Hongwei Duan

List of Publications by Citations

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	Bioconjugated quantum dots for in vivo molecular and cellular imaging. *Advanced Drug Delivery Reviews*, **2008**, 60, 1226-1240	18.5	965
154	High-performance asymmetric supercapacitor based on graphene hydrogel and nanostructured MnO2. *ACS Applied Materials & Interfaces*, **2012**, 4, 2801-10	9.5	612
153	Molecular afterglow imaging with bright, biodegradable polymer nanoparticles. *Nature Biotechnology*, **2017**, 35, 1102-1110	44.5	571
152	Mussel-inspired synthesis of polydopamine-functionalized graphene hydrogel as reusable adsorbents for water purification. *ACS Applied Materials & Interfaces*, **2013**, 5, 425-32	9.5	543
151	Cell-penetrating quantum dots based on multivalent and endosome-disrupting surface coatings. *Journal of the American Chemical Society*, **2007**, 129, 3333-8	16.4	408
150	Directing self-assembly of nanoparticles at water/oil interfaces. *Angewandte Chemie - International Edition*, **2004**, 43, 5639-42	16.4	393
149	A systematic examination of surface coatings on the optical and chemical properties of semiconductor quantum dots. *Physical Chemistry Chemical Physics*, **2006**, 8, 3895-903	3.6	383
148	Self-assembled plasmonic vesicles of SERS-encoded amphiphilic gold nanoparticles for cancer cell targeting and traceable intracellular drug delivery. *Journal of the American Chemical Society*, **2012**, 134, 13458-69	16.4	369
147	Etching colloidal gold nanocrystals with hyperbranched and multivalent polymers: a new route to fluorescent and water-soluble atomic clusters. *Journal of the American Chemical Society*, **2007**, 129, 2412-3	16.4	349
146	One-step electrochemical synthesis of PtNi nanoparticle-graphene nanocomposites for nonenzymatic amperometric glucose detection. *ACS Applied Materials & Interfaces*, **2011**, 3, 3049-57	9.5	323
145	Single chain epidermal growth factor receptor antibody conjugated nanoparticles for in vivo tumor targeting and imaging. *Small*, **2009**, 5, 235-43	11	278
144	Antibody conjugated magnetic iron oxide nanoparticles for cancer cell separation in fresh whole blood. *Biomaterials*, **2011**, 32, 9758-65	15.6	275
143	Magnetic colloidosomes derived from nanoparticle interfacial self-assembly. *Nano Letters*, **2005**, 5, 949-52	11.5	252
142	Flexible all-solid-state asymmetric supercapacitors based on free-standing carbon nanotube/graphene and Mn3O4 nanoparticle/graphene paper electrodes. *ACS Applied Materials & Interfaces*, **2012**, 4, 7020-6	9.5	238
141	Growth of Metal/Metal Oxide Nanostructures on Freestanding Graphene Paper for Flexible Biosensors. *Advanced Functional Materials*, **2012**, 22, 2487-2494	15.6	224
140	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. *Journal of Physical Chemistry C*, **2008**, 112, 8127-8131	3.8	223
139	Plasmonic vesicles of amphiphilic gold nanocrystals: self-assembly and external-stimuli-triggered destruction. *Journal of the American Chemical Society*, **2011**, 133, 10760-3	16.4	220

138	Compact Plasmonic Blackbody for Cancer Theranosis in the Near-Infrared II Window. *ACS Nano*, **2018**, 12, 2643-2651	16.7	209
137	Transformable hybrid semiconducting polymer nanozyme for second near-infrared photothermal ferrotherapy. *Nature Communications*, **2020**, 11, 1857	17.4	199
136	Cationic peptidopolysaccharides show excellent broad-spectrum antimicrobial activities and high selectivity. *Advanced Materials*, **2012**, 24, 4130-7	24	193
135	Versatile Core-Shell Nanoparticle@Metal-Organic Framework Nanohybrids: Exploiting Mussel-Inspired Polydopamine for Tailored Structural Integration. *ACS Nano*, **2015**, 9, 6951-60	16.7	189
