

Hongwei Duan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

155
papers

14,260
citations

65
h-index

118
g-index

158
ext. papers

15,752
ext. citations

10.1
avg, IF

6.84
L-index

#	Paper	IF	Citations
155	Localized Degradation of Neutrophil Extracellular Traps by Photoregulated Enzyme Delivery for Cancer Immunotherapy and Metastasis Suppression.. <i>ACS Nano</i> , 2022 ,	16.7	4
154	Polymer-Enabled Self-Assembly of Plasmonic Nanostructures 2022 , 127-182		
153	Controlled Delivery 2022 , 525-553		
152	Caging Cationic Polymer Brush Coated Plasmonic Nanostructures for Traceable Selective Antimicrobial Activities.. <i>Macromolecular Rapid Communications</i> , 2022 , e2100812	4.8	0
151	Biomedical Applications of Plasmonic Nanoparticles 2022 , 449-478		
150	Plasmonic-Fluorescent Janus Ag/AgS Nanoparticles for HO-Activated NIR-II Fluorescence Imaging. <i>Nano Letters</i> , 2021 , 21, 2625-2633	11.5	18
149	Janus Nanoparticles: From Fabrication to (Bio)Applications. <i>ACS Nano</i> , 2021 , 15, 6147-6191	16.7	39
148	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	16.7	7
147	Rapid fabrication of complex nanostructures using room-temperature ultrasonic nanoimprinting. <i>Nature Communications</i> , 2021 , 12, 3146	17.4	5
146	Magnetic nanochains-based dynamic ELISA for rapid and ultrasensitive detection of acute myocardial infarction biomarkers. <i>Analytica Chimica Acta</i> , 2021 , 1166, 338567	6.6	3
145	Charge-Reversal Polymer Nano-modulators for Photodynamic Immunotherapy of Cancer. <i>Angewandte Chemie</i> , 2021 , 133, 19504-19512	3.6	2
144	Molecular complexes of calf thymus DNA with various bioactive compounds: Formation and characterization. <i>International Journal of Biological Macromolecules</i> , 2021 , 168, 775-783	7.9	3
143	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	2.3	2
142	Metabolic Labeling Mediated Targeting and Thermal Killing of Gram-Positive Bacteria by Self-Reporting Janus Magnetic Nanoparticles. <i>Small</i> , 2021 , 17, e2006357	11	17
141	Multienzyme nanoassemblies: from rational design to biomedical applications. <i>Biomaterials Science</i> , 2021 , 9, 7323-7342	7.4	1
140	Charge-Reversal Polymer Nano-modulators for Photodynamic Immunotherapy of Cancer. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 19355-19363	16.4	27
139	Antibiofilm Activity of Gallium(III) Complexed Anionic Polymers in Combination with Antibiotics. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100255	4.8	0

138	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	8.5	12
137	Functionalized MXene Enabled Sustainable Water Harvesting and Desalination. <i>Advanced Sustainable Systems</i> , 2020 , 4, 2000102	5.9	18
136	Hierarchical Graphene/Metal-Organic Framework Composites with Tailored Wettability for Separation of Immiscible Liquids. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 35563-35571	9.5	8
135	Mesoporous polydopamine with built-in plasmonic core: Traceable and NIR triggered delivery of functional proteins. <i>Biomaterials</i> , 2020 , 238, 119847	15.6	24
134	Silver nanoprism-based plasmonic ELISA for sensitive detection of fluoroquinolones. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 3667-3675	7.3	8
133	A Self-Assembled Plasmonic Substrate for Enhanced Fluorescence Resonance Energy Transfer. <i>Advanced Materials</i> , 2020 , 32, e1906475	24	20
132	Mussel-Inspired Dual-Superlyophobic Biomass Membranes for Selective Oil/Water Separation. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901756	4.6	16
131	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	3.6	3
130	Photoactive Nanocarriers for Controlled Delivery. <i>Advanced Functional Materials</i> , 2020 , 30, 1903896	15.6	24
129	Antibacterial properties of synthesized cyclic and linear cationic copolymers. <i>Polymer Chemistry</i> , 2020 , 11, 6632-6639	4.9	8
128	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	14.4	16
127	Hierarchical Disordered Colloidal Thin Films with Duplex Optical Elements for Advanced Anti-Counterfeiting Coding. <i>Advanced Optical Materials</i> , 2020 , 8, 2001378	8.1	6
126	Polydopamine-Mediated Superlyophobic Polysiloxane Coating of Porous Substrates for Efficient Separation of Immiscible Liquids. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000428	4.6	4
125	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. <i>Nature Communications</i> , 2020 , 11, 1857	17.4	199
124	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	16.4	35
123	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. <i>Nature Communications</i> , 2019 , 10, 4792	17.4	53
122	Glycosylated Copper Sulfide Nanocrystals for Targeted Photokilling of Bacteria in the Near-Infrared II Window. <i>Advanced Therapeutics</i> , 2019 , 2, 1900052	4.9	5
121	Nanotransducers for Near-Infrared Photoregulation in Biomedicine. <i>Advanced Materials</i> , 2019 , 31, e1901607	16.07	93

