Jianfang F Wang

List of Publications by Year
in descending order

271 papers	33,678 citations	4146 87 h-index	3830 178 g-index
286 all docs	286 docs citations	286 times ranked	31626 citing authors

#	Article	IF	Citations
1	A Schottkyâ€Barrierâ€Free Plasmonic Semiconductor Photocatalyst for Nitrogen Fixation in a â€œOneâ€Stoneâ€Twoâ€Birdsâ€•Manner. Advanced Materials, 2022, 34, e2104226.	21.0	60
2	Effects of shape and solute-solvent compatibility on the efficacy of chirality transfer: Nanoshapes in nematics. Science Advances, 2022, 8, eabl4385.	10.3	11
3	All-State Switching of the Mie Resonance of Conductive Polyaniline Nanospheres. Nano Letters, 2022, 22, 1406-1414.	9.1	18
4	Disentangling Light- and Temperature-Induced Thermal Effects in Colloidal Au Nanoparticles. Journal of Physical Chemistry C, 2022, 126, 3591-3599.	3.1	6
5	Synthesis and Functionalization of Anisotropic Silver Nanoparticles. , 2022, , 349-396.		0
6	Direct deposition of anatase TiO2 on thermally unstable gold nanobipyramid: Morphology-conserved plasmonic nanohybrid for combinational photothermal and photocatalytic cancer therapy. Applied Materials Today, 2022, 27, 101472.	4.3	3
7	Mode-dependent energy exchange between near- and far-field through silicon-supported single silver nanorods. Nanoscale, 2022, 14, 8362-8373.	5.6	3
8	Titanium Oxynitride Spheres with Broad Plasmon Resonance for Solar Seawater Desalination. ACS Applied Materials & Interfaces, 2022, 14, 28769-28780.	8.0	9
9	Generation and Detection of Strain-Localized Excitons in WS₂ Monolayer by Plasmonic Metal Nanocrystals. ACS Nano, 2022, 16, 10647-10656.	14.6	14
10	Photodriven Disproportionation of Nitrogen and Its Change to Reductive Nitrogen Photofixation. Angewandte Chemie, 2021, 133, 940-949.	2.0	12
11	Asymmetric Light Scattering on Heterodimers Made of Au Nanorods Vertically Standing on Au Nanodisks. Advanced Optical Materials, 2021, 9, 2001595.	7.3	8
12	Directional Control of Light with Nanoantennas. Advanced Optical Materials, 2021, 9, .	7.3	44
13	Photodriven Disproportionation of Nitrogen and Its Change to Reductive Nitrogen Photofixation. Angewandte Chemie - International Edition, 2021, 60, 927-936.	13.8	61
14	Plasmon-enabled N₂ photofixation on partially reduced Ti₃C₂ MXene. Chemical Science, 2021, 12, 11213-11224.	7.4	27
15	Metal-free g-C₃N₄ nanosheets as a highly visible-light-active photocatalyst for thiolâ€“ene reactions. Nanoscale, 2021, 13, 3493-3499.	5.6	13
16	A novel deposition mechanism of Au on Ag nanostructures involving galvanic replacement and reduction reactions. Chemical Communications, 2021, 57, 8332-8335.	4.1	12
17	Electromagnetic Resonanceâ€Modulated Magnetic Emission in Europiumâ€Doped Subâ€Micrometer Zirconia Spheres. Advanced Optical Materials, 2021, 9, 2002212.	7.3	11
18	Chirality-selective transparency induced by lattice resonance in bilayer metasurfaces. Photonics Research, 2021, 9, 484.	7.0	21

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19	Electrophoretic Plasmonic Ink for Dynamic Color Display. Advanced Optical Materials, 2021, 9, 2100091.	7.3	5
20	Symmetryâ€Broken Auâ€“Cu Heterostructures and their Tandem Catalysis Process in Electrochemical CO₂ Reduction. Advanced Functional Materials, 2021, 31, 2101255.	14.9	64
