ€“shell nanocrystals through catalytic reactions and spectroscopy probes. Nanoscale, 2021, 13, 18498-18506.	2.8	2
637	Improving biomedical imaging with gold nanocages. SPIE Newsroom, 2008, , 1200705.1135.	0.1	2
638	Using computational methods to design patient-specific electrospun cardiac patches for pediatric heart failure. Biomaterials, 2022, 283, 121421.	5.7	2
639	Polystyreneâ€Silica Colloidal Janus Particles with Uniform Shapes and Complex Structures. Particle and Particle Systems Characterization, 2022, 39, .	1.2	2
640	Engraving the Surface of Electrospun Microfibers with Nanoscale Grooves Promotes the Outgrowth of Neurites and the Migration of Schwann Cells. Angewandte Chemie, 2020, 132, 15756-15762.	1.6	1
641	Soft Lithography. , 1998, 37, 550.		1
642	Metal Nanowires Synthesized by Solution-Phase Methods. , 2003, , 211-234.		1
643	A Tribute to Professor Nicholas Peppas. Advanced Healthcare Materials, 2022, 11, e2200412.	3.9	1
644	Synthesis and Characterization of Ptâ€Ag Icosahedral Nanocages with Enhanced Catalytic Activity toward Oxygen Reduction. ChemNanoMat, 0, , .	1.5	1
645	Chalcogen Nanowires: Synthesis and Properties. Materials Research Society Symposia Proceedings, 2003, 776, 621.	0.1	0
646	Vibrational spectroscopy and energy relaxation of nanocubes, nanoboxes, and nanocages. , 2006, , .		0
647	Shape-Controlled Synthesis of Metal Nanostructures: The Case of Silver. ChemInform, 2006, 37, no.	0.1	0
648	Direct Visualization and Semiâ€Quantitative Analysis of Payload Loading in the Case of Gold Nanocages. Angewandte Chemie, 2019, 131, 17835-17838.	1.6	0

#	Article	IF	Citations
649	RÃ¼cktitelbild: Iridiumâ€Based Cubic Nanocages with 1.1â€nmâ€Thick Walls: A Highly Efficient and Durable Electrocatalyst for Water Oxidation in an Acidic Medium (Angew. Chem. 22/2019). Angewandte Chemie, 2019, 131, 7576-7576.	1.6	0
650	A Tribute to Professor George M. Whitesides. Advanced Healthcare Materials, 2021, 10, e2100017.	3.9	0
651	Biomaterials Research at the Georgia Institute of Technology. Advanced Healthcare Materials, 2021, 10, e2101282.	3.9	0
652	Gold Nanostructures in Biomedicine. ChemistryViews, 0, , .	0.0	0
653	(Keynote) Surface Capping and the Shape Evolution of Colloidal Metal Nanocrystals. ECS Meeting Abstracts, 2018, , .	0.0	0
654	Surface Structural Evolution of Pd Nanosheets during Aging and Their Effect on (Electro-)Catalytic Activities. ECS Meeting Abstracts, 2019, , .	0.0	0
655	Geometry and surface state effects on the mechanical response of Au nanostructures. International Journal of Materials Research, 2022, 95, 416-424.	0.1	0