

Hongwei Duan

List of Publications by Year in descending order

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157
papers

17,206
citations

11608

70
h-index

13727

129
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158
all docs

158
docs citations

158
times ranked

23371
citing authors

#	ARTICLE	IF	CITATIONS
1	Bioconjugated quantum dots for in vivo molecular and cellular imaging. <i>Advanced Drug Delivery Reviews</i> , 2008, 60, 1226-1240.	6.6	1,067
2	Molecular afterglow imaging with bright, biodegradable polymer nanoparticles. <i>Nature Biotechnology</i> , 2017, 35, 1102-1110.	9.4	753
3	High-Performance Asymmetric Supercapacitor Based on Graphene Hydrogel and Nanostructured MnO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 2801-2810.	4.0	681
4	Mussel-Inspired Synthesis of Polydopamine-Functionalized Graphene Hydrogel as Reusable Adsorbents for Water Purification. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 425-432.	4.0	633
5	Cell-Penetrating Quantum Dots Based on Multivalent and Endosome-Disrupting Surface Coatings. <i>Journal of the American Chemical Society</i> , 2007, 129, 3333-3338.	6.6	440
6	Directing Self-Assembly of Nanoparticles at Water/Oil Interfaces. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 5639-5642.	7.2	418
7	A systematic examination of surface coatings on the optical and chemical properties of semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2006, 8, 3895.	1.3	413
8	Self-Assembled Plasmonic Vesicles of SERS-Encoded Amphiphilic Gold Nanoparticles for Cancer Cell Targeting and Traceable Intracellular Drug Delivery. <i>Journal of the American Chemical Society</i> , 2012, 134, 13458-13469.	6.6	407
9	Etching Colloidal Gold Nanocrystals with Hyperbranched and Multivalent Polymers: A New Route to Fluorescent and Water-Soluble Atomic Clusters. <i>Journal of the American Chemical Society</i> , 2007, 129, 2412-2413.	6.6	380
10	One-Step Electrochemical Synthesis of PtNi Nanoparticle-Graphene Nanocomposites for Nonenzymatic Amperometric Glucose Detection. <i>ACS Applied Materials & Interfaces</i> , 2011, 3, 3049-3057.	4.0	357
11	Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. <i>Biomaterials</i> , 2011, 32, 9758-9765.	5.7	320
12	Single Chain Epidermal Growth Factor Receptor Antibody Conjugated Nanoparticles for in vivo Tumor Targeting and Imaging. <i>Small</i> , 2009, 5, 235-243.	5.2	315
13	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. <i>ACS Nano</i> , 2018, 12, 2643-2651.	7.3	294
14	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. <i>Nature Communications</i> , 2020, 11, 1857.	5.8	294
15	Magnetic Colloidosomes Derived from Nanoparticle Interfacial Self-Assembly. <i>Nano Letters</i> , 2005, 5, 949-952.	4.5	264
16	Flexible All-Solid-State Asymmetric Supercapacitors Based on Free-Standing Carbon Nanotube/Graphene and Mn ₃ O ₄ Nanoparticle/Graphene Paper Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2012, 4, 7020-7026.	4.0	256
17	Growth of Metal-Metal Oxide Nanostructures on Freestanding Graphene Paper for Flexible Biosensors. <i>Advanced Functional Materials</i> , 2012, 22, 2487-2494.	7.8	246
18	Plasmonic Vesicles of Amphiphilic Gold Nanocrystals: Self-Assembly and External-Stimuli-Triggered Destruction. <i>Journal of the American Chemical Society</i> , 2011, 133, 10760-10763.	6.6	245