120	Flexible Bioinspired Ternary Nanocomposites Based on Carboxymethyl Cellulose/Nanoclay/Graphene Oxide. <i>ACS Applied Polymer Materials</i> , 2019 , 1, 1505-1513	4.3	11
119	Polydopamine-mediated synthesis of core-shell gold@calcium phosphate nanoparticles for enzyme immobilization. <i>Biomaterials Science</i> , 2019 , 7, 2841-2849	7.4	11
118	Responsive Amorphous Photonic Structures of Spherical/Polyhedral Colloidal Metal/Organic Frameworks. <i>Advanced Optical Materials</i> , 2019 , 7, 1900522	8.1	14
117	Intracellular and Cellular Detection by SERS-Active Plasmonic Nanostructures. <i>ChemBioChem</i> , 2019 , 20, 2432-2441	3.8	9
116	Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. <i>TrAC - Trends in Analytical Chemistry</i> , 2019 , 114, 151-170	14.6	34
115	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	9.5	67
114	Bioinspired Production of Noniridescent Structural Colors by Adhesive Melanin-like Particles. <i>Langmuir</i> , 2019 , 35, 9878-9884	4	13
113	Size-Controllable Magnetic Iron Oxide Nanorods for Biomarker Targeting and Improving Microfluidic Mixing.. <i>ACS Applied Bio Materials</i> , 2019 , 2, 3362-3371	4.1	4
112	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,	4.8	8
111	Functional Macromolecule-Enabled Colloidal Synthesis: From Nanoparticle Engineering to Multifunctionality. <i>Advanced Materials</i> , 2019 , 31, e1902733	24	21
110	Self-Assembly of Polymer-Coated Plasmonic Nanocrystals: From Synthetic Approaches to Practical Applications. <i>Macromolecular Rapid Communications</i> , 2019 , 40, e1800613	4.8	10
109	Dynamic Magnetic Nanomixers for Improved Microarray Assays by Eliminating Diffusion Limitation. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1801022	10.1	9
108	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	3.9	6
107	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	5.7	25
106	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. <i>ACS Nano</i> , 2018 , 12, 2643-2651	16.7	209
105	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	13	69
104	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	9.2	6
103	Large-Scale Noniridescent Structural Color Printing Enabled by Infiltration-Driven Nonequilibrium Colloidal Assembly. <i>Advanced Materials</i> , 2018 , 30, 1705667	24	86

102	Three-dimensional graphene biointerface with extremely high sensitivity to single cancer cell monitoring. <i>Biosensors and Bioelectronics</i> , 2018 , 105, 22-28	11.8	44
101	Nacre Mimetic with Embedded Silver Nanowire for Resistive Heating. <i>ACS Applied Nano Materials</i> , 2018 , 1, 940-952	5.6	12
100	Magnetic nanochain integrated microfluidic biochips. <i>Nature Communications</i> , 2018 , 9, 1743	17.4	60
99	Raman-encoded, multivalent glycan-nanoconjugates for traceable specific binding and killing of bacteria. <i>Biomaterials Science</i> , 2018 , 6, 1339-1346	7.4	13
98	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,	4.6	13
97	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18021-18028	9.5	120
96	Block Copolymer Nanoparticles Remove Biofilms of Drug-Resistant Gram-Positive Bacteria by Nanoscale Bacterial Debridement. <i>Nano Letters</i> , 2018 , 18, 4180-4187	11.5	81
95	Zwitterionic Polymer Modified Porous Carbon for High-Performance and Antifouling Capacitive Desalination. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 33564-33573	9.5	16
94	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	9.5	34
93	2D nanomaterials based electrochemical biosensors for cancer diagnosis. <i>Biosensors and Bioelectronics</i> , 2017 , 89, 136-151	11.8	147
92	Using Diphenylphosphoryl Azide (DPPA) for the Facile Synthesis of Biodegradable Antiseptic Random Copolypeptides. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600601	4.8	5
91	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. <i>Small</i> , 2017 , 13, 1700798	11	51
90	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. <i>Angewandte Chemie</i> , 2017 , 129, 9283-9287	3.6	47
89	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9155-9159	16.4	123
88	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	16.4	88
87	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	3.6	23
86	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	6.9	41
85	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	5.7	21