21	Selective Deposition of Catalytic Metals on Plasmonic Au Nanocups for Room-Light-Active Photooxidation of o-Phenylenediamine. ACS Applied Materials & Interfaces, 2021, 13, 51855-51866.	8.0	12
22	Driving Click Reactions with Plasmonic Hot Holes on (Au Core)@(Cu₂O Shell) Nanostructures for Regioselective Production of 1,2,3-Triazoles. ACS Applied Nano Materials, 2021, 4, 4623-4631.	5.0	12
23	Electrochemically controlled metasurfaces with high-contrast switching at visible frequencies. Science Advances, 2021, 7, .	10.3	49
24	How to Utilize Excited Plasmon Energy Efficiently. ACS Nano, 2021, 15, 10759-10768.	14.6	39
25	Facet- and Gas-Dependent Reshaping of Au Nanoplates by Plasma Treatment. ACS Nano, 2021, 15, 9860-9870.	14.6	9
26	Multiphoton Photoluminescence in Hybrid Plasmonâ€“Fiber Cavities with Au and Au@Pd Nanobipyramids: Two-Photon versus Four-Photon Processes and Rapid Quenching. ACS Photonics, 2021, 8, 2088-2094.	6.6	8
27	Sophisticated plasmon-enhanced photo-nanozyme for anti-angiogenic and tumor-microenvironment-responsive combinatorial photodynamic and photothermal cancer therapy. Journal of Industrial and Engineering Chemistry, 2021, 104, 106-106.	5.8	8
28	Site-Selective Deposition of Metalâ€“Organic Frameworks on Gold Nanobipyramids for Surface-Enhanced Raman Scattering. Nano Letters, 2021, 21, 8205-8212.	9.1	46
29	Gold Nanorods: The Most Versatile Plasmonic Nanoparticles. Chemical Reviews, 2021, 121, 13342-13453.	47.7	237
30	Plasmonâ€Enhanced, Selfâ€Traced Nanomotors on the Surface of Silicon. Angewandte Chemie - International Edition, 2021, 60, 24958-24967.	13.8	7
31	Crown monitoring: Trace the dynamic changes of caspase-3 and H2O2 in real-time imaging based on FRET/SERS. Biosensors and Bioelectronics, 2021, 192, 113539.	10.1	22
32	Detection of cell-surface sialic acids and photodynamic eradication of cancer cells using dye-modified polydopamine-coated gold nanobipyramids. Journal of Materials Chemistry B, 2021, 9, 5780-5784.	5.8	10
33	Directional Control of Light with Nanoantennas (Advanced Optical Materials 1/2021). Advanced Optical Materials, 2021, 9, 2170002.	7.3	0
34	A new cobalt(<scp>ii</scp>) complex nanosheet as an electroactive medium for plasmonic switching on Au nanoparticles. Dalton Transactions, 2021, 50, 15900-15905.	3.3	1
35	Heterostructures Built through Siteâ€Selective Deposition on Anisotropic Plasmonic Metal Nanocrystals and Their Applications. Small Structures, 2021, 2, .	12.0	21
36	Giant Second Harmonic Generation Enhancement in a High-Q Doubly Resonant Hybrid Plasmonâ€“Fiber Cavity System. ACS Nano, 2021, 15, 19409-19417.	14.6	8

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37	Strengthening Fano resonance on gold nanoplates with gold nanospheres. Nanoscale, 2020, 12, 1975-1984.	5.6	18
38	(Metal yolk)/(porous ceria shell) nanostructures for high-performance plasmonic photocatalysis under visible light. Nano Research, 2020, 13, 1354-1362.	10.4	15
39	Plasmonic Color Laser Printing inside Transparent Gold Nanodiskâ€Embedded Poly(dimethylsiloxane) Matrices. Advanced Optical Materials, 2020, 8, 1901605.	7.3	27
40	Growth of Au Hollow Stars and Harmonic Excitation Energy Transfer. ACS Nano, 2020, 14, 736-745.	14.6	12