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19	Reexamining the Effects of Particle Size and Surface Chemistry on the Magnetic Properties of Iron Oxide Nanocrystals: New Insights into Spin Disorder and Proton Relaxivity. <i>Journal of Physical Chemistry C</i> , 2008, 112, 8127-8131.	1.5	233
20	Cationic Peptidopolysaccharides Show Excellent Broad-Spectrum Antimicrobial Activities and High Selectivity. <i>Advanced Materials</i> , 2012, 24, 4130-4137.	11.1	226
21	Versatile Core-Shell Nanoparticle@Metal-Organic Framework Nanohybrids: Exploiting Mussel-Inspired Polydopamine for Tailored Structural Integration. <i>ACS Nano</i> , 2015, 9, 6951-6960.	7.3	223
22	Coating Graphene Paper with 2D-Assembly of Electrocatalytic Nanoparticles: A Modular Approach toward High-Performance Flexible Electrodes. <i>ACS Nano</i> , 2012, 6, 100-110.	7.3	203
23	Interfacial Assembly of Mussel-Inspired Au@Ag@ Polydopamine Core-Shell Nanoparticles for Recyclable Nanocatalysts. <i>Advanced Materials</i> , 2014, 26, 701-705.	11.1	196
24	Real-time electrochemical detection of hydrogen peroxide secretion in live cells by Pt nanoparticles decorated graphene-carbon nanotube hybrid paper electrode. <i>Biosensors and Bioelectronics</i> , 2015, 68, 358-364.	5.3	195
25	2D nanomaterials based electrochemical biosensors for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2017, 89, 136-151.	5.3	191
26	The water/oil interface: the emerging horizon for self-assembly of nanoparticles. <i>Soft Matter</i> , 2005, 1, 412.	1.2	180
27	Biodegradable Theranostic Plasmonic Vesicles of Amphiphilic Gold Nanorods. <i>ACS Nano</i> , 2013, 7, 9947-9960.	7.3	176
28	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 18021-18028.	4.0	176
29	SERS-Encoded Nanogapped Plasmonic Nanoparticles: Growth of Metallic Nanoshell by Templating Redox-Active Polymer Brushes. <i>Journal of the American Chemical Society</i> , 2014, 136, 6838-6841.	6.6	174
30	2D and 3D graphene materials: Preparation and bioelectrochemical applications. <i>Biosensors and Bioelectronics</i> , 2015, 65, 404-419.	5.3	172
31	A corrosion-protective coating based on a solution-processable polymer-grafted graphene oxide nanocomposite. <i>Corrosion Science</i> , 2015, 98, 500-506.	3.0	168
32	SERS-Active Nanoparticles for Sensitive and Selective Detection of Cadmium Ion (Cd ²⁺). <i>Chemistry of Materials</i> , 2011, 23, 4756-4764.	3.2	167
33	Plasmonic Vesicles of Amphiphilic Nanocrystals: Optically Active Multifunctional Platform for Cancer Diagnosis and Therapy. <i>Accounts of Chemical Research</i> , 2015, 48, 2506-2515.	7.6	161
34	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2227-2230.	7.2	155
35	Molecular Imaging of Pancreatic Cancer in an Animal Model Using Targeted Multifunctional Nanoparticles. <i>Gastroenterology</i> , 2009, 136, 1514-1525.e2.	0.6	152
36	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 9155-9159.	7.2	147

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37	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , 2016, 10, 3622-3629.	7.3	145
38	Self-Assembly of Unlike Homopolymers into Hollow Spheres in Nonselective Solvent. <i>Journal of the American Chemical Society</i> , 2001, 123, 12097-12098.	6.6	143
39	Growth of coral-like PtAu-MnO ₂ binary nanocomposites on free-standing graphene paper for flexible nonenzymatic glucose sensors. <i>Biosensors and Bioelectronics</i> , 2013, 41, 417-423.	5.3	142
40	Janus Nanoparticles: From Fabrication to (Bio)Applications. <i>ACS Nano</i> , 2021, 15, 6147-6191.	7.3	140
41	Lateral Flow Immunoassay Based on Polydopamine-Coated Gold Nanoparticles for the Sensitive Detection of Zearalenone in Maize. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 31283-31290.	4.0	132
42	Quantum Dots with Phenylboronic Acid Tags for Specific Labeling of Sialic Acids on Living Cells. <i>Analytical Chemistry</i> , 2011, 83, 1124-1130.	3.2	128
43	Cytotoxicity Evaluation of Oxidized Single-Walled Carbon Nanotubes and Graphene Oxide on Human Hepatoma HepG2 cells: An iTRAQ-Coupled 2D LC-MS/MS Proteome Analysis. <i>Toxicological Sciences</i> , 2012, 126, 149-161.	1.4	128
44	Nanotransducers for Near-Infrared Photoregulation in Biomedicine. <i>Advanced Materials</i> , 2019, 31, e1901607.	11.1	125
45	Flexible 3D Nanoporous Graphene for Desalination and Bio-decontamination of Brackish Water via Asymmetric Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 25313-25325.	4.0	123
46	Responsive Plasmonic Assemblies of Amphiphilic Nanocrystals at Oil-Water Interfaces. <i>ACS Nano</i> , 2010, 4, 6098-6104.	7.3	120
47	Large-Scale Noniridescent Structural Color Printing Enabled by Infiltration-Driven Nonequilibrium Colloidal Assembly. <i>Advanced Materials</i> , 2018, 30, 1705667.	11.1	117
48	Growth of Copper Nanocubes on Graphene Paper as Free-Standing Electrodes for Direct Hydrazine Fuel Cells. <i>Journal of Physical Chemistry C</i> , 2012, 116, 7719-7725.	1.5	114
49	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. <i>Chemical Science</i> , 2016, 7, 5118-5125.	3.7	113
50	Block Copolymer Nanoparticles Remove Biofilms of Drug-Resistant Gram-Positive Bacteria by Nanoscale Bacterial Debridement. <i>Nano Letters</i> , 2018, 18, 4180-4187.	4.5	113
51	Immobilizing CdS quantum dots and dendritic Pt nanocrystals on thiolated graphene nanosheets toward highly efficient photocatalytic H ₂ evolution. <i>Nanoscale</i> , 2013, 5, 9830.	2.8	110
52	Polydopamine-Enabled Approach toward Tailored Plasmonic Nanogapped Nanoparticles: From Nanogap Engineering to Multifunctionality. <i>ACS Nano</i> , 2016, 10, 11066-11075.	7.3	109
53	Freestanding graphene paper decorated with 2D-assembly of Au@Pt nanoparticles as flexible biosensors to monitor live cell secretion of nitric oxide. <i>Biosensors and Bioelectronics</i> , 2013, 49, 71-78.	5.3	108
54	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8110-8114.	7.2	107