84	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	9.5	69
83	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	9.5	53
82	Transdermal Delivery of Anti-Obesity Compounds to Subcutaneous Adipose Tissue with Polymeric Microneedle Patches. <i>Small Methods</i> , 2017 , 1, 1700269	12.8	54
81	Molecular afterglow imaging with bright, biodegradable polymer nanoparticles. <i>Nature Biotechnology</i> , 2017 , 35, 1102-1110	44.5	571
80	Homoepitaxial growth on semiconductor nanocrystals for efficient and stable visible-light photocatalytic hydrogen evolution. <i>Nanoscale</i> , 2017 , 9, 17794-17801	7.7	7
79	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	7.8	10
78	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, 61-8	6.6	54
77	Ultrasonic-electrodeposition of PtPd alloy nanoparticles on ionic liquid-functionalized graphene paper: towards a flexible and versatile nanohybrid electrode. <i>Nanoscale</i> , 2016 , 8, 1523-34	7.7	63
76	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. <i>ACS Nano</i> , 2016 , 10, 3622-9	16.7	124
75	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, 5204-10	4.8	52
74	Robust Nanoparticle-DNA Conjugates Based on Mussel-Inspired Polydopamine Coating for Cell Imaging and Tailored Self-Assembly. <i>Bioconjugate Chemistry</i> , 2016 , 27, 815-23	6.3	32
73	Nanomaterial based electrochemical sensors for in vitro detection of small molecule metabolites. <i>Biotechnology Advances</i> , 2016 , 34, 234-49	17.8	69
72	From structures to functions: insights into exosomes as promising drug delivery vehicles. <i>Biomaterials Science</i> , 2016 , 4, 910-21	7.4	77
71	Cationic polycarbonate-grafted superparamagnetic nanoparticles with synergistic dual-modality antimicrobial activity. <i>Biomaterials Science</i> , 2016 , 4, 871-9	7.4	38
70	Polydopamine-Enabled Approach toward Tailored Plasmonic Nanogapped Nanoparticles: From Nanogap Engineering to Multifunctionality. <i>ACS Nano</i> , 2016 , 10, 11066-11075	16.7	90
69	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. <i>Chemical Science</i> , 2016 , 7, 5118-5125	9.4	97
68	Flexible 3D Nanoporous Graphene for Desalination and Bio-decontamination of Brackish Water via Asymmetric Capacitive Deionization. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 25313-25	9.5	99
67	One-step synthesis of three-dimensional porous ionic liquid/graphene nanotube/graphene gel and MnO ₂ /graphene gel as freestanding electrodes for asymmetric supercapacitors. <i>RSC Advances</i> , 2015 , 5, 10178-10186	3.7	65