134	Coating graphene paper with 2D-assembly of electrocatalytic nanoparticles: a modular approach toward high-performance flexible electrodes. *ACS Nano*, **2012**, 6, 100-10	16.7	183
133	Interfacial assembly of mussel-inspired au@ag@ polydopamine core-shell nanoparticles for recyclable nanocatalysts. *Advanced Materials*, **2014**, 26, 701-5	24	171
132	The water/oil interface: the emerging horizon for self-assembly of nanoparticles. *Soft Matter*, **2005**, 1, 412-416	3.6	166
131	Real-time electrochemical detection of hydrogen peroxide secretion in live cells by Pt nanoparticles decorated graphene-carbon nanotube hybrid paper electrode. *Biosensors and Bioelectronics*, **2015**, 68, 358-364	11.8	160
130	SERS-encoded nanogapped plasmonic nanoparticles: growth of metallic nanoshell by templating redox-active polymer brushes. *Journal of the American Chemical Society*, **2014**, 136, 6838-41	16.4	154
129	Biodegradable theranostic plasmonic vesicles of amphiphilic gold nanorods. *ACS Nano*, **2013**, 7, 9947-60	16.7	153
128	SERS-Active Nanoparticles for Sensitive and Selective Detection of Cadmium Ion (Cd2+). *Chemistry of Materials*, **2011**, 23, 4756-4764	9.6	150
127	2D nanomaterials based electrochemical biosensors for cancer diagnosis. *Biosensors and Bioelectronics*, **2017**, 89, 136-151	11.8	147
126	2D and 3D graphene materials: Preparation and bioelectrochemical applications. *Biosensors and Bioelectronics*, **2015**, 65, 404-19	11.8	146
125	Gold nanoparticles coated with a thermosensitive hyperbranched polyelectrolyte: towards smart temperature and pH nanosensors. *Angewandte Chemie - International Edition*, **2008**, 47, 2227-30	16.4	143
124	A corrosion-protective coating based on a solution-processable polymer-grafted graphene oxide nanocomposite. *Corrosion Science*, **2015**, 98, 500-506	6.8	140
123	Plasmonic Vesicles of Amphiphilic Nanocrystals: Optically Active Multifunctional Platform for Cancer Diagnosis and Therapy. *Accounts of Chemical Research*, **2015**, 48, 2506-15	24.3	137
122	Molecular imaging of pancreatic cancer in an animal model using targeted multifunctional nanoparticles. *Gastroenterology*, **2009**, 136, 1514-25.e2	13.3	132
121	Self-assembly of unlike homopolymers into hollow spheres in nonselective solvent. *Journal of the American Chemical Society*, **2001**, 123, 12097-8	16.4	129

120	Ultrasensitive Profiling of Metabolites Using Tyramine-Functionalized Graphene Quantum Dots. *ACS Nano*, **2016**, 10, 3622-9	16.7	124
119	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. *Angewandte Chemie - International Edition*, **2017**, 56, 9155-9159	16.4	123
118	Quantum dots with phenylboronic acid tags for specific labeling of sialic acids on living cells. *Analytical Chemistry*, **2011**, 83, 1124-30	7.8	121
117	Construction of Metal-Organic Framework/Conductive Polymer Hybrid for All-Solid-State Fabric Supercapacitor. *ACS Applied Materials & Interfaces*, **2018**, 10, 18021-18028	9.5	120
116	Growth of coral-like PtAu-MnO2 binary nanocomposites on free-standing graphene paper for flexible nonenzymatic glucose sensors. *Biosensors and Bioelectronics*, **2013**, 41, 417-23	11.8	120
115	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. *Toxicological Sciences*, **2012**, 126, 149-61	4.4	119
114	Responsive plasmonic assemblies of amphiphilic nanocrystals at oil-water interfaces. *ACS Nano*, **2010**, 4, 6098-104	16.7	107
113	Growth of Copper Nanocubes on Graphene Paper as Free-Standing Electrodes for Direct Hydrazine Fuel Cells. *Journal of Physical Chemistry C*, **2012**, 116, 7719-7725	3.8	104
112	Freestanding graphene paper decorated with 2D-assembly of Au@Pt nanoparticles as flexible biosensors to monitor live cell secretion of nitric oxide. *Biosensors and Bioelectronics*, **2013**, 49, 71-8	11.8	100
