Tao Chen

List of Publications by Year
in descending order

396 papers	20,931 citations	8172 76 h-index	16164 124 g-index
406 all docs	406 docs citations	406 times ranked	21391 citing authors

#	Article	IF	Citations
1	Temperature dependence of graphene oxide reduced by hydrazine hydrate. Nanotechnology, 2011, 22, 055705.	1.3	578
2	Recent Progress in Biomimetic Anisotropic Hydrogel Actuators. Advanced Science, 2019, 6, 1801584.	5.6	403
3	Supramolecular shape memory hydrogels: a new bridge between stimuli-responsive polymers and supramolecular chemistry. Chemical Society Reviews, 2017, 46, 1284-1294.	18.7	381
4	Synthesis and Electrochemical Properties of Two-Dimensional Hafnium Carbide. ACS Nano, 2017, 11, 3841-3850.	7.3	370
5	Flexible and Adhesive Surface Enhance Raman Scattering Active Tape for Rapid Detection of Pesticide Residues in Fruits and Vegetables. Analytical Chemistry, 2016, 88, 2149-2155.	3.2	369
6	Organicâ€“Inorganic Hybrid Hollow Spheres Prepared from TiO₂â€Stabilized Pickering Emulsion Polymerization. Advanced Materials, 2007, 19, 2286-2289.	11.1	367
7	Triboelectric nanogenerator sensors for soft robotics aiming at digital twin applications. Nature Communications, 2020, 11, 5381.	5.8	363
8	Bioinspired Anisotropic Hydrogel Actuators with Onâ€“Off Switchable and Colorâ€Tunable Fluorescence Behaviors. Advanced Functional Materials, 2018, 28, 1704568.	7.8	353
9	Stimulus-responsive polymer brushes on surfaces: Transduction mechanisms and applications. Progress in Polymer Science, 2010, 35, 94-112.	11.8	348
10	Janus Polymer/Carbon Nanotube Hybrid Membranes for Oil/Water Separation. ACS Applied Materials & Interfaces, 2014, 6, 16204-16209.	4.0	283
11	A Hierarchically Nanostructured Composite of MnO₂/Conjugated Polymer/Graphene for Highâ€Performance Lithium Ion Batteries. Advanced Energy Materials, 2011, 1, 736-741.	10.2	279
12	Biomimetic anti-freezing polymeric hydrogels: keeping soft-wet materials active in cold environments. Materials Horizons, 2021, 8, 351-369.	6.4	250
13	Functionalization of Biodegradable PLA Nonwoven Fabric as Superoleophilic and Superhydrophobic Material for Efficient Oil Absorption and Oil/Water Separation. ACS Applied Materials & Interfaces, 2017, 9, 5968-5973.	4.0	241
14	Dual-drug delivery system based on hydrogel/micelle composites. Biomaterials, 2009, 30, 2606-2613.	5.7	240
15	CO₂ and temperature dual responsive â€œSmartâ•MXene phases. Chemical Communications, 2015, 51, 314-317.	2.2	222
16	Patterned polymer brushes. Chemical Society Reviews, 2012, 41, 3280.	18.7	212
17	Bioinspired Synergistic Fluorescenceâ€Colorâ€Switchable Polymeric Hydrogel Actuators. Angewandte Chemie - International Edition, 2019, 58, 16243-16251.	7.2	212
18	Bioinspired Selfâ€Healing Humanâ€“Machine Interactive Touch Pad with Pressureâ€Sensitive Adhesiveness on Targeted Substrates. Advanced Materials, 2020, 32, e2004290.	11.1	210

#	Article	IF	Citations
19	A Multiresponsive Anisotropic Hydrogel with Macroscopic 3D Complex Deformations. Advanced Functional Materials, 2016, 26, 8670-8676.	7.8	209
20	Hotspot-Induced Transformation of Surface-Enhanced Raman Scattering Fingerprints. ACS Nano, 2010, 4, 3087-3094.	7.3	203
21	Controlled Assembly of Eccentrically Encapsulated Gold Nanoparticles. Journal of the American Chemical Society, 2008, 130, 11858-11859.	6.6	201
22	Mimosa inspired bilayer hydrogel actuator functioning in multi-environments. Journal of Materials Chemistry C, 2018, 6, 1320-1327.	2.7	201
23	A Universal high accuracy wearable pulse monitoring system via high sensitivity and large linearity graphene pressure sensor. Nano Energy, 2019, 59, 422-433.	8.2	198
24	Robust preparation of superhydrophobic polymer/carbon nanotube hybrid membranes for highly effective removal of oils and separation of water-in-oil emulsions. Journal of Materials Chemistry A, 2014, 2, 15268.	5.2	194
25	Triboelectric Self-Powered Wearable Flexible Patch as 3D Motion Control Interface for Robotic Manipulator. ACS Nano, 2018, 12, 11561-11571.	7.3	179
26	Trends in polymeric shape memory hydrogels and hydrogel actuators. Polymer Chemistry, 2019, 10, 1036-1055.	1.9	172
27	Self-healable macro-/microscopic shape memory hydrogels based on supramolecular interactions. Chemical Communications, 2014, 50, 12277-12280.	2.2	168
28	Drug releasing behavior of hybrid micelles containing polypeptide triblock copolymer. Biomaterials, 2009, 30, 108-117.	5.7	164
29	Network cracks-based wearable strain sensors for subtle and large strain detection of human motions. Journal of Materials Chemistry C, 2018, 6, 5140-5147.	2.7	164
30	Multicolor Fluorescent Polymeric Hydrogels. Angewandte Chemie - International Edition, 2021, 60, 8608-8624.	7.2	163
31	A fast chemical approach towards Sb₂S₃film with a large grain size for high-performance planar heterojunction solar cells. Nanoscale, 2017, 9, 3386-3390.	2.8	145
32	3D Fluorescent Hydrogel Origami for Multistage Data Security Protection. Advanced Functional Materials, 2019, 29, 1905514.	7.8	145
33	Conductive Self-Healing Nanocomposite Hydrogel Skin Sensors with Antifreezing and Thermoresponsive Properties. ACS Applied Materials & Interfaces, 2020, 12, 3068-3079.	4.0	140
34	A fully hydrophobic ionogel enables highly efficient wearable underwater sensors and communicators. Materials Horizons, 2021, 8, 2761-2770.	6.4	138
35	A Ureaseâ€Containing Fluorescent Hydrogel for Transient Information Storage. Angewandte Chemie - International Edition, 2021, 60, 3640-3646.	7.2	137
36	Stretchable supramolecular hydrogels with triple shape memory effect. Chemical Science, 2016, 7, 6715-6720.	3.7	134