41	Anapole States and Toroidal Resonances Realized in Simple Gold Nanoplateâ€onâ€Mirror Structures. Advanced Optical Materials, 2020, 8, 2001173.	7.3	27
42	Electrochemical coating of different conductive polymers on diverse plasmonic metal nanocrystals. Nanoscale, 2020, 12, 21617-21623.	5.6	13
43	Slow Charge Carrier Relaxation in Gold Nanoparticles. Journal of Physical Chemistry C, 2020, 124, 24322-24330.	3.1	7
44	(Gold nanorod core)/(poly(3,4-ethylene-dioxythiophene) shell) nanostructures and their monolayer arrays for plasmonic switching. Nanoscale, 2020, 12, 20684-20692.	5.6	8
45	Substrateâ€Modulated Electromagnetic Resonances in Colloidal Cu 2 O Nanospheres. Particle and Particle Systems Characterization, 2020, 37, 2000106.	2.3	5
46	Substrate-Enabled Plasmonic Color Switching with Colloidal Gold Nanorings. , 2020, 2, 744-753.		11
47	Gold nanonails for surface-enhanced infrared absorption. Nanoscale Horizons, 2020, 5, 1200-1212.	8.0	24
48	Gold nanobipyramid-loaded black phosphorus nanosheets for plasmon-enhanced photodynamic and photothermal therapy of deep-seated orthotopic lung tumors. Acta Biomaterialia, 2020, 107, 260-271.	8.3	39
49	Electrochemical Switching of Plasmonic Colors Based on Polyaniline-Coated Plasmonic Nanocrystals. ACS Applied Materials & Interfaces, 2020, 12, 17733-17744.	8.0	28
50	Efficient Ammonia Electrosynthesis from Nitrate on Strained Ruthenium Nanoclusters. Journal of the American Chemical Society, 2020, 142, 7036-7046.	13.7	542
51	Plasmonically enabled two-dimensional material-based optoelectronic devices. Nanoscale, 2020, 12, 8095-8108.	5.6	38
52	Gold nanobipyramid-embedded ultrathin metal nanoframes for in situ monitoring catalytic reactions. Chemical Science, 2020, 11, 3198-3207.	7.4	35
53	Au nanoparticle-embedded, nitrogen-deficient hollow mesoporous carbon nitride spheres for nitrogen photofixation. Journal of Materials Chemistry A, 2020, 8, 16218-16231.	10.3	74
54	Importance of substrates for the visibility of "dark" plasmonic modes. Optics Express, 2020, 28, 13938.	3.4	8

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55	General Method for Determining Light Scattering and Absorption of Nanoparticle Composites. Advanced Optical Materials, 2019, 7, 1801315.	7.3	10
56	Gold Nanobipyramids: An Emerging and Versatile Type of Plasmonic Nanoparticles. Accounts of Chemical Research, 2019, 52, 2136-2146.	15.6	133
57	Colloidal Gold Nanorings and Their Plasmon Coupling with Gold Nanospheres. Small, 2019, 15, e1902608.	10.0	39
58	Antiangiogenesis-Combined Photothermal Therapy in the Second Near-Infrared Window at Laser Powers Below the Skin Tolerance Threshold. Nano-Micro Letters, 2019, 11, 93.	27.0	22
59	Single-Particle Emission Spectroscopy Resolves d-Hole Relaxation in Copper Nanocubes. ACS Energy Letters, 2019, 4, 2458-2465.	17.4	39
60	AlPcS-loaded gold nanobipyramids with high two-photon efficiency for photodynamic therapy in vivo. Nanoscale, 2019, 11, 3386-3395.	5.6	20
61	Au Nanobottles with Synthetically Tunable Overall and Opening Sizes for Chemo-Photothermal Combined Therapy. ACS Applied Materials & Interfaces, 2019, 11, 5353-5363.	8.0	19
62	Chemically Synthesized Electromagnetic Metal Oxide Nanoresonators. Advanced Optical Materials, 2019, 7, 1900396.	7.3	13