66	Plasmonic Vesicles of Amphiphilic Nanocrystals: Optically Active Multifunctional Platform for Cancer Diagnosis and Therapy. <i>Accounts of Chemical Research</i> , 2015 , 48, 2506-15	24.3	137
65	Surface enhanced Raman scattering by graphene-nanosheet-gapped plasmonic nanoparticle arrays for multiplexed DNA detection. <i>Nanoscale</i> , 2015 , 7, 12606-13	7.7	46
64	Versatile Core-Shell Nanoparticle@Metal-Organic Framework Nanohybrids: Exploiting Mussel-Inspired Polydopamine for Tailored Structural Integration. <i>ACS Nano</i> , 2015 , 9, 6951-60	16.7	189
63	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, 7790-801	7.7	62
62	Multifunctional Magnetic Nanochains: Exploiting Self-Polymerization and Versatile Reactivity of Mussel-Inspired Polydopamine. <i>Chemistry of Materials</i> , 2015 , 27, 3071-3076	9.6	65
61	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	3.4	26
60	High-Performance Capacitive Deionization Disinfection of Water with Graphene Oxide-graft-Quaternized Chitosan Nanohybrid Electrode Coating. <i>ACS Nano</i> , 2015 , 9, 10142-57	16.7	74
59	2D and 3D graphene materials: Preparation and bioelectrochemical applications. <i>Biosensors and Bioelectronics</i> , 2015 , 65, 404-19	11.8	146
58	A corrosion-protective coating based on a solution-processable polymer-grafted graphene oxide nanocomposite. <i>Corrosion Science</i> , 2015 , 98, 500-506	6.8	140
57	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	11.8	160
56	Interfacial assembly of mussel-inspired au@ag@ polydopamine core-shell nanoparticles for recyclable nanocatalysts. <i>Advanced Materials</i> , 2014 , 26, 701-5	24	171
55	In situ synthesis of large-area single sub-10 nm nanoparticle arrays by polymer pen lithography. <i>Nanoscale</i> , 2014 , 6, 749-52	7.7	36
54	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, 6838-41	16.4	154
53	Stimuli-responsive plasmonic core-satellite assemblies: i-motif DNA linker enabled intracellular pH sensing. <i>Chemical Communications</i> , 2013 , 49, 5739-41	5.8	52
52	Biodegradable theranostic plasmonic vesicles of amphiphilic gold nanorods. <i>ACS Nano</i> , 2013 , 7, 9947-60	16.7	153
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, 9830-8	7.7	95
50	Mussel-inspired synthesis of polydopamine-functionalized graphene hydrogel as reusable adsorbents for water purification. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 425-32	9.5	543
49	Photolabile plasmonic vesicles assembled from amphiphilic gold nanoparticles for remote-controlled traceable drug delivery. <i>Nanoscale</i> , 2013 , 5, 5816-24	7.7	63

48	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, 71-8	11.8	100
47	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, 417-23	11.8	120
46	High Refractive Index Inorganic/Organic Interpenetrating Polymer Network (IPN) Hydrogel Nanocomposite toward Artificial Cornea Implants. <i>ACS Macro Letters</i> , 2012 , 1, 876-881	6.6	37
45	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, 149-61	4.4	119
44	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, 7020-6	9.5	238
43	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, 13458-69	16.4	369
42	Coating graphene paper with 2D-assembly of electrocatalytic nanoparticles: a modular approach toward high-performance flexible electrodes. <i>ACS Nano</i> , 2012 , 6, 100-10	16.7	183
41	High-performance asymmetric supercapacitor based on graphene hydrogel and nanostructured MnO ₂ . <i>ACS Applied Materials & Interfaces</i> , 2012 , 4, 2801-10	9.5	612
40	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	3.8	104
39	Growth of Metal/Metal Oxide Nanostructures on Freestanding Graphene Paper for Flexible Biosensors. <i>Advanced Functional Materials</i> , 2012 , 22, 2487-2494	15.6	224
38	Cationic peptidopolysaccharides show excellent broad-spectrum antimicrobial activities and high selectivity. <i>Advanced Materials</i> , 2012 , 24, 4130-7	24	193
37	Plasmonic vesicles of amphiphilic gold nanocrystals: self-assembly and external-stimuli-triggered destruction. <i>Journal of the American Chemical Society</i> , 2011 , 133, 10760-3	16.4	220
36	Quantum dots with phenylboronic acid tags for specific labeling of sialic acids on living cells. <i>Analytical Chemistry</i> , 2011 , 83, 1124-30	7.8	121
35	One-step electrochemical synthesis of PtNi nanoparticle-graphene nanocomposites for nonenzymatic amperometric glucose detection. <i>ACS Applied Materials & Interfaces</i> , 2011 , 3, 3049-57	9.5	323
34	Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. <i>Biomaterials</i> , 2011 , 32, 9758-65	15.6	275
33	Labeling and Tracking P2 Purinergic Receptors in Living Cells Using ATP-Conjugated Quantum Dots. <i>Advanced Functional Materials</i> , 2011 , 21, 2776-2780	15.6	10
32	SERS-Active Nanoparticles for Sensitive and Selective Detection of Cadmium Ion (Cd ²⁺). <i>Chemistry of Materials</i> , 2011 , 23, 4756-4764	9.6	150
31	Self-Assembled Plasmonic Dimers of Amphiphilic Gold Nanocrystals. <i>Journal of Physical Chemistry Letters</i> , 2011 , 2, 2258-2262	6.4	66