#	Article	IF	Citations
37	pH- and Sugar-Induced Shape Memory Hydrogel Based on Reversible Phenylboronic Acid-Diol Ester Bonds. Macromolecular Rapid Communications, 2015, 36, 533-537.	2.0	131
38	Bivalve Shell: Not an Abundant Useless Waste but a Functional and Versatile Biomaterial. Critical Reviews in Environmental Science and Technology, 2014, 44, 2502-2530.	6.6	128
39	Recent Progress in Smart Polymeric Gelâ€Based Information Storage for Antiâ€Counterfeiting. Advanced Materials, 2022, 34, .	11.1	122
40	High Performance Humidity Fluctuation Sensor for Wearable Devices via a Bioinspired Atomic-Precise Tunable Graphene-Polymer Heterogeneous Sensing Junction. Chemistry of Materials, 2018, 30, 4343-4354.	3.2	120
41	Hierarchical Flowerlike Gold Nanoparticles Labeled Immunochromatography Test Strip for Highly Sensitive Detection of Escherichia coli O157:H7. Langmuir, 2015, 31, 5537-5544.	1.6	118
42	CRISPR-Cas9 Targeting of PCSK9 in Human Hepatocytes In Vivoâ€”Brief Report. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, 783-786.	1.1	118
43	A scalable, low-cost and robust photo-thermal fabric with tunable and programmable 2D/3D structures towards environmentally adaptable liquid/solid-medium water extraction. Nano Energy, 2019, 65, 104002.	8.2	115
44	Heterogeneous Fluorescent Organohydrogel Enables Dynamic Antiâ€Counterfeiting. Advanced Functional Materials, 2021, 31, 2108365.	7.8	114
45	Exploring interface confined water flow and evaporation enables solar-thermal-electro integration towards clean water and electricity harvest via asymmetric functionalization strategy. Nano Energy, 2020, 68, 104385.	8.2	113
46	Tillandsiaâ€Inspired Hygroscopic Photothermal Organogels for Efficient Atmospheric Water Harvesting. Angewandte Chemie - International Edition, 2020, 59, 19237-19246.	7.2	112
47	Solution-Processable Ionic Liquid as an Independent or Modifying Electron Transport Layer for High-Efficiency Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 34464-34473.	4.0	111
48	Asymmetric elastoplasticity of stacked graphene assembly actualizes programmable untethered soft robotics. Nature Communications, 2020, 11, 4359.	5.8	110
49	Underwater superoleophobic carbon nanotubes/coreâ€“shell polystyrene@Au nanoparticles composite membrane for flow-through catalytic decomposition and oil/water separation. Journal of Materials Chemistry A, 2016, 4, 10810-10815.	5.2	105
50	Light-Controlled Shrinkage of Large-Area Gold Nanoparticle Monolayer Film for Tunable SERS Activity. Chemistry of Materials, 2018, 30, 1989-1997.	3.2	103
51	Recent advances of wearable and flexible piezoresistivity pressure sensor devices and its future prospects. Journal of Materiomics, 2020, 6, 86-101.	2.8	102
52	Light-Triggered Reversible Self-Assembly of Gold Nanoparticle Oligomers for Tunable SERS. Langmuir, 2015, 31, 1164-1171.	1.6	101
53	ATRP with a light switch: photoinduced ATRP using a household fluorescent lamp. Polymer Chemistry, 2014, 5, 4790-4796.	1.9	98
54	Actuating and memorizing bilayer hydrogels for a self-deformed shape memory function. Chemical Communications, 2018, 54, 1229-1232.	2.2	98