63	Biohybrid photoheterotrophic metabolism for significant enhancement of biological nitrogen fixation in pure microbial cultures. Energy and Environmental Science, 2019, 12, 2185-2191.	30.8	61
64	Direct Monitoring of Cell Membrane Vesiculation with 2D AuNP@MnO₂ Nanosheet Supraparticles at the Singleâ€Particle Level. Angewandte Chemie - International Edition, 2019, 58, 10542-10546.	13.8	58
65	Switching plasmonic Fano resonance in gold nanosphereâ€“nanoplate heterodimers. Nanoscale, 2019, 11, 9641-9653.	5.6	19
66	Laser illumination-induced dramatic catalytic activity change on Au nanospheres. Chemical Science, 2019, 10, 5793-5800.	7.4	25
67	Dopamine-Mediated Assembly of Citrate-Capped Plasmonic Nanoparticles into Stable Coreâ€“Shell Nanoworms for Intracellular Applications. ACS Nano, 2019, 13, 5864-5884.	14.6	57
68	Enhanced CO₂ reduction and valuable C₂₊ chemical production by a CdS-photosynthetic hybrid system. Nanoscale, 2019, 11, 9296-9301.	5.6	71
69	Colour routing with single silver nanorods. Light: Science and Applications, 2019, 8, 39.	16.6	34
70	Efficiency enhancement of organic photovoltaics by introducing high-mobility curved small-molecule semiconductors as additives. Journal of Materials Chemistry A, 2019, 7, 12740-12750.	10.3	8
71	Site-Selective Growth of Crystalline Ceria with Oxygen Vacancies on Gold Nanocrystals for Near-Infrared Nitrogen Photofixation. Journal of the American Chemical Society, 2019, 141, 5083-5086.	13.7	222
72	Molecular Sensitivities of Substrate-Supported Gold Nanocrystals. Journal of Physical Chemistry C, 2019, 123, 7336-7346.	3.1	14

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73	Single-Crystalline Gold Nanodisks on WS₂ Mono- and Multilayers for Strong Coupling at Room Temperature. ACS Photonics, 2019, 6, 994-1001.	6.6	80
74	Magnetic Plasmon-Enhanced Second-Harmonic Generation on Colloidal Gold Nanocups. Nano Letters, 2019, 19, 2005-2011.	9.1	44
75	Electrocatalytic glycerol oxidation enabled by surface plasmon polariton-induced hot carriers in Kretschmann configuration. Nanoscale, 2019, 11, 23234-23240.	5.6	5
76	Pd films on soft substrates: a visual, high-contrast and low-cost optical hydrogen sensor. Light: Science and Applications, 2019, 8, 4.	16.6	46
77	(Invited) Plasmon-Driven Chemical Reactions. ECS Meeting Abstracts, 2019, , .	0.0	0
78	Surface-enhanced infrared absorption. Scientia Sinica: Physica, Mechanica Et Astronomica, 2019, 49, 124204.	0.4	3
79	Aerosol-spray metal phosphide microspheres with bifunctional electrocatalytic properties for water splitting. Journal of Materials Chemistry A, 2018, 6, 4783-4792.	10.3	53
80	AgInS2/In2S3 heterostructure sensitization of Escherichia coli for sustainable hydrogen production. Nano Energy, 2018, 46, 234-240.	16.0	76
81	Broadside Nanoantennas Made of Single Silver Nanorods. ACS Nano, 2018, 12, 1720-1731.	14.6	24
82	Circular Gold Nanodisks with Synthetically Tunable Diameters and Thicknesses. Advanced Functional Materials, 2018, 28, 1705516.	14.9	47
83	Homogeneous Immunosorbent Assay Based on Single-Particle Enumeration Using Upconversion Nanoparticles for the Sensitive Detection of Cancer Biomarkers. Analytical Chemistry, 2018, 90, 4807-4814.	6.5	101