111	Flexible 3D Nanoporous Graphene for Desalination and Bio-decontamination of Brackish Water via Asymmetric Capacitive Deionization. *ACS Applied Materials & Interfaces*, **2016**, 8, 25313-25	9.5	99
110	Multilayered semiconducting polymer nanoparticles with enhanced NIR fluorescence for molecular imaging in cells, zebrafish and mice. *Chemical Science*, **2016**, 7, 5118-5125	9.4	97
109	Immobilizing CdS quantum dots and dendritic Pt nanocrystals on thiolated graphene nanosheets toward highly efficient photocatalytic H2 evolution. *Nanoscale*, **2013**, 5, 9830-8	7.7	95
108	Nanotransducers for Near-Infrared Photoregulation in Biomedicine. *Advanced Materials*, **2019**, 31, e1901607	24	93
107	Polydopamine-Enabled Approach toward Tailored Plasmonic Nanogapped Nanoparticles: From Nanogap Engineering to Multifunctionality. *ACS Nano*, **2016**, 10, 11066-11075	16.7	90
106	Double-Layered Plasmonic-Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold-Iron(II,III) Oxide Nanoparticles. *Angewandte Chemie - International Edition*, **2017**, 56, 8110-8114	16.4	88
105	Large-Scale Noniridescent Structural Color Printing Enabled by Infiltration-Driven Nonequilibrium Colloidal Assembly. *Advanced Materials*, **2018**, 30, 1705667	24	86
104	Block Copolymer Nanoparticles Remove Biofilms of Drug-Resistant Gram-Positive Bacteria by Nanoscale Bacterial Debridement. *Nano Letters*, **2018**, 18, 4180-4187	11.5	81
103	From structures to functions: insights into exosomes as promising drug delivery vehicles. *Biomaterials Science*, **2016**, 4, 910-21	7.4	77

102	Block-Copolymer-Free Strategy for Preparing Micelles and Hollow Spheres: Self-Assembly of Poly(4-vinylpyridine) and Modified Polystyrene. *Macromolecules*, **2002**, 35, 5980-5989	5.5	75
101	High-Performance Capacitive Deionization Disinfection of Water with Graphene Oxide-graft-Quaternized Chitosan Nanohybrid Electrode Coating. *ACS Nano*, **2015**, 9, 10142-57	16.7	74
100	Directing Self-Assembly of Nanoparticles at Water/Oil Interfaces. *Angewandte Chemie*, **2004**, 116, 5757-5760	3.6	73
99	Colloidally stable amphibious nanocrystals derived from poly{[2-(dimethylamino)ethyl] methacrylate} capping. *Angewandte Chemie - International Edition*, **2005**, 44, 1717-20	16.4	72
98	In Vivo Anti-Biofilm and Anti-Bacterial Non-Leachable Coating Thermally Polymerized on Cylindrical Catheter. *ACS Applied Materials & Interfaces*, **2017**, 9, 36269-36280	9.5	69
97	A core/shell structured tubular graphene nanoflake-coated polypyrrole hybrid for all-solid-state flexible supercapacitors. *Journal of Materials Chemistry A*, **2018**, 6, 3913-3918	13	69
96	Nanomaterial based electrochemical sensors for in vitro detection of small molecule metabolites. *Biotechnology Advances*, **2016**, 34, 234-49	17.8	69
95	Lateral Flow Immunoassay Based on Polydopamine-Coated Gold Nanoparticles for the Sensitive Detection of Zearalenone in Maize. *ACS Applied Materials & Interfaces*, **2019**, 11, 31283-31290	9.5	67
94	Self-Assembled Plasmonic Dimers of Amphiphilic Gold Nanocrystals. *Journal of Physical Chemistry Letters*, **2011**, 2, 2258-2262	6.4	66
93	Self-Assembly of Rigid and Coil Polymers into Hollow Spheres in Their Common Solvent. *Journal of Physical Chemistry B*, **2004**, 108, 550-555	3.4	66
92	One-step synthesis of three-dimensional porous ionic liquid□arbon nanotube□graphene gel and MnO2□graphene gel as freestanding electrodes for asymmetric supercapacitors. *RSC Advances*, **2015**, 5, 10178-10186	3.7	65
91	Multifunctional Magnetic Nanochains: Exploiting Self-Polymerization and Versatile Reactivity of Mussel-Inspired Polydopamine. *Chemistry of Materials*, **2015**, 27, 3071-3076	9.6	65