#	Article	IF	Citations
55	Pickering Stabilization as a Tool in the Fabrication of Complex Nanopatterned Silica Microcapsules. Langmuir, 2007, 23, 9527-9530.	1.6	95
56	Polymeric and biomacromolecular brush nanostructures: progress in synthesis, patterning and characterization. Soft Matter, 2008, 4, 1774.	1.2	95
57	Polymeric micelles formed by polypeptide graft copolymer and its mixtures with polypeptide block copolymer. Polymer, 2006, 47, 4485-4489.	1.8	94
58	Fe³⁺-, pH-, Thermoresponsive Supramolecular Hydrogel with Multishape Memory Effect. ACS Applied Materials & Interfaces, 2017, 9, 9038-9044.	4.0	94
59	Controlled functionalization of carbon nanotubes as superhydrophobic material for adjustable oil/water separation. Journal of Materials Chemistry A, 2015, 3, 4124-4128.	5.2	88
60	Biodegradable PLA Nonwoven Fabric with Controllable Wettability for Efficient Water Purification and Photocatalysis Degradation. ACS Sustainable Chemistry and Engineering, 2018, 6, 2445-2452.	3.2	87
61	Mussel-inspired multifunctional supramolecular hydrogels with self-healing, shape memory and adhesive properties. Polymer Chemistry, 2016, 7, 5343-5346.	1.9	86
62	Bimetallic Au/Ag Coreâ€“Shell Superstructures with Tunable Surface Plasmon Resonance in the Near-Infrared Region and High Performance Surface-Enhanced Raman Scattering. Langmuir, 2017, 33, 5378-5384.	1.6	86
63	Nanozyme-based lateral flow assay for the sensitive detection of Escherichia coli O157:H7 in milk. Journal of Dairy Science, 2018, 101, 5770-5779.	1.4	86
64	A self-protective, reproducible textile sensor with high performance towards humanâ€“machine interactions. Journal of Materials Chemistry A, 2019, 7, 26631-26640.	5.2	86
65	Nanoparticleâ€“Polymer Synergies in Nanocomposite Hydrogels: From Design to Application. Macromolecular Rapid Communications, 2018, 39, e1800337.	2.0	85
66	Bright and sensitive ratiometric fluorescent probe enabling endogenous FA imaging and mechanistic exploration of indirect oxidative damage due to FA in various living systems. Chemical Science, 2017, 8, 7851-7861.	3.7	84
67	Multifunctional Polyhedral Oligomeric Silsesquioxane (POSS) Based Hybrid Porous Materials for CO2 Uptake and Iodine Adsorption. Polymers, 2021, 13, 221.	2.0	84
68	A Logicâ€Based Diagnostic and Therapeutic Hydrogel with Multistimuli Responsiveness to Orchestrate Diabetic Bone Regeneration. Advanced Materials, 2022, 34, e2108430.	11.1	84
69	Optical Nanoimaging for Block Copolymer Self-Assembly. Journal of the American Chemical Society, 2015, 137, 2436-2439.	6.6	83
70	Mechanically robust, solar-driven, and degradable lignin-based polyurethane adsorbent for efficient crude oil spill remediation. Chemical Engineering Journal, 2021, 415, 128956.	6.6	83
71	A multi-responsive hydrogel with a triple shape memory effect based on reversible switches. Chemical Communications, 2016, 52, 13292-13295.	2.2	82
72	Seleniumâ€Graded Sb₂(S_{1â”x}Se_x)₃ for Planar Heterojunction Solar Cell Delivering a Certified Power Conversion Efficiency of 5.71%. Solar Rrl, 2017, 1, 1700017.	3.1	82

#	Article	IF	Citations
73	Collective behaviors mediated multifunctional black sand aggregate towards environmentally adaptive solar-to-thermal purified water harvesting. Nano Energy, 2020, 68, 104311.	8.2	81
74	Aggregationâ€Induced Emissive Carbon Dots Gels for Octopusâ€Inspired Shape/Color Synergistically Adjustable Actuators. Angewandte Chemie - International Edition, 2021, 60, 21890-21898.	7.2	80
75	Converting Pomelo Peel into Eco-friendly and Low-Consumption Photothermic Biomass Sponge toward Multifunctioal Solar-to-Heat Conversion. ACS Sustainable Chemistry and Engineering, 2020, 8, 5328-5337.	3.2	79
76	Self-Assembly of Poly(Î³-benzylL-glutamate)-graft-Poly(ethylene glycol) and Its Mixtures with Poly(Î³-benzylL-glutamate) Homopolymer. Macromolecular Rapid Communications, 2004, 25, 1241-1246.	2.0	78
77	Ultrastable tetraphenyl-p-phenylenediamine-based covalent organic frameworks as platforms for high-performance electrochemical supercapacitors. Chemical Communications, 2019, 55, 14890-14893.	2.2	78
78	The biocompatibility of titanium cardiovascular devices seeded with autologous blood-derived endothelial progenitor cells. Biomaterials, 2011, 32, 10-18.	5.7	77
79	Thermoelectric Bi₂Te₃-improved charge collection for high-performance dye-sensitized solar cells. Energy and Environmental Science, 2012, 5, 6294-6298.	15.6	77
80	Successive surface engineering of TiO₂ compact layers via dual modification of fullerene derivatives affording hysteresis-suppressed high-performance perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 1724-1733.	5.2	77
81	Super-helices self-assembled from a binary system of amphiphilic polypeptide block copolymers and polypeptide homopolymers. Chemical Communications, 2009, , 2709.	2.2	76
82	Crystallinity and defect state engineering in organo-lead halide perovskite for high-efficiency solar cells. Journal of Materials Chemistry A, 2016, 4, 3806-3812.	5.2	76
83	Ultrafast and Efficient Detection of Formaldehyde in Aqueous Solutions Using Chitosan-based Fluorescent Polymers. ACS Sensors, 2018, 3, 2394-2401.	4.0	76
84	A Hollow Microtubular Triazineâ€and Benzobisoxazoleâ€Based Covalent Organic Framework Presenting Spongeâ€Like Shells That Functions as a Highâ€Performance Supercapacitor. Chemistry - an Asian Journal, 2019, 14, 1429-1435.	1.7	76
85	Glucose-responsive polymer brushes for microcantilever sensing. Journal of Materials Chemistry, 2010, 20, 3391.	6.7	74
86	Anti-freezing organohydrogel triboelectric nanogenerator toward highly efficient and flexible human-machine interaction at â˜’Â30ÂÂ°C. Nano Energy, 2021, 90, 106614.	8.2	74
87	Wafer-scale synthesis of defined polymer brushes under ambient conditions. Polymer Chemistry, 2015, 6, 8176-8183.	1.9	73
88	Nonconjugated Polymer Poly(vinylpyrrolidone) as an Efficient Interlayer Promoting Electron Transport for Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2017, 9, 32957-32964.	4.0	73
89	Rationally Optimized Fluorescent Probe for Imaging Mitochondrial SO₂ in HeLa Cells and Zebrafish. Analytical Chemistry, 2018, 90, 12442-12448.	3.2	73
90	Micro-/Macroscopically Synergetic Control of Switchable 2D/3D Photothermal Water Purification Enabled by Robust, Portable, and Cost-Effective Cellulose Papers. ACS Applied Materials & Interfaces, 2019, 11, 15498-15506.	4.0	73