84	Self-assembly of Au@Ag coreâ€“shell nanocuboids into staircase superstructures by droplet evaporation. Nanoscale, 2018, 10, 142-149.	5.6	44
85	Active Plasmonics: Principles, Structures, and Applications. Chemical Reviews, 2018, 118, 3054-3099.	47.7	483
86	Strong magnetic resonances and largely enhanced second-harmonic generation of colloidal MoS2 and ReS2@Au nanoantennas with assembled 2D nanosheets. Nanoscale, 2018, 10, 124-131.	5.6	11
87	Titaniaâ€Coated Gold Nanoâ€Bipyramids for Blocking Autophagy Flux and Sensitizing Cancer Cells to Proteasome Inhibitorâ€Induced Death. Advanced Science, 2018, 5, 1700585.	11.2	50
88	Advanced Plasmonic Materials for Dynamic Color Display. Advanced Materials, 2018, 30, e1704338.	21.0	176
89	Asymmetric growth of Au-core/Ag-shell nanorods with a strong octupolar plasmon resonance and an efficient second-harmonic generation. Nano Research, 2018, 11, 686-695.	10.4	33
90	Synergistic Nanozymetic Activity of Hybrid Gold Bipyramidâ€“Molybdenum Disulfide Core@Shell Nanostructures for Two-Photon Imaging and Anticancer Therapy. ACS Applied Materials & Interfaces, 2018, 10, 42068-42076.	8.0	53

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91	Molecular Tunnel Junction-Controlled High-Order Charge Transfer Plasmon and Fano Resonances. ACS Nano, 2018, 12, 12541-12550.	14.6	24
92	Metallic-Phase MoS₂ Nanopetals with Enhanced Electrocatalytic Activity for Hydrogen Evolution. ACS Sustainable Chemistry and Engineering, 2018, 6, 13435-13442.	6.7	48
93	Colloidal porous gold nanoparticles. Nanoscale, 2018, 10, 18473-18481.	5.6	31
94	The morphology and surface charge-dependent cellular uptake efficiency of upconversion nanostructures revealed by single-particle optical microscopy. Chemical Science, 2018, 9, 5260-5269.	7.4	91
95	Infraredâ€Responsive Colloidal Silver Nanorods for Surfaceâ€Enhanced Infrared Absorption. Advanced Optical Materials, 2018, 6, 1800436.	7.3	32
96	Emerging Applications of Plasmons in Driving CO₂ Reduction and N₂ Fixation. Advanced Materials, 2018, 30, e1802227.	21.0	155
97	Plasmonic and sensing properties of vertically oriented hexagonal gold nanoplates. Nanoscale, 2018, 10, 15058-15070.	5.6	18
98	Understanding the roles of plasmonic Au nanocrystal size, shape, aspect ratio and loading amount in Au/g-C₃N₄ hybrid nanostructures for photocatalytic hydrogen generation. Physical Chemistry Chemical Physics, 2018, 20, 22296-22307.	2.8	57
99	Coupling between the Mie Resonances of Cu₂O Nanospheres and the Excitons of Dye Aggregates. ACS Photonics, 2018, 5, 3838-3848.	6.6	33
100	High-Efficiency â€œWorking-in-Tandemâ€•Nitrogen Photofixation Achieved by Assembling Plasmonic Gold Nanocrystals on Ultrathin Titania Nanosheets. Journal of the American Chemical Society, 2018, 140, 8497-8508.	13.7	382
101	Anisotropic Plasmonic Light Scattering. , 2018, , .		0
102	Aerosol-Sprayed Gold/Ceria Photocatalyst with Superior Plasmonic Hot Electron-Enabled Visible-Light Activity. ACS Applied Materials & Interfaces, 2017, 9, 2560-2571.	8.0	65
103	Mechanically tunable sub-10 nm metal gap by stretching PDMS substrate. Nanotechnology, 2017, 28, 075301.	2.6	26
104	New Reaction Pathway Induced by Plasmon for Selective Benzyl Alcohol Oxidation on BiOCl Possessing Oxygen Vacancies. Journal of the American Chemical Society, 2017, 139, 3513-3521.	13.7	693