90	Ultrasonic-electrodeposition of PtPd alloy nanoparticles on ionic liquid-functionalized graphene paper: towards a flexible and versatile nanohybrid electrode. *Nanoscale*, **2016**, 8, 1523-34	7.7	63
89	Photolabile plasmonic vesicles assembled from amphiphilic gold nanoparticles for remote-controlled traceable drug delivery. *Nanoscale*, **2013**, 5, 5816-24	7.7	63
88	Sandwich-structured nanohybrid paper based on controllable growth of nanostructured MnO2 on ionic liquid functionalized graphene paper as a flexible supercapacitor electrode. *Nanoscale*, **2015**, 7, 7790-801	7.7	62
87	Magnetic nanochain integrated microfluidic biochips. *Nature Communications*, **2018**, 9, 1743	17.4	60
86	Transdermal Delivery of Anti-Obesity Compounds to Subcutaneous Adipose Tissue with Polymeric Microneedle Patches. *Small Methods*, **2017**, 1, 1700269	12.8	54
85	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. *Analytica Chimica Acta*, **2016**, 903, 61-8	6.6	54

84	Nanoparticles of Short Cationic Peptidopolysaccharide Self-Assembled by Hydrogen Bonding with Antibacterial Effect against Multidrug-Resistant Bacteria. *ACS Applied Materials & Interfaces*, **2017**, 9, 38288-38303	9.5	53
83	Enantiomeric glycosylated cationic block co-beta-peptides eradicate Staphylococcus aureus biofilms and antibiotic-tolerant persisters. *Nature Communications*, **2019**, 10, 4792	17.4	53
82	Graphene Paper Decorated with a 2D Array of Dendritic Platinum Nanoparticles for Ultrasensitive Electrochemical Detection of Dopamine Secreted by Live Cells. *Chemistry - A European Journal*, **2016**, 22, 5204-10	4.8	52
81	Stimuli-responsive plasmonic core-satellite assemblies: i-motif DNA linker enabled intracellular pH sensing. *Chemical Communications*, **2013**, 49, 5739-41	5.8	52
80	Structural transformation of cytochrome c and apo cytochrome c induced by sulfonated polystyrene. *Biomacromolecules*, **2003**, 4, 1293-300	6.9	52
79	Cobalt Phosphide Double-Shelled Nanocages: Broadband Light-Harvesting Nanostructures for Efficient Photothermal Therapy and Self-Powered Photoelectrochemical Biosensing. *Small*, **2017**, 13, 1700798	11	51
78	pH-responsive capsules derived from nanocrystal templating. *Langmuir*, **2005**, 21, 11495-9	4	50
77	Dendronized Semiconducting Polymer as Photothermal Nanocarrier for Remote Activation of Gene Expression. *Angewandte Chemie*, **2017**, 129, 9283-9287	3.6	47
76	Quantum Dots with Multivalent and Compact Polymer Coatings for Efficient Fluorescence Resonance Energy Transfer and Self-Assembled Biotagging. *Chemistry of Materials*, **2010**, 22, 4372-4378	9.6	47
75	Surface enhanced Raman scattering by graphene-nanosheet-gapped plasmonic nanoparticle arrays for multiplexed DNA detection. *Nanoscale*, **2015**, 7, 12606-13	7.7	46
74	Three-dimensional graphene biointerface with extremely high sensitivity to single cancer cell monitoring. *Biosensors and Bioelectronics*, **2018**, 105, 22-28	11.8	44
73	Structural Factors of Rigid□Coil Polymer Pairs Influencing Their Self-Assembly in Common Solvent. *Journal of Physical Chemistry B*, **2004**, 108, 16023-16029	3.4	44
72	Biocompatible polysiloxane-containing diblock copolymer PEO-b-PgammaMPS for coating magnetic nanoparticles. *ACS Applied Materials & Interfaces*, **2009**, 1, 2134-40	9.5	42
71	Synthesis and Antibacterial Study of Sulfobetaine/Quaternary Ammonium-Modified Star-Shaped Poly[2-(dimethylamino)ethyl methacrylate]-Based Copolymers with an Inorganic Core. *Biomacromolecules*, **2017**, 18, 44-55	6.9	41
70	Proton-Resistant Quantum Dots: Stability in Gastrointestinal Fluids and Implications for Oral Delivery of Nanoparticle Agents. *Nano Research*, **2009**, 2, 500-508	10	39