30	Responsive plasmonic assemblies of amphiphilic nanocrystals at oil-water interfaces. <i>ACS Nano</i> , 2010 , 4, 6098-104	16.7	107
29	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 ^{9.6}	9.6	47
28	Proton-Resistant Quantum Dots: Stability in Gastrointestinal Fluids and Implications for Oral Delivery of Nanoparticle Agents. <i>Nano Research</i> , 2009 , 2, 500-508	10	39
27	Biocompatible polysiloxane-containing diblock copolymer PEO-b-PgammaMPS for coating magnetic nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2009 , 1, 2134-40	9.5	42
26	Molecular imaging of pancreatic cancer in an animal model using targeted multifunctional nanoparticles. <i>Gastroenterology</i> , 2009 , 136, 1514-25.e2	13.3	132
25	Single chain epidermal growth factor receptor antibody conjugated nanoparticles for in vivo tumor targeting and imaging. <i>Small</i> , 2009 , 5, 235-43	11	278
24	Gold nanoparticles coated with a thermosensitive hyperbranched polyelectrolyte: towards smart temperature and pH nanosensors. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 2227-30	16.4	143
23	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. <i>Angewandte Chemie</i> , 2008 , 120, 2259-2262	3.6	9
22	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	3.8	223
21	Bioconjugated quantum dots for in vivo molecular and cellular imaging. <i>Advanced Drug Delivery Reviews</i> , 2008 , 60, 1226-1240	18.5	965
20	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, 2412-3 ^{16.4}	16.4	349
19	Cell-penetrating quantum dots based on multivalent and endosome-disrupting surface coatings. <i>Journal of the American Chemical Society</i> , 2007 , 129, 3333-8	16.4	408
18	A systematic examination of surface coatings on the optical and chemical properties of semiconductor quantum dots. <i>Physical Chemistry Chemical Physics</i> , 2006 , 8, 3895-903	3.6	383
17	The water/oil interface: the emerging horizon for self-assembly of nanoparticles. <i>Soft Matter</i> , 2005 , 1, 412-416	3.6	166
16	pH-responsive capsules derived from nanocrystal templating. <i>Langmuir</i> , 2005 , 21, 11495-9	4	50
15	Magnetic colloidosomes derived from nanoparticle interfacial self-assembly. <i>Nano Letters</i> , 2005 , 5, 949-52 ⁵	5	252
14	Colloidally stable amphibious nanocrystals derived from poly[[2-(dimethylamino)ethyl] methacrylate] capping. <i>Angewandte Chemie - International Edition</i> , 2005 , 44, 1717-20	16.4	72
13	Colloidally Stable Amphibious Nanocrystals Derived from Poly[[2-(dimethylamino)ethyl] Methacrylate] Capping. <i>Angewandte Chemie</i> , 2005 , 117, 1745-1748	3.6	9

12	pH-dependent multiple morphologies of novel aggregates of carboxyl-terminated polyimide in water. <i>European Physical Journal E</i> , 2004 , 15, 211-5	1.5	38
11	Directing self-assembly of nanoparticles at water/oil interfaces. <i>Angewandte Chemie - International Edition</i> , 2004 , 43, 5639-42	16.4	393
10	Directing Self-Assembly of Nanoparticles at Water/Oil Interfaces. <i>Angewandte Chemie</i> , 2004 , 116, 5757-5760	7.6	73
9	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	3.4	66
8	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	3.4	44
7	Macromolecular assembly: from irregular aggregates to regular nanostructures. <i>Macromolecular Symposia</i> , 2003 , 195, 165-170	0.8	7
6	Structural transformation of cytochrome c and apo cytochrome c induced by sulfonated polystyrene. <i>Biomacromolecules</i> , 2003 , 4, 1293-300	6.9	52
5	A novel approach to polymeric hollow nanospheres with stabilized structure. <i>Chemical Communications</i> , 2003 , 496-7	5.8	38
4	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
3	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	5.5	75
2	Fluorocarbon Modified Nitroxide: A New Electron Spin Resonance Spin Probe for Micellization of Surfactants. <i>Langmuir</i> , 2001 , 17, 5685-5687	4	8
1	Self-assembly of unlike homopolymers into hollow spheres in nonselective solvent. <i>Journal of the American Chemical Society</i> , 2001 , 123, 12097-8	16.4	129