105	Plasmon Switching: Active Electrochemical Plasmonic Switching on Polyanilineâ€Coated Gold Nanocrystals (Adv. Mater. 8/2017). Advanced Materials, 2017, 29, .	21.0	0
106	Selective Pd Deposition on Au Nanobipyramids and Pd Siteâ€Dependent Plasmonic Photocatalytic Activity. Advanced Functional Materials, 2017, 27, 1700016.	14.9	94
107	Concave gold bipyramids bound with multiple high-index facets: improved Raman and catalytic activities. Nanoscale, 2017, 9, 5879-5886.	5.6	32
108	Active Electrochemical Plasmonic Switching on Polyanilineâ€Coated Gold Nanocrystals. Advanced Materials, 2017, 29, 1604862.	21.0	99

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109	Polydopamine-based concentric nanoshells with programmable architectures and plasmonic properties. Nanoscale, 2017, 9, 16968-16980.	5.6	39
110	Nanostructures: Ultravioletâ€“Visible Chiroptical Activity of Aluminum Nanostructures (Small 39/2017). Small, 2017, 13, .	10.0	1
111	Gold Nanobipyramidâ€Enhanced Hydrogen Sensing with Plasmon Red Shifts Reaching â‰ˆ140 nm at 2 vol% Hydrogen Concentration. Advanced Optical Materials, 2017, 5, 1700740.	7.3	34
112	Largeâ€Area Patterning of Metal Nanostructures by Dipâ€Pen Nanodisplacement Lithography for Optical Applications. Small, 2017, 13, 1702003.	10.0	29
113	Realization of Red Plasmon Shifts up to â‰¥900 nm by AgPd-Tipping Elongated Au Nanocrystals. Journal of the American Chemical Society, 2017, 139, 13837-13846.	13.7	96
114	Dielectric nanoresonators for light manipulation. Physics Reports, 2017, 701, 1-50.	25.6	145
115	Ultravioletâ€“Visible Chiroptical Activity of Aluminum Nanostructures. Small, 2017, 13, 1701112.	10.0	29
116	Deep Fano resonance with strong polarization dependence in gold nanoplateâ€“nanosphere heterodimers. Nanoscale, 2017, 9, 13222-13234.	5.6	17
117	Functional Metal Nanocrystals for Biomedical Applications. , 2017, , 809-840.		1
118	Gold/Ceria Nanostructures for Plasmon-Enhanced Catalytic Reactions Under Visible Light. ECS Meeting Abstracts, 2017, , .	0.0	0
119	(Invited) Plasmonic Driving of Chemical Reactions. ECS Meeting Abstracts, 2017, , .	0.0	0
120	Localized and Continuous Tuning of Monolayer MoS₂ Photoluminescence Using a Single Shapeâ€Controlled Ag Nanoantenna. Advanced Materials, 2016, 28, 701-706.	21.0	73
121	Colloidal Gold Nanocups with Orientationâ€Dependent Plasmonic Properties. Advanced Materials, 2016, 28, 6322-6331.	21.0	74
122	Highly sensitive and uniform surface-enhanced Raman spectroscopy from grating-integrated plasmonic nanograss. Nanoscale Horizons, 2016, 1, 290-297.	8.0	30
123	A Chemical Approach To Break the Planar Configuration of Ag Nanocubes into Tunable Two-Dimensional Metasurfaces. Nano Letters, 2016, 16, 3872-3878.	9.1	61
124	Role of shape in substrate-induced plasmonic shift and mode uncovering on gold nanocrystals. Nanoscale, 2016, 8, 17645-17657.	5.6	45
125	Plasmon-assisted Chemical Reactions. World Scientific Series in Nanoscience and Nanotechnology, 2016, , 155-193.	0.1	1
126	Gold Nanocups: Colloidal Gold Nanocups with Orientationâ€Dependent Plasmonic Properties (Adv.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	21.0	4