#	Article	IF	Citations
91	pH and Thermo Dualâ€Responsive Fluorescent Hydrogel Actuator. Macromolecular Rapid Communications, 2019, 40, e1800648.	2.0	73
92	Direct solution deposition of device quality Sb2S3-xSex films for high efficiency solar cells. Solar Energy Materials and Solar Cells, 2018, 183, 52-58.	3.0	72
93	Progress in aggregationâ€induced emissionâ€active fluorescent polymeric hydrogels. Aggregate, 2021, 2, e37.	5.2	71
94	Recent Progress in Superhydrophilic Carbon-Based Composite Membranes for Oil/Water Emulsion Separation. ACS Applied Materials & Interfaces, 2021, 13, 36679-36696.	4.0	70
95	Tunable wettability in surface-modified ZnO-based hierarchical nanostructures. Applied Physics Letters, 2008, 92, .	1.5	69
96	Electric field induced structural color changes of SiO2@TiO2 coreâ€“shell colloidal suspensions. Journal of Materials Chemistry C, 2014, 2, 1990.	2.7	69
97	Giant Gold Nanowire Vesicle-Based Colorimetric and SERS Dual-Mode Immunosensor for Ultrasensitive Detection of Vibrio parahemolyticus. Analytical Chemistry, 2018, 90, 6124-6130.	3.2	69
98	Tough and Fatigue Resistant Biomimetic Hydrogels of Interlaced Self-Assembled Conjugated Polymer Belts with a Polyelectrolyte Network. Chemistry of Materials, 2014, 26, 3522-3529.	3.2	68
99	Robust construction of underwater superoleophobic CNTs/nanoparticles multifunctional hybrid membranes via interception effect for oily wastewater purification. Journal of Membrane Science, 2019, 569, 32-40.	4.1	68
100	Actuating Supramolecular Shape Memorized Hydrogel Toward Programmable Shape Deformation. Small, 2020, 16, e2005461.	5.2	68
101	Self-Diffusion Driven Ultrafast Detection of ppm-Level Nitroaromatic Pollutants in Aqueous Media Using a Hydrophilic Fluorescent Paper Sensor. ACS Applied Materials & Interfaces, 2017, 9, 23884-23893.	4.0	67
102	Entanglement-Driven Adhesion, Self-Healing, and High Stretchability of Double-Network PEG-Based Hydrogels. ACS Applied Materials & Interfaces, 2019, 11, 36458-36468.	4.0	67
103	Heteroporous bifluorenylidene-based covalent organic frameworks displaying exceptional dye adsorption behavior and high energy storage. Journal of Materials Chemistry A, 2020, 8, 25148-25155.	5.2	66
104	Study on the Electrochemical Behavior of Poly(ferrocenylsilane) Films. Journal of Physical Chemistry B, 2004, 108, 5627-5633.	1.2	64
105	Highly Efficient Actuator of Graphene/Polydopamine Uniform Composite Thin Film Driven by Moisture Gradients. Advanced Materials Interfaces, 2016, 3, 1600169.	1.9	64
106	Promotion of Color-Changing Luminescent Hydrogels from Thermo to Electrical Responsiveness toward Biomimetic Skin Applications. ACS Nano, 2021, 15, 10415-10427.	7.3	64
107	Aggregation-Caused Quenching-Type Naphthalimide Fluorophores Grafted and Ionized in a 3D Polymeric Hydrogel Network for Highly Fluorescent and Locally Tunable Emission. ACS Macro Letters, 2019, 8, 937-942.	2.3	63
108	Phase Engineering of Perovskite Materials for High-Efficiency Solar Cells: Rapid Conversion of CH₃NH₃PbI₃ to Phase-Pure CH₃NH₃PbCl₃ via Hydrochloric Acid Vapor Annealing Post-Treatment. ACS Applied Materials & Interfaces, 2018, 10, 1897-1908.	4.0	62

#	Article	IF	Citations
109	The influence of seeding conditions and shielding gas atmosphere on the synthesis of silver nanowires through the polyol process. Nanotechnology, 2006, 17, 466-474.	1.3	61
110	A smart hybrid system of Au nanoparticle immobilized PDMAEMA brushes for thermally adjustable catalysis. Chemical Communications, 2014, 50, 1212-1214.	2.2	61
111	Tough and Biocompatible Hydrogels Based on in Situ Interpenetrating Networks of Dithiol-Connected Graphene Oxide and Poly(vinyl alcohol). ACS Applied Materials & Interfaces, 2015, 7, 3003-3008.	4.0	61
112	Asymmetric bilayer CNTs-elastomer/hydrogel composite as soft actuators with sensing performance. Chemical Engineering Journal, 2021, 415, 128988.	6.6	61
113	A remarkable sensitivity enhancement in a gold nanoparticle-based lateral flow immunoassay for the detection of Escherichia coli O157:H7. RSC Advances, 2015, 5, 45092-45097.	1.7	60
114	Gelatin Nanoparticleâ€Injectable Plateletâ€Rich Fibrin Double Network Hydrogels with Local Adaptability and Bioactivity for Enhanced Osteogenesis. Advanced Healthcare Materials, 2020, 9, e1901469.	3.9	60
115	Instant interfacial self-assembly for homogeneous nanoparticle monolayer enabled conformal â€œlift-onâ€•thin film technology. Science Advances, 2021, 7, eabk2852.	4.7	59
116	Micelle formation and drug release behavior of polypeptide graft copolymer and its mixture with polypeptide block copolymer. International Journal of Pharmaceutics, 2007, 336, 49-57.	2.6	58
117	Mechanical Robust and Selfâ€Healable Supramolecular Hydrogel. Macromolecular Rapid Communications, 2016, 37, 265-270.	2.0	58
118	Antifreezing and Stretchable Organohydrogels as Soft Actuators. Research, 2019, 2019, 2384347.	2.8	58
119	Controllably self-assembled graphene-supported Au@Pt bimetallic nanodendrites as superior electrocatalysts for methanol oxidation in direct methanol fuel cells. Journal of Materials Chemistry A, 2016, 4, 7352-7364.	5.2	57
120	Acetate Salts as Nonhalogen Additives To Improve Perovskite Film Morphology for High-Efficiency Solar Cells. ACS Applied Materials & Interfaces, 2016, 8, 15333-15340.	4.0	56
121	Programming Multistate Aggregationâ€Induced Emissive Polymeric Hydrogel into 3D Structures for Onâ€Demand Information Decryption and Transmission. Advanced Intelligent Systems, 2021, 3, 2000239.	3.3	56
122	Ultrafast Formation of Free-Standing 2D Carbon Nanotube Thin Films through Capillary Force Driving Compression on an Air/Water Interface. Chemistry of Materials, 2016, 28, 7125-7133.	3.2	54
123	Effect of silver nanowires on electrical conductance of system composed of silver particles. Journal of Materials Science, 2007, 42, 3172-3176.	1.7	53
124	Self-assembly and photo-responsive behavior of novel ABC2-type block copolymers containing azobenzene moieties. Soft Matter, 2012, 8, 3131.	1.2	53
125	Thalia dealbata Inspired Anisotropic Cellular Biomass Derived Carbonaceous Aerogel. ACS Sustainable Chemistry and Engineering, 2018, 6, 17152-17159.	3.2	51
126	Ionoprinting controlled information storage of fluorescent hydrogel for hierarchical and multi-dimensional decryption. Science China Materials, 2019, 62, 831-839.	3.5	51