69	Janus Nanoparticles: From Fabrication to (Bio)Applications. *ACS Nano*, **2021**, 15, 6147-6191	16.7	39
68	Cationic polycarbonate-grafted superparamagnetic nanoparticles with synergistic dual-modality antimicrobial activity. *Biomaterials Science*, **2016**, 4, 871-9	7.4	38
67	pH-dependent multiple morphologies of novel aggregates of carboxyl-terminated polymide in water. *European Physical Journal E*, **2004**, 15, 211-5	1.5	38

66	A novel approach to polymeric hollow nanospheres with stabilized structure. *Chemical Communications*, **2003**, 496-7	5.8	38
65	High Refractive Index Inorganic□Organic Interpenetrating Polymer Network (IPN) Hydrogel Nanocomposite toward Artificial Cornea Implants. *ACS Macro Letters*, **2012**, 1, 876-881	6.6	37
64	In situ synthesis of large-area single sub-10 nm nanoparticle arrays by polymer pen lithography. *Nanoscale*, **2014**, 6, 749-52	7.7	36
63	A Glycosylated Cationic Block Poly(□peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. *Angewandte Chemie - International Edition*, **2020**, 59, 6819-6826	16.4	35
62	Application and development of superparamagnetic nanoparticles in sample pretreatment and immunochromatographic assay. *TrAC - Trends in Analytical Chemistry*, **2019**, 114, 151-170	14.6	34
61	Hydrogel Effects Rapid Biofilm Debridement with ex situ Contact-Kill to Eliminate Multidrug Resistant Bacteria in vivo. *ACS Applied Materials & Interfaces*, **2018**, 10, 20356-20367	9.5	34
60	Robust Nanoparticle-DNA Conjugates Based on Mussel-Inspired Polydopamine Coating for Cell Imaging and Tailored Self-Assembly. *Bioconjugate Chemistry*, **2016**, 27, 815-23	6.3	32
59	Synthesis of amphiphilic block□graft copolymers [poly(styrene-b-ethylene-co-butylene-b-styrene)-g-poly(acrylic acid)] and their aggregation in water. *Journal of Polymer Science Part A*, **2002**, 40, 1253-1266	2.5	31
58	Charge-Reversal Polymer Nano-modulators for Photodynamic Immunotherapy of Cancer. *Angewandte Chemie - International Edition*, **2021**, 60, 19355-19363	16.4	27
57	Incorporating nanoporous polyaniline into layer-by-layer ionic liquid-carbon nanotube-graphene paper: towards freestanding flexible electrodes with improved supercapacitive performance. *Nanotechnology*, **2015**, 26, 374002	3.4	26
56	In Vitro and In Vivo Photothermal Cancer Therapeutic Effects of Gold Nanorods Modified with Mushroom □Glucan. *Journal of Agricultural and Food Chemistry*, **2018**, 66, 4091-4098	5.7	25
55	Mesoporous polydopamine with built-in plasmonic core: Traceable and NIR triggered delivery of functional proteins. *Biomaterials*, **2020**, 238, 119847	15.6	24
54	Photoactive Nanocarriers for Controlled Delivery. *Advanced Functional Materials*, **2020**, 30, 1903896	15.6	24
53	Double-Layered Plasmonic□Magnetic Vesicles by Self-Assembly of Janus Amphiphilic Gold□Iron(II,III) Oxide Nanoparticles. *Angewandte Chemie*, **2017**, 129, 8222-8226	3.6	23
52	Stable and Biocompatible Mushroom □Glucan Modified Gold Nanorods for Cancer Photothermal Therapy. *Journal of Agricultural and Food Chemistry*, **2017**, 65, 9529-9536	5.7	21
51	Functional Macromolecule-Enabled Colloidal Synthesis: From Nanoparticle Engineering to Multifunctionality. *Advanced Materials*, **2019**, 31, e1902733	24	21
50	A Self-Assembled Plasmonic Substrate for Enhanced Fluorescence Resonance Energy Transfer. *Advanced Materials*, **2020**, 32, e1906475	24	20
49	Functionalized MXene Enabled Sustainable Water Harvesting and Desalination. *Advanced Sustainable Systems*, **2020**, 4, 2000102	5.9	18

48	Plasmonic-Fluorescent Janus Ag/AgS Nanoparticles for HO-Activated NIR-II Fluorescence Imaging. *Nano Letters*, **2021**, 21, 2625-2633	11.5	18