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55	From structures to functions: insights into exosomes as promising drug delivery vehicles. <i>Biomaterials Science</i> , 2016, 4, 910-921.	2.6	105
56	High-Performance Capacitive Deionization Disinfection of Water with Graphene Oxide- <i>graft</i> -Quaternized Chitosan Nanohybrid Electrode Coating. <i>ACS Nano</i> , 2015, 9, 10142-57.	7.3	95
57	Magnetic nanochain integrated microfluidic biochips. <i>Nature Communications</i> , 2018, 9, 1743.	5.8	94
58	In Vivo Anti-Biofilm and Anti-Bacterial Non-Leachable Coating Thermally Polymerized on Cylindrical Catheter. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 36269-36280.	4.0	93
59	Charge-Reversal Polymer Nano-Modulators for Photodynamic Immunotherapy of Cancer. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 19355-19363.	7.2	90
60	Transdermal Delivery of Anti-Obesity Compounds to Subcutaneous Adipose Tissue with Polymeric Microneedle Patches. <i>Small Methods</i> , 2017, 1, 1700269.	4.6	88
61	Enantiomeric glycosylated cationic block co-beta-peptides eradicate <i>Staphylococcus aureus</i> biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019, 10, 4792.	5.8	88
62	A core/shell structured tubular graphene nanoflake-coated polypyrrole hybrid for all-solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3913-3918.	5.2	87
63	Nanomaterial based electrochemical sensors for in vitro detection of small molecule metabolites. <i>Biotechnology Advances</i> , 2016, 34, 234-249.	6.0	86
64	Block-Copolymer-Free Strategy for Preparing Micelles and Hollow Spheres: Self-Assembly of Poly(4-vinylpyridine) and Modified Polystyrene. <i>Macromolecules</i> , 2002, 35, 5980-5989.	2.2	81
65	Multifunctional Magnetic Nanochains: Exploiting Self-Polymerization and Versatile Reactivity of Mussel-Inspired Polydopamine. <i>Chemistry of Materials</i> , 2015, 27, 3071-3076.	3.2	81
66	Directing Self-Assembly of Nanoparticles at Water/Oil Interfaces. <i>Angewandte Chemie</i> , 2004, 116, 5757-5760.	1.6	80
67	Photolabile plasmonic vesicles assembled from amphiphilic gold nanoparticles for remote-controlled traceable drug delivery. <i>Nanoscale</i> , 2013, 5, 5816-5824.	2.8	76
68	Colloidally Stable Amphibious Nanocrystals Derived from Poly[[2-(dimethylamino)ethyl] Methacrylate} Capping. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 1717-1720.	7.2	75
69	Self-Assembled Plasmonic Dimers of Amphiphilic Gold Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2011, 2, 2258-2262.	2.1	74
70	Printing graphene-carbon nanotube-ionic liquid gel on graphene paper: Towards flexible electrodes with efficient loading of PtAu alloy nanoparticles for electrochemical sensing of blood glucose. <i>Analytica Chimica Acta</i> , 2016, 903, 61-68.	2.6	72
71	Self-Assembly of Rigid and Coil Polymers into Hollow Spheres in Their Common Solvent. <i>Journal of Physical Chemistry B</i> , 2004, 108, 550-555.	1.2	68
72	One-step synthesis of three-dimensional porous ionic liquid-carbon nanotube-graphene gel and MnO ₂ -graphene gel as freestanding electrodes for asymmetric supercapacitors. <i>RSC Advances</i> , 2015, 5, 10178-10186.	1.7	68