#	Article	IF	Citations
127	Columnâ€toâ€Beam Structure House Inspired MXeneâ€Based Integrated Membrane with Stable Interlayer Spacing for Water Purification. Advanced Functional Materials, 2022, 32, .	7.8	51
128	Macroscopic two-dimensional monolayer films of gold nanoparticles: fabrication strategies, surface engineering and functional applications. Nanoscale, 2020, 12, 7433-7460.	2.8	47
129	Strainâ€Insensitive Selfâ€Powered Tactile Sensor Arrays Based on Intrinsically Stretchable and Patternable Ultrathin Conformal Wrinkled Grapheneâ€Elastomer Composite. Advanced Functional Materials, 2022, 32, .	7.8	47
130	Application of an efficient strategy based on liquid-liquid extraction, high-speed counter-current chromatography, and preparative HPLC for the rapid enrichment, separation, and purification of four anthraquinones fromRheum tanguticum. Journal of Separation Science, 2014, 37, 165-170.	1.3	46
131	A Novel Anisotropic Hydrogel with Integrated Selfâ€Deformation and Controllable Shape Memory Effect. Macromolecular Rapid Communications, 2018, 39, e1800019.	2.0	46
132	Hydrophilic/Hydrophobic Interphase-Mediated Bubble-like Stretchable Janus Ultrathin Films toward Self-Adaptive and Pneumatic Multifunctional Electronics. ACS Nano, 2019, 13, 4368-4378.	7.3	46
133	Fluorescent Hydrogelâ€Coated Paper/Textile as Flexible Chemosensor for Visual and Wearable Mercury(II) Detection. Advanced Materials Technologies, 2019, 4, 1800201.	3.0	46
134	Recent progress in the shape deformation of polymeric hydrogels from memory to actuation. Chemical Science, 2021, 12, 6472-6487.	3.7	46
135	Enhancing cycle stability and storage property of LiNi 0.8 Co 0.15 Al 0.05 O 2 by using fast cooling method. Electrochimica Acta, 2017, 227, 225-234.	2.6	45
136	Ultrastable porous organic/inorganic polymers based on polyhedral oligomeric silsesquioxane (POSS) hybrids exhibiting high performance for thermal property and energy storage. Microporous and Mesoporous Materials, 2021, 328, 111505.	2.2	45
137	Study on attachment of highly branched molecules onto multiwalled carbon nanotubes. Materials Letters, 2005, 59, 2085-2089.	1.3	44
138	Cephalopodâ€Inspired Design of Photomechanically Modulated Display Systems for Onâ€Demand Fluorescent Patterning. Advanced Materials, 2022, 34, e2107452.	11.1	44
139	Sphagnum Inspired gâ€C₃N₄ Nano/Microspheres with Smaller Bandgap in Heterojunction Membranes for Sunlightâ€Driven Water Purification. Small, 2021, 17, e2007122.	5.2	43
140	Atmospheric Hygroscopic Ionogels with Dynamically Stable Cooling Interfaces Enable a Durable Thermoelectric Performance Enhancement. Advanced Materials, 2021, 33, e2103937.	11.1	43
141	Bioinspired Synergistic Fluorescenceâ€Colorâ€Switchable Polymeric Hydrogel Actuators. Angewandte Chemie, 2019, 131, 16389-16397.	1.6	42
142	Electrochemical Behavior of Poly(ferrocenyldimethylsilane-b-dimethylsiloxane) Films. Journal of Physical Chemistry B, 2005, 109, 4624-4630.	1.2	41
143	2D Janus Hybrid Materials of Polymerâ€Grafted Carbon Nanotube/Graphene Oxide Thin Film as Flexible, Miniature Electric Carpet. Advanced Functional Materials, 2015, 25, 2428-2435.	7.8	41
144	CNTs/TiO2 composite membrane with adaptable wettability for on-demand oil/water separation. Journal of Cleaner Production, 2020, 275, 124011.	4.6	40