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127	Room temperature synthesis of a highly active Cu/Cu₂O photocathode for photoelectrochemical water splitting. Journal of Materials Chemistry A, 2016, 4, 13736-13741.	10.3	43
128	Thickness Control Produces Gold Nanoplates with Their Plasmon in the Visible and Nearâ€Infrared Regions. Advanced Optical Materials, 2016, 4, 76-85.	7.3	91
129	Ultrasmall Mode Volumes in Plasmonic Cavities of Nanoparticleâ€Onâ€Mirror Structures. Small, 2016, 12, 5190-5199.	10.0	53
130	Plasmon Modes Induced by Anisotropic Gap Opening in Au@Cu₂O Nanorods. Small, 2016, 12, 4264-4276.	10.0	28
131	Porous Pt Nanoparticles with High Nearâ€Infrared Photothermal Conversion Efficiencies for Photothermal Therapy. Advanced Healthcare Materials, 2016, 5, 3165-3172.	7.6	71
132	Gold Nanobipyramidâ€Supported Silver Nanostructures with Narrow Plasmon Linewidths and Improved Chemical Stability. Advanced Functional Materials, 2016, 26, 341-352.	14.9	119
133	Chemically functionalized graphene/polymer nanocomposites as light heating platform. Polymer Composites, 2016, 37, 1350-1358.	4.6	15
134	Au/Ag coreâ€“shell nanocuboids for high-efficiency organic solar cells with broadband plasmonic enhancement. Energy and Environmental Science, 2016, 9, 898-905.	30.8	127
135	Highly enhanced transverse plasmon resonance and tunable double Fano resonances in gold@titania nanorods. Nanoscale, 2016, 8, 6514-6526.	5.6	25
136	Colloidal Moderateâ€Refractiveâ€Index Cu₂O Nanospheres as Visibleâ€Region Nanoantennas with Electromagnetic Resonance and Directional Lightâ€Scattering Properties. Advanced Materials, 2015, 27, 7432-7439.	21.0	102
137	Aerosol-spray diverse mesoporous metal oxides from metal nitrates. Scientific Reports, 2015, 5, 9923.	3.3	42
138	Production of Monodisperse Gold Nanobipyramids with Number Percentages Approaching 100% and Evaluation of Their Plasmonic Properties. Advanced Optical Materials, 2015, 3, 801-812.	7.3	215
139	A wide-spectrum-responsive TiO 2 photoanode for photoelectrochemical cells. Applied Catalysis B: Environmental, 2015, 168-169, 483-489.	20.2	27
140	Synthesis of Absorption-Dominant Small Gold Nanorods and Their Plasmonic Properties. Langmuir, 2015, 31, 7418-7426.	3.5	76
141	Gold Nanobipyramid-Directed Growth of Length-Variable Silver Nanorods with Multipolar Plasmon Resonances. ACS Nano, 2015, 9, 7523-7535.	14.6	135
142	Switching plasmon coupling through the formation of dimers from polyaniline-coated gold nanospheres. Nanoscale, 2015, 7, 12516-12526.	5.6	32
143	Nanoscale surface chemistry directs the tunable assembly of silver octahedra into three two-dimensional plasmonic superlattices. Nature Communications, 2015, 6, 6990.	12.8	137
144	Dislocated Double-Layered Metal Gratings: Refractive Index Sensors with High Figure of Merit. Plasmonics, 2015, 10, 1489-1497.	3.4	12

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145	Comparison of the plasmonic performances between lithographically fabricated and chemically grown gold nanorods. Physical Chemistry Chemical Physics, 2015, 17, 10861-10870.	2.8	46
146	Unusual and Tunable One-Photon Nonlinearity in Gold-Dye Plexcitonic Fano Systems. Nano Letters, 2015, 15, 2705-2710.	9.1	59