47	Metabolic Labeling Mediated Targeting and Thermal Killing of Gram-Positive Bacteria by Self-Reporting Janus Magnetic Nanoparticles. *Small*, **2021**, 17, e2006357	11	17
46	Mussel-Inspired Dual-Superlyophobic Biomass Membranes for Selective Oil/Water Separation. *Advanced Materials Interfaces*, **2020**, 7, 1901756	4.6	16
45	A synergistic optical strategy for enhanced deep-tumor penetration and therapy in the second near-infrared window. *Materials Horizons*, **2020**, 7, 2929-2935	14.4	16
44	Zwitterionic Polymer Modified Porous Carbon for High-Performance and Antifouling Capacitive Desalination. *ACS Applied Materials & Interfaces*, **2018**, 10, 33564-33573	9.5	16
43	Responsive Amorphous Photonic Structures of Spherical/Polyhedral Colloidal Metal–Organic Frameworks. *Advanced Optical Materials*, **2019**, 7, 1900522	8.1	14
42	Raman-encoded, multivalent glycan-nanoconjugates for traceable specific binding and killing of bacteria. *Biomaterials Science*, **2018**, 6, 1339-1346	7.4	13
41	Evaluation of Controlled Release Urea on the Dynamics of Nitrate, Ammonium, and Its Nitrogen Release in Black Soils of Northeast China. *International Journal of Environmental Research and Public Health*, **2018**, 15,	4.6	13
40	Bioinspired Production of Noniridescent Structural Colors by Adhesive Melanin-like Particles. *Langmuir*, **2019**, 35, 9878-9884	4	13
39	Improving the performance of upconversion nanoprobe-based lateral flow immunoassays by supramolecular self-assembly core/shell strategies. *Sensors and Actuators B: Chemical*, **2020**, 318, 128233	8.5	12
38	Nacre Mimetic with Embedded Silver Nanowire for Resistive Heating. *ACS Applied Nano Materials*, **2018**, 1, 940-952	5.6	12
37	Flexible Bioinspired Ternary Nanocomposites Based on Carboxymethyl Cellulose/Nanoclay/Graphene Oxide. *ACS Applied Polymer Materials*, **2019**, 1, 1505-1513	4.3	11
36	Polydopamine-mediated synthesis of core-shell gold@calcium phosphate nanoparticles for enzyme immobilization. *Biomaterials Science*, **2019**, 7, 2841-2849	7.4	11
35	Thiophene-derived polymer dots for imaging endocytic compartments in live cells and broad-spectrum bacterial killing. *Materials Chemistry Frontiers*, **2017**, 1, 152-157	7.8	10
34	Labeling and Tracking P2 Purinergic Receptors in Living Cells Using ATP-Conjugated Quantum Dots. *Advanced Functional Materials*, **2011**, 21, 2776-2780	15.6	10
33	Self-Assembly of Polymer-Coated Plasmonic Nanocrystals: From Synthetic Approaches to Practical Applications. *Macromolecular Rapid Communications*, **2019**, 40, e1800613	4.8	10
32	Intracellular and Cellular Detection by SERS-Active Plasmonic Nanostructures. *ChemBioChem*, **2019**, 20, 2432-2441	3.8	9
31	Gold Nanoparticles Coated with a Thermosensitive Hyperbranched Polyelectrolyte: Towards Smart Temperature and pH Nanosensors. *Angewandte Chemie*, **2008**, 120, 2259-2262	3.6	9

30	Colloidally Stable Amphibious Nanocrystals Derived from Poly{[2-(dimethylamino)ethyl] Methacrylate} Capping. *Angewandte Chemie*, **2005**, 117, 1745-1748	3.6	9
29	Dynamic Magnetic Nanomixers for Improved Microarray Assays by Eliminating Diffusion Limitation. *Advanced Healthcare Materials*, **2019**, 8, e1801022	10.1	9
28	Hierarchical Graphene/Metal-Organic Framework Composites with Tailored Wettability for Separation of Immiscible Liquids. *ACS Applied Materials & Interfaces*, **2020**, 12, 35563-35571	9.5	8
27	Silver nanoprism-based plasmonic ELISA for sensitive detection of fluoroquinolones. *Journal of Materials Chemistry B*, **2020**, 8, 3667-3675	7.3	8
26	Quantitative Analysis of Major Metals in Agricultural Biochar Using Laser-Induced Breakdown Spectroscopy with an Adaboost Artificial Neural Network Algorithm. *Molecules*, **2019**, 24,	4.8	8