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73	Ultrasonic-electrodeposition of PtPd alloy nanoparticles on ionic liquid-functionalized graphene paper: towards a flexible and versatile nanohybrid electrode. <i>Nanoscale</i> , 2016, 8, 1523-1534.	2.8	68
74	Nanoparticles of Short Cationic Peptidopolysaccharide Self-Assembled by Hydrogen Bonding with Antibacterial Effect against Multidrug-Resistant Bacteria. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 38288-38303.	4.0	67
75	Sandwich-structured nanohybrid paper based on controllable growth of nanostructured MnO ₂ on ionic liquid functionalized graphene paper as a flexible supercapacitor electrode. <i>Nanoscale</i> , 2015, 7, 7790-7801.	2.8	63
76	A Glycosylated Cationic Block Poly(β-peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6819-6826.	7.2	63
77	Plasmonic-Fluorescent Janus Ag/Ag ₂ S Nanoparticles for <i>In Situ</i> H ₂ O ₂ -Activated NIR-II Fluorescence Imaging. <i>Nano Letters</i> , 2021, 21, 2625-2633.	4.5	62
78	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , 2017, 13, 1700798.	5.2	60
79	Stimuli-responsive plasmonic core-satellite assemblies: i-motif DNA linker enabled intracellular pH sensing. <i>Chemical Communications</i> , 2013, 49, 5739.	2.2	56
80	Graphene Paper Decorated with a 2D Array of Dendritic Platinum Nanoparticles for Ultrasensitive Electrochemical Detection of Dopamine Secreted by Live Cells. <i>Chemistry - A European Journal</i> , 2016, 22, 5204-5210.	1.7	55
81	Structural Transformation of Cytochrome c and Apo Cytochrome c Induced by Sulfonated Polystyrene. <i>Biomacromolecules</i> , 2003, 4, 1293-1300.	2.6	54
82	pH-Responsive Capsules Derived from Nanocrystal Templating. <i>Langmuir</i> , 2005, 21, 11495-11499.	1.6	54
83	Surface enhanced Raman scattering by graphene-nanosheet-gapped plasmonic nanoparticle arrays for multiplexed DNA detection. <i>Nanoscale</i> , 2015, 7, 12606-12613.	2.8	54
84	Three-dimensional graphene biointerface with extremely high sensitivity to single cancer cell monitoring. <i>Biosensors and Bioelectronics</i> , 2018, 105, 22-28.	5.3	54
85	Mesoporous polydopamine with built-in plasmonic core: Traceable and NIR triggered delivery of functional proteins. <i>Biomaterials</i> , 2020, 238, 119847.	5.7	54
86	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. <i>Angewandte Chemie</i> , 2017, 129, 9283-9287.	1.6	52
87	Synthesis and Antibacterial Study of Sulfobetaine/Quaternary Ammonium-Modified Star-Shaped Poly[2-(dimethylamino)ethyl methacrylate]-Based Copolymers with an Inorganic Core. <i>Biomacromolecules</i> , 2017, 18, 44-55.	2.6	51
88	Hydrogel Effects Rapid Biofilm Debridement with ex situ Contact-Kill to Eliminate Multidrug Resistant Bacteria in vivo. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 20356-20367.	4.0	51
89	Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 114, 151-170.	5.8	51
90	Quantum Dots with Multivalent and Compact Polymer Coatings for Efficient Fluorescence Resonance Energy Transfer and Self-Assembled Biotagging. <i>Chemistry of Materials</i> , 2010, 22, 4372-4378.	3.2	50