#	Article	IF	Citations
145	Site-selective localization of analytes on gold nanorod surface for investigating field enhancement distribution in surface-enhanced Raman scattering. Nanoscale, 2011, 3, 1575.	2.8	39
146	Engineering Gold Nanoparticles in Compass Shape with Broadly Tunable Plasmon Resonances and High-Performance SERS. ACS Applied Materials & Interfaces, 2016, 8, 27949-27955.	4.0	39
147	Humidity-Responsive Gold Aerogel for Real-Time Monitoring of Human Breath. Langmuir, 2018, 34, 4908-4913.	1.6	39
148	Dynamically Bioresponsive DNA Hydrogel Incorporated with Dual-Functional Stem Cells from Apical Papilla-Derived Exosomes Promotes Diabetic Bone Regeneration. ACS Applied Materials & Interfaces, 2022, 14, 16082-16099.	4.0	39
149	Preparation and characterization of dendritic silver nanoparticles. Journal of Materials Science, 2005, 40, 1681-1683.	1.7	38
150	A microcontact printing induced supramolecular self-assembled photoactive surface for patterning polymer brushes. Chemical Communications, 2013, 49, 11167.	2.2	38
151	pH and Temperature Dual-Responsive Plasmonic Switches of Gold Nanoparticle Monolayer Film for Multiple Anticounterfeiting. Langmuir, 2018, 34, 13047-13056.	1.6	38
152	Construction of superhydrophilic and under-water superoleophobic carbon-based membranes for water purification. RSC Advances, 2016, 6, 73399-73403.	1.7	37
153	Amplifying the signal of localized surface plasmon resonance sensing for the sensitive detection of Escherichia coli O157:H7. Scientific Reports, 2017, 7, 3288.	1.6	37
154	Naphthalimideâ€Based Aggregationâ€Induced Emissive Polymeric Hydrogels for Fluorescent Pattern Switch and Biomimetic Actuators. Macromolecular Rapid Communications, 2020, 41, e2000123.	2.0	37
155	Macroscopic self-assembly of hyperbranched polyesters. Polymer, 2006, 47, 12-17.	1.8	36
156	Temperature-, pH- and CO2-Sensitive Poly(N-isopropylacryl amide-co-acrylic acid) Copolymers with High Glass Transition Temperatures. Polymers, 2016, 8, 434.	2.0	36
157	Integrated dynamic wet spinning of core-sheath hydrogel fibers for optical-to-brain/tissue communications. National Science Review, 2021, 8, nwaa209.	4.6	36
158	Synthesis and self-assembly of amphiphilic maleic anhydrideâ€“stearyl methacrylate copolymer. Polymer, 2005, 46, 11157-11164.	1.8	35
159	Fabrication of Micropatterned Stimulusâ€Responsive Polymerâ€Brush â€˜Anemoneâ€™. Advanced Materials, 2009, 21, 1825-1829.	11.1	35
160	UV light-initiated RAFT polymerization induced self-assembly. Polymer Chemistry, 2015, 6, 6129-6132.	1.9	35
161	Hollow Au-Ag Nanoparticles Labeled Immunochromatography Strip for Highly Sensitive Detection of Clenbuterol. Scientific Reports, 2017, 7, 41419.	1.6	35
162	Multifunctional CNTs-PAA/MIL101(Fe)@Pt Composite Membrane for High-throughput Oily Wastewater Remediation. Journal of Hazardous Materials, 2021, 403, 123547.	6.5	35

#	Article	IF	Citations
163	Multiâ€Field Synergy Manipulating Soft Polymeric Hydrogel Transformers. Advanced Intelligent Systems, 2021, 3, 2000208.	3.3	35
164	Synthesis and self-assembly of poly(benzyl ether)-b-poly(methyl methacrylate) dendritic-linear polymers. Polymer, 2005, 46, 81-87.	1.8	34
165	Synthesis and selfâ€assembly behavior of amphiphilic polypeptideâ€based brushâ€coil block copolymers. Journal of Polymer Science Part A, 2009, 47, 5967-5978.	2.5	34
166	Micro-contact printing of graphene oxide nanosheets for fabricating patterned polymer brushes. Chemical Communications, 2014, 50, 7103.	2.2	34
167	Polymer brush functionalized Janus graphene oxide/chitosan hybrid membranes. RSC Advances, 2014, 4, 22759.	1.7	34
168	Green flexible electronics based on starch. Npj Flexible Electronics, 2022, 6, .	5.1	34
169	Cableâ€Driven Continuum Robot Perception Using Skinâ€Like Hydrogel Sensors. Advanced Functional Materials, 2022, 32, .	7.8	34
170	Macroscopic Orientational Gold Nanorods Monolayer Film with Excellent Photothermal Anticounterfeiting Performance. Advanced Optical Materials, 2020, 8, 1902082.	3.6	33
171	Macroscopic Au@PANI Core/Shell Nanoparticle Superlattice Monolayer Film with Dual-Responsive Plasmonic Switches. ACS Applied Materials & Interfaces, 2020, 12, 11296-11304.	4.0	33
172	Chlorine contaminants poisoning of solid oxide fuel cells. Journal of Solid State Electrochemistry, 2011, 15, 1077-1085.	1.2	32
173	Biomimetic organohydrogel actuator with high response speed and synergistic fluorescent variation. Chemical Engineering Journal, 2022, 429, 132290.	6.6	32
174	Dualâ€Channel Flexible Strain Sensors Based on Mechanofluorescent and Conductive Hydrogel Laminates. Advanced Optical Materials, 2022, 10, .	3.6	32
175	Enhanced catalytic degradation of 4-NP using a superhydrophilic PVDF membrane decorated with Au nanoparticles. RSC Advances, 2016, 6, 62302-62309.	1.7	31
176	Aggregation-induced emission of tetraphenylethylene-modified polyethyleneimine for highly selective CO2 detection. Sensors and Actuators B: Chemical, 2016, 228, 551-556.	4.0	31
177	Mechanochromic double network hydrogels as a compression stress sensor. Polymer Chemistry, 2020, 11, 6423-6428.	1.9	31
178	Preparation of nano-polyethylene fibers and floccules using MCM-41-supported metallocene catalytic system under atmospheric pressure. European Polymer Journal, 2005, 41, 797-803.	2.6	30
179	Tuning self-assembly and photo-responsive behavior of azobenzene-containing triblock copolymers by combining homopolymers. Nanotechnology, 2013, 24, 085602.	1.3	30
180	Au nanoparticle-loaded PDMAEMA brush grafted graphene oxide hybrid systems for thermally smart catalysis. RSC Advances, 2014, 4, 44480-44485.	1.7	30