25	Fluorocarbon Modified Nitroxide: A New Electron Spin Resonance Spin Probe for Micellization of Surfactants. *Langmuir*, **2001**, 17, 5685-5687	4	8
24	Antibacterial properties of synthesized cyclic and linear cationic copolymers. *Polymer Chemistry*, **2020**, 11, 6632-6639	4.9	8
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22	Macromolecular assembly: from irregular aggregates to regular nanostructures. *Macromolecular Symposia*, **2003**, 195, 165-170	0.8	7
21	Universal and Switchable Omni-Repellency of Liquid-Infused Surfaces for On-Demand Separation of Multiphase Liquid Mixtures. *ACS Nano*, **2021**, 15, 6977-6986	16.7	7
20	Revisiting Metal Electrodeposition in Porous Anodic Alumina: Toward Tailored Preparation of Metal Nanotube Arrays. *Journal of the Electrochemical Society*, **2018**, 165, D129-D134	3.9	6
19	Smart Sensing Based on DNA-Metal Interaction Enables a Label-Free and Resettable Security Model of Electrochemical Molecular Keypad Lock. *ACS Sensors*, **2018**, 3, 54-58	9.2	6
18	Hierarchical Disordered Colloidal Thin Films with Duplex Optical Elements for Advanced Anti-Counterfeiting Coding. *Advanced Optical Materials*, **2020**, 8, 2001378	8.1	6
17	Using Diphenylphosphoryl Azide (DPPA) for the Facile Synthesis of Biodegradable Antiseptic Random Copolypeptides. *Macromolecular Rapid Communications*, **2017**, 38, 1600601	4.8	5
16	Glycosylated Copper Sulfide Nanocrystals for Targeted Photokilling of Bacteria in the Near-Infrared II Window. *Advanced Therapeutics*, **2019**, 2, 1900052	4.9	5
15	Rapid fabrication of complex nanostructures using room-temperature ultrasonic nanoimprinting. *Nature Communications*, **2021**, 12, 3146	17.4	5
14	Size-Controllable Magnetic Iron Oxide Nanorods for Biomarker Targeting and Improving Microfluidic Mixing.. *ACS Applied Bio Materials*, **2019**, 2, 3362-3371	4.1	4
13	Localized Degradation of Neutrophil Extracellular Traps by Photoregulated Enzyme Delivery for Cancer Immunotherapy and Metastasis Suppression.. *ACS Nano*, **2022**,	16.7	4

12	Polydopamine-Mediated Superlyophobic Polysiloxane Coating of Porous Substrates for Efficient Separation of Immiscible Liquids. *Advanced Materials Interfaces*, **2020**, 7, 2000428	4.6	4
11	A Glycosylated Cationic Block Poly(□peptide) Reverses Intrinsic Antibiotic Resistance in All ESKAPE Gram-Negative Bacteria. *Angewandte Chemie*, **2020**, 132, 6886-6893	3.6	3
10	Magnetic nanochains-based dynamic ELISA for rapid and ultrasensitive detection of acute myocardial infarction biomarkers. *Analytica Chimica Acta*, **2021**, 1166, 338567	6.6	3
9	Molecular complexes of calf thymus DNA with various bioactive compounds: Formation and characterization. *International Journal of Biological Macromolecules*, **2021**, 168, 775-783	7.9	3
8	Charge-Reversal Polymer Nano-modulators for Photodynamic Immunotherapy of Cancer. *Angewandte Chemie*, **2021**, 133, 19504-19512	3.6	2
7	Chemical processing of interfacially assembled metal nanowires for surface-enhanced Raman scattering detection of food contaminants. *Journal of Raman Spectroscopy*, **2021**, 52, 532-540	2.3	2
6	Multienzyme nanoassemblies: from rational design to biomedical applications. *Biomaterials Science*, **2021**, 9, 7323-7342	7.4	1
5	Antibiofilm Activity of Gallium(III) Complexed Anionic Polymers in Combination with Antibiotics. *Macromolecular Rapid Communications*, **2021**, 42, e2100255	4.8	0
4	Caging Cationic Polymer Brush Coated Plasmonic Nanostructures for Traceable Selective Antimicrobial Activities.. *Macromolecular Rapid Communications*, **2022**, e2100812	4.8	0
3	Polymer-Enabled Self-Assembly of Plasmonic Nanostructures **2022**, 127-182		
2	Controlled Delivery **2022**, 525-553		
1	Biomedical Applications of Plasmonic Nanoparticles **2022**, 449-478		