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91	High Refractive Index Inorganic-Organic Interpenetrating Polymer Network (IPN) Hydrogel Nanocomposite toward Artificial Cornea Implants. <i>ACS Macro Letters</i> , 2012, 1, 876-881.	2.3	48
92	Biocompatible Polysiloxane-Containing Diblock Copolymer PEO- <i>b</i> -P β MPS for Coating Magnetic Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2009, 1, 2134-2140.	4.0	46
93	Structural Factors of Rigid-Coil Polymer Pairs Influencing Their Self-Assembly in Common Solvent. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16023-16029.	1.2	45
94	A Self-Assembled Plasmonic Substrate for Enhanced Fluorescence Resonance Energy Transfer. <i>Advanced Materials</i> , 2020, 32, e1906475.	11.1	45
95	Proton-resistant quantum dots: Stability in gastrointestinal fluids and implications for oral delivery of nanoparticle agents. <i>Nano Research</i> , 2009, 2, 500-508.	5.8	44
96	Cationic polycarbonate-grafted superparamagnetic nanoparticles with synergistic dual-modality antimicrobial activity. <i>Biomaterials Science</i> , 2016, 4, 871-879.	2.6	42
97	pH-dependent multiple morphologies of novel aggregates of carboxyl-terminated polyimide in water. <i>European Physical Journal E</i> , 2004, 15, 211-215.	0.7	41
98	Localized Degradation of Neutrophil Extracellular Traps by Photoregulated Enzyme Delivery for Cancer Immunotherapy and Metastasis Suppression. <i>ACS Nano</i> , 2022, 16, 2585-2597.	7.3	41
99	A novel approach to polymeric hollow nanospheres with stabilized structure Electronic supplementary information (ESI) available: experimental details. See http://www.rsc.org/suppdata/cc/b2/b210851h/ . <i>Chemical Communications</i> , 2003, , 496-497.	2.2	40
100	Metabolic Labeling Mediated Targeting and Thermal Killing of Gram-Positive Bacteria by Self-Reporting Janus Magnetic Nanoparticles. <i>Small</i> , 2021, 17, e2006357.	5.2	40
101	In situ synthesis of large-area single sub-10 nm nanoparticle arrays by polymer pen lithography. <i>Nanoscale</i> , 2014, 6, 749-752.	2.8	39
102	Robust Nanoparticle-DNA Conjugates Based on Mussel-Inspired Polydopamine Coating for Cell Imaging and Tailored Self-Assembly. <i>Bioconjugate Chemistry</i> , 2016, 27, 815-823.	1.8	39
103	In Vitro and In Vivo Photothermal Cancer Therapeutic Effects of Gold Nanorods Modified with Mushroom β -Glucan. <i>Journal of Agricultural and Food Chemistry</i> , 2018, 66, 4091-4098.	2.4	39
104	Photoactive Nanocarriers for Controlled Delivery. <i>Advanced Functional Materials</i> , 2020, 30, 1903896.	7.8	38
105	Functionalized MXene Enabled Sustainable Water Harvesting and Desalination. <i>Advanced Sustainable Systems</i> , 2020, 4, 2000102.	2.7	36
106	A synergistic optical strategy for enhanced deep-tumor penetration and therapy in the second near-infrared window. <i>Materials Horizons</i> , 2020, 7, 2929-2935.	6.4	33
107	Improving the performance of upconversion nanoprobe-based lateral flow immunoassays by supramolecular self-assembly core/shell strategies. <i>Sensors and Actuators B: Chemical</i> , 2020, 318, 128233.	4.0	33
108	Synthesis of amphiphilic block-graft copolymers [poly(styrene- <i>b</i> -ethylene-co-butylene- <i>b</i> -styrene)- <i>g</i> -poly(acrylic acid)] and their aggregation in water. <i>Journal of Polymer Science Part A</i> , 2002, 40, 1253-1266.	2.5	31