#	Article	IF	Citations
181	Exploring the potential of exfoliated ternary ultrathin Ti₄AlN₃ nanosheets for fabricating hybrid patterned polymer brushes. RSC Advances, 2015, 5, 70339-70344.	1.7	30
182	Macroscopic Ultrathin Film as Bioâ€Inspired Interfacial Reactor for Fabricating 2D Freestanding Janus CNTs/AuNPs Hybrid Nanosheets with Enhanced Electrical Performance. Advanced Materials Interfaces, 2016, 3, 1600170.	1.9	30
183	Synthesis of well-defined PCL-b-PnBA-b-PMMA ABC-type triblock copolymers: toward the construction of nanostructures in epoxy thermosets. Polymer Chemistry, 2018, 9, 5644-5654.	1.9	30
184	Multifunctional superhydrophobic adsorbents by mixed-dimensional particles assembly for polymorphic and highly efficient oil-water separation. Journal of Hazardous Materials, 2021, 407, 124374.	6.5	30
185	Supramolecular Hydrogel with Orthogonally Responsive R/G/B Fluorophores Enables Multiâ€Color Switchable Biomimetic Soft Skins. Advanced Functional Materials, 2022, 32, 2108830.	7.8	30
186	Macroscopic Assembly of Gold Nanorods into Superstructures with Controllable Orientations by Anisotropic Affinity Interaction. Langmuir, 2017, 33, 13867-13873.	1.6	29
187	Real-Time in Situ Investigation of Supramolecular Shape Memory Process by Fluorescence Switching. Journal of Physical Chemistry C, 2018, 122, 9499-9506.	1.5	29
188	Scalable fabrication of free-standing, stretchable CNT/TPE ultrathin composite films for skin adhesive epidermal electronics. Journal of Materials Chemistry C, 2018, 6, 6666-6671.	2.7	29
189	Reactive spinning to achieve nanocomposite gel fibers: from monomer to fiber dynamically with enhanced anisotropy. Materials Horizons, 2020, 7, 811-819.	6.4	29
190	Ionic Strength and Thermal Dualâ€Responsive Bilayer Hollow Spherical Hydrogel Actuator. Macromolecular Rapid Communications, 2020, 41, e1900543.	2.0	29
191	Biomimetic underwater self-perceptive actuating soft system based on highly compliant, morphable and conductive sandwiched thin films. Nano Energy, 2021, 81, 105617.	8.2	29
192	Heterogeneous structured tough conductive gel fibres for stable and high-performance wearable strain sensors. Journal of Materials Chemistry A, 2021, 9, 12265-12275.	5.2	29
193	Recent Progress in Bionic Skin Based on Conductive Polymer Gels. Macromolecular Rapid Communications, 2021, 42, e2100480.	2.0	29
194	Strontium Ranelate Incorporated Enzyme-Cross-Linked Gelatin Nanoparticle/Silk Fibroin Aerogel for Osteogenesis in OVX-Induced Osteoporosis. ACS Biomaterials Science and Engineering, 2019, 5, 1440-1451.	2.6	28
195	Preparation of gold nanoparticles in the presence of poly(benzyl ether) alcohol dendrons. Materials Chemistry and Physics, 2006, 98, 76-82.	2.0	27
196	Separation of three anthraquinone glycosides including two isomers by preparative highâ€performance liquid chromatography and highâ€speed countercurrent chromatography from Rheum tanguticum Maxim. ex Balf. Journal of Separation Science, 2016, 39, 3105-3112.	1.3	27
197	Dynamic Microcontact Printing for Patterning Polymerâ€Brush Microstructures. Small, 2011, 7, 2148-2152.	5.2	26
198	Controlled preparation of TiO2 hollow microspheres constructed by crosslinked nanochains with high photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2015, 26, 8442-8450.	1.1	26