147	Effects of crystallographic facet-specific peptide adsorption along single ZnO nanorods on the characteristic fluorescence intensification on nanorod ends (FINE) phenomenon. Nanoscale, 2015, 7, 18813-18826.	5.6	7
148	Insight into factors affecting the presence, degree, and temporal stability of fluorescence intensification on ZnO nanorod ends. Nanoscale, 2015, 7, 1424-1436.	5.6	22
149	Functional Metal Nanocrystals for Biomedical Applications. , 2015, , 1-32.		0
150	Hong Kong: An R&D Hub in Asia for Materials Science and Engineering. Advanced Materials, 2014, 26, 5235-5238.	21.0	0
151	Ultrasensitive Plasmonic Response of Bimetallic Au/Pd Nanostructures to Hydrogen. Advanced Functional Materials, 2014, 24, 7328-7337.	14.9	61
152	Photon energy upconversion through thermal radiation with the power efficiency reaching 16%. Nature Communications, 2014, 5, 5669.	12.8	111
153	Growth of Monodisperse Gold Nanospheres with Diameters from 20 nm to 220 nm and Their Core/Satellite Nanostructures. Advanced Optical Materials, 2014, 2, 65-73.	7.3	158
154	Metal/Semiconductor Hybrid Nanostructures for Plasmonâ€Enhanced Applications. Advanced Materials, 2014, 26, 5274-5309.	21.0	926
155	Nanoantennaâ€Sandwiched Graphene with Giant Spectral Tuning in the Visibleâ€toâ€Nearâ€Infrared Region. Advanced Optical Materials, 2014, 2, 162-170.	7.3	39
156	Macroscale Colloidal Noble Metal Nanocrystal Arrays and Their Refractive Indexâ€Based Sensing Characteristics. Small, 2014, 10, 802-811.	10.0	59
157	Ultrasonic aerosol spray-assisted preparation of TiO2/In2O3 composite for visible-light-driven photocatalysis. Journal of Catalysis, 2014, 310, 84-90.	6.2	43
158	Bifunctional Au@Pt coreâ€“shell nanostructures for in situ monitoring of catalytic reactions by surface-enhanced Raman scattering spectroscopy. Nanoscale, 2014, 6, 9063-9070.	5.6	81
159	Photocurrent Enhancement of HgTe Quantum Dot Photodiodes by Plasmonic Gold Nanorod Structures. ACS Nano, 2014, 8, 8208-8216.	14.6	116
160	(Gold Core)@(Ceria Shell) Nanostructures for Plasmon-Enhanced Catalytic Reactions under Visible Light. ACS Nano, 2014, 8, 8152-8162.	14.6	230
161	(Gold core)/(titania shell) nanostructures for plasmon-enhanced photon harvesting and generation of reactive oxygen species. Energy and Environmental Science, 2014, 7, 3431-3438.	30.8	180
162	Cellular uptake behaviour, photothermal therapy performance, and cytotoxicity of gold nanorods with various coatings. Nanoscale, 2014, 6, 11462-11472.	5.6	92

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163	(Gold Nanorod Core)/(Polyaniline Shell) Plasmonic Switches with Large Plasmon Shifts and Modulation Depths. Advanced Materials, 2014, 26, 3282-3289.	21.0	129
164	Nanoplasmonics. Chemical Society Reviews, 2014, 43, 3820.	38.1	107
165	Plasmonic gold mushroom arrays with refractive index sensing figures of merit approaching the theoretical limit. Nature Communications, 2013, 4, 2381.	12.8	612
166	Correlating the Plasmonic and Structural Evolutions during the Sulfidation of Silver Nanocubes. ACS Nano, 2013, 7, 9354-9365.	14.6	57
167	The use of femto-second lasers to trigger powerful explosions of gold nanorods to destroy cancer cells. Biomaterials, 2013, 34, 6157-6162.	11.4	25
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