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109	Stable and Biocompatible Mushroom β -Glucan Modified Gold Nanorods for Cancer Photothermal Therapy. <i>Journal of Agricultural and Food Chemistry</i> , 2017, 65, 9529-9536.	2.4	30
110	Zwitterionic Polymer Modified Porous Carbon for High-Performance and Antifouling Capacitive Desalination. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 33564-33573.	4.0	27
111	Responsive Amorphous Photonic Structures of Spherical/Polyhedral Colloidal Metal-Organic Frameworks. <i>Advanced Optical Materials</i> , 2019, 7, 1900522.	3.6	27
112	Incorporating nanoporous polyaniline into layer-by-layer ionic liquid-carbon nanotube-graphene paper: towards freestanding flexible electrodes with improved supercapacitive performance. <i>Nanotechnology</i> , 2015, 26, 374002.	1.3	26
113	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. <i>Angewandte Chemie</i> , 2017, 129, 8222-8226.	1.6	25
114	Functional Macromolecule-Enabled Colloidal Synthesis: From Nanoparticle Engineering to Multifunctionality. <i>Advanced Materials</i> , 2019, 31, e1902733.	11.1	25
115	Mussel-Inspired Dual-Superlyophobic Biomass Membranes for Selective Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2020, 7, 1901756.	1.9	25
116	Evaluation of Controlled Release Urea on the Dynamics of Nitrate, Ammonium, and Its Nitrogen Release in Black Soils of Northeast China. <i>International Journal of Environmental Research and Public Health</i> , 2018, 15, 119.	1.2	23
117	Silver nanoprism-based plasmonic ELISA for sensitive detection of fluoroquinolones. <i>Journal of Materials Chemistry B</i> , 2020, 8, 3667-3675.	2.9	22
118	Magnetic nanochains-based dynamic ELISA for rapid and ultrasensitive detection of acute myocardial infarction biomarkers. <i>Analytica Chimica Acta</i> , 2021, 1166, 338567.	2.6	22
119	Flexible Bioinspired Ternary Nanocomposites Based on Carboxymethyl Cellulose/Nanoclay/Graphene Oxide. <i>ACS Applied Polymer Materials</i> , 2019, 1, 1505-1513.	2.0	21
120	Universal and Switchable Omni-Repellency of Liquid-Infused Surfaces for On-Demand Separation of Multiphase Liquid Mixtures. <i>ACS Nano</i> , 2021, 15, 6977-6986.	7.3	20
121	Rapid fabrication of complex nanostructures using room-temperature ultrasonic nanoimprinting. <i>Nature Communications</i> , 2021, 12, 3146.	5.8	20
122	Bioinspired Production of Noniridescent Structural Colors by Adhesive Melanin-like Particles. <i>Langmuir</i> , 2019, 35, 9878-9884.	1.6	19
123	Electrochemical Microfluidic Multiplexed Bioanalysis by a Highly Active Bottlebrush-like Nanocarbon Microelectrode. <i>Analytical Chemistry</i> , 2022, 94, 4463-4473.	3.2	19
124	Antibacterial properties of synthesized cyclic and linear cationic copolymers. <i>Polymer Chemistry</i> , 2020, 11, 6632-6639.	1.9	18
125	Intracellular and Cellular Detection by SERS-Active Plasmonic Nanostructures. <i>ChemBioChem</i> , 2019, 20, 2432-2441.	1.3	16
126	Hierarchical Graphene/Metal-Organic Framework Composites with Tailored Wettability for Separation of Immiscible Liquids. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 35563-35571.	4.0	16