#	Article	IF	Citations
199	A Multiple Shape Memory Hydrogel Induced by Reversible Physical Interactions at Ambient Condition. Polymers, 2017, 9, 138.	2.0	26
200	An â€œOffâ€theâ€Shelfâ€•Shape Memory Hydrogel Based on the Dynamic Boraxâ€Diol Ester Bonds. Macromolecular Materials and Engineering, 2018, 303, 1800144.	1.7	26
201	Separation of six compounds including two nâ€butyrophenone isomers and two stibene isomers from Rheum tanguticum Maxim by recycling high speed counterâ€current chromatography and preparative highâ€performance liquid chromatography. Journal of Separation Science, 2018, 41, 3660-3668.	1.3	26
202	Stimuli-responsive hydrogel sponge for ultrafast responsive actuator. , 2022, 1, 100002.		26
203	Shell inspired heterogeneous membrane with smaller bandgap toward sunlight-activated sustainable water purification. Chemical Engineering Journal, 2022, 440, 135910.	6.6	26
204	Integrating Photorewritable Fluorescent Information in Shapeâ€Memory Organohydrogel Toward Dual Encryption. Advanced Optical Materials, 2022, 10, .	3.6	26
205	Designing a reductive hybrid membrane to selectively capture noble metallic ions during oil/water emulsion separation with further function enhancement. Journal of Materials Chemistry A, 2018, 6, 10217-10225.	5.2	25
206	Rationally Programmable Paperâ€Based Artificial Trees Toward Multipath Solarâ€Driven Water Extraction from Liquid/Solid Substrates. Solar Rrl, 2019, 3, 1900004.	3.1	25
207	Synthesis and self-assembly of hyperbranched polymers with benzoyl terminal arms. Journal of Polymer Science Part A, 2005, 43, 5554-5561.	2.5	24
208	Electrochemical behavior on poly(ferrocenyldimethylsilane)-b-poly(benzyl ether) linear-dendritic organometallic polymer films. Journal of Electroanalytical Chemistry, 2006, 586, 122-127.	1.9	24
209	Pd-on-Au Supra-nanostructures Decorated Graphene Oxide: An Advanced Electrocatalyst for Fuel Cell Application. Langmuir, 2016, 32, 8557-8564.	1.6	24
210	Giant Vesicles with Anchored Tiny Gold Nanowires: Fabrication and Surface-Enhanced Raman Scattering. Langmuir, 2017, 33, 13376-13383.	1.6	24
211	Biofriendly and Regenerable Emotional Monitor from Interfacial Ultrathin 2D PDA/AuNPs Cross-linking Films. ACS Applied Materials & Interfaces, 2019, 11, 36259-36269.	4.0	24
212	Tough Gel-Fibers as Strain Sensors Based on Strainâ€“Optics Conversion Induced by Anisotropic Structural Evolution. Chemistry of Materials, 2020, 32, 9675-9687.	3.2	24
213	Synthesis and macroscopic self-assembly of multiarm hyperbranched polyethers with benzoyl-terminated groups. Polymer, 2005, 46, 5351-5357.	1.8	23
214	Coating sulfonated polystyrene microspheres with highly dense gold nanoparticle shell for SERS application. Colloid and Polymer Science, 2013, 291, 2023-2029.	1.0	23
215	Concave gold nanoparticle-based highly sensitive electrochemical IgG immunobiosensor for the detection of antibodyâ€“antigen interactions. RSC Advances, 2015, 5, 58478-58484.	1.7	23
216	Separation of three phenolic highâ€molecularâ€weight compounds from the crude extract of Terminalia Chebula Retz. by ultrasoundâ€assisted extraction and highâ€speed counterâ€current chromatography. Journal of Separation Science, 2016, 39, 1278-1285.	1.3	23

#	Article	IF	Citations
217	Photostability and Moisture Stability of CH₃NH₃PbI₃â€based Solar Cells by Ethyl Cellulose. ChemPlusChem, 2016, 81, 1292-1298.	1.3	23
218	Shape Memory Hydrogels with Simultaneously Switchable Fluorescence Behavior. Macromolecular Rapid Communications, 2018, 39, e1800130.	2.0	23
219	A lotus-inspired janus hybrid film enabled by interfacial self-assembly and in situ asymmetric modification. Chemical Communications, 2018, 54, 12804-12807.	2.2	23
220	Nitrogen-Doped microporous carbons derived from azobenzene and nitrile-functionalized polybenzoxazines for CO2 uptake. Materials Today Communications, 2020, 24, 101111.	0.9	23
221	Asymmetrical Molecular Decoration of Gold Nanorods for Engineering of Shape-Controlled AuNR@Ag Coreâ€“Shell Nanostructures. Langmuir, 2019, 35, 16900-16906.	1.6	22
222	Ligament-Inspired Tough and Anisotropic Fibrous Gel Belt with Programed Shape Deformations via Dynamic Stretching. ACS Applied Materials & Interfaces, 2021, 13, 19291-19300.	4.0	22
223	A panther chameleon skin-inspired core@shell supramolecular hydrogel with spatially organized multi-luminogens enables programmable color change. Cell Reports Physical Science, 2021, 2, 100417.	2.8	22
224	Unusual Emission of Polystyrene-Based Alternating Copolymers Incorporating Aminobutyl Maleimide Fluorophore-Containing Polyhedral Oligomeric Silsesquioxane Nanoparticles. Polymers, 2017, 9, 103.	2.0	21
225	Competitive Hydrogen Bonding Interactions Influence the Secondary and Hierarchical Self-Assembled Structures of Polypeptide-Based Triblock Copolymers. Macromolecules, 2018, 51, 3017-3029.	2.2	21
226	Surface-Initiated Initiators for Continuous Activator Regeneration (SI ICAR) ATRP of MMA from 2,2,6,6â€“tetramethylpiperidineâ€“1â€“oxy (TEMPO) Oxidized Cellulose Nanofibers for the Preparations of PMMA Nanocomposites. Polymers, 2019, 11, 1631.	2.0	21
227	Morphology Evolutions and Mechanical Properties of In Situ Fibrillar Polylactic Acid/Thermoplastic Polyurethane Blends Fabricated by Fused Deposition Modeling. Macromolecular Materials and Engineering, 2019, 304, 1900107.	1.7	21
228	Free-Standing 2D Janus Gold Nanoparticles Monolayer Film with Tunable Bifacial Morphologies via the Asymmetric Growth at Airâ€“Liquid Interface. Langmuir, 2020, 36, 250-256.	1.6	21
229	Bionic Adaptive Thinâ€Membranes Sensory System Based on Microspring Effect for Highâ€Sensitive Airflow Perception and Noncontact Manipulation. Advanced Functional Materials, 2021, 31, 2105323.	7.8	21
230	Biomass-derived nanostructured coatings based on cellulose nanofibers-melanin hybrids toward solar-enabled multifunctional energy management. Nano Energy, 2022, 97, 107180.	8.2	21
231	Four-Octyl itaconate ameliorates periodontal destruction via Nrf2-dependent antioxidant system. International Journal of Oral Science, 2022, 14, .	3.6	21
232	One-step template-free synthesis of hollow coreâ€“shell Î±-Fe₂O₃ microspheres with improved lithium storage and gas-sensing properties. CrystEngComm, 2015, 17, 