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127	Quantitative Analysis of Major Metals in Agricultural Biochar Using Laser-Induced Breakdown Spectroscopy with an Adaboost Artificial Neural Network Algorithm. <i>Molecules</i> , 2019, 24, 3753.	1.7	15
128	Polydopamine-mediated synthesis of core-shell gold@calcium phosphate nanoparticles for enzyme immobilization. <i>Biomaterials Science</i> , 2019, 7, 2841-2849.	2.6	15
129	Dynamic Magnetic Nanomixers for Improved Microarray Assays by Eliminating Diffusion Limitation. <i>Advanced Healthcare Materials</i> , 2019, 8, e1801022.	3.9	15
130	Smart Sensing Based on DNA-Metal Interaction Enables a Label-Free and Resettable Security Model of Electrochemical Molecular Keypad Lock. <i>ACS Sensors</i> , 2018, 3, 54-58.	4.0	14
131	Nacre Mimetic with Embedded Silver Nanowire for Resistive Heating. <i>ACS Applied Nano Materials</i> , 2018, 1, 940-952.	2.4	14
132	Raman-encoded, multivalent glycan-nanoconjugates for traceable specific binding and killing of bacteria. <i>Biomaterials Science</i> , 2018, 6, 1339-1346.	2.6	14
133	Glycosylated Copper Sulfide Nanocrystals for Targeted Photokilling of Bacteria in the Near-Infrared II Window. <i>Advanced Therapeutics</i> , 2019, 2, 1900052.	1.6	14
134	Molecular complexes of calf thymus DNA with various bioactive compounds: Formation and characterization. <i>International Journal of Biological Macromolecules</i> , 2021, 168, 775-783.	3.6	14
135	Hierarchical Disordered Colloidal Thin Films with Duplex Optical Elements for Advanced Anti-Counterfeiting Coding. <i>Advanced Optical Materials</i> , 2020, 8, 2001378.	3.6	12
136	Labeling and Tracking P2 Purinergic Receptors in Living Cells Using ATP-Conjugated Quantum Dots. <i>Advanced Functional Materials</i> , 2011, 21, 2776-2780.	7.8	11
137	Homoepitaxial growth on semiconductor nanocrystals for efficient and stable visible-light photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2017, 9, 17794-17801.	2.8	11
138	Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. <i>Materials Chemistry Frontiers</i> , 2017, 1, 152-157.	3.2	11
139	Self-Assembly of Polymer-Coated Plasmonic Nanocrystals: From Synthetic Approaches to Practical Applications. <i>Macromolecular Rapid Communications</i> , 2019, 40, e1800613.	2.0	11
140	A Glycosylated Cationic Block Poly(β -peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. <i>Angewandte Chemie</i> , 2020, 132, 6886-6893.	1.6	11
141	Charge-Reversal Polymer Nano-modulators for Photodynamic Immunotherapy of Cancer. <i>Angewandte Chemie</i> , 2021, 133, 19504-19512.	1.6	11
142	Colloidally Stable Amphibious Nanocrystals Derived from Poly{[2-(dimethylamino)ethyl] Methacrylate} Capping. <i>Angewandte Chemie</i> , 2005, 117, 1745-1748.	1.6	9
143	Fluorocarbon Modified Nitroxide: A New Electron Spin Resonance Spin Probe for Micellization of Surfactants. <i>Langmuir</i> , 2001, 17, 5685-5687.	1.6	8
144	Revisiting Metal Electrodeposition in Porous Anodic Alumina: Toward Tailored Preparation of Metal Nanotube Arrays. <i>Journal of the Electrochemical Society</i> , 2018, 165, D129-D134.	1.3	8

#	ARTICLE	IF	CITATIONS
145	Macromolecular assembly: from irregular aggregates to regular nanostructures. <i>Macromolecular Symposia</i> , 2003, 195, 165-170.	0.4	7
146	Size-Controllable Magnetic Iron Oxide Nanorods for Biomarker Targeting and Improving Microfluidic Mixing. <i>ACS Applied Bio Materials</i> , 2019, 2, 3362-3371.	2.3	7
147	Multienzyme nanoassemblies: from rational design to biomedical applications. <i>Biomaterials Science</i> , 2021, 9, 7323-7342.	2.6	7
148	Using Diphenylphosphoryl Azide (DPPA) for the Facile Synthesis of Biodegradable Antiseptic Random Copolypeptides. <i>Macromolecular Rapid Communications</i> , 2017, 38, 1600601.	2.0	6
149	Chemical processing of interfacially assembled metal nanowires for surface-enhanced Raman scattering detection of food contaminants. <i>Journal of Raman Spectroscopy</i> , 2021, 52, 532-540.	1.2	5
150	Polydopamine-Mediated Superlyophobic Polysiloxane Coating of Porous Substrates for Efficient Separation of Immiscible Liquids. <i>Advanced Materials Interfaces</i> , 2020, 7, 2000428.	1.9	4
151	Caging Cationic Polymer Brush-Coated Plasmonic Nanostructures for Traceable Selective Antimicrobial Activities. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100812.	2.0	4
152	Application of Graphene Oxide in Jet A-1 in Air to Enhance Combustion Process. , 2018, , .		1
153	Antibiofilm Activity of Gallium(III) Complexed Anionic Polymers in Combination with Antibiotics. <i>Macromolecular Rapid Communications</i> , 2021, 42, 2100255.	2.0	1
154	Nanobiointerfaces: a themed collection. <i>Biomaterials Science</i> , 2018, 6, 706-707.	2.6	0
155	Polymer-Enabled Self-Assembly of Plasmonic Nanostructures. , 2022, , 127-182.		0
156	Controlled Delivery. , 2022, , 525-553.		0
157	Biomedical Applications of Plasmonic Nanoparticles. , 2022, , 449-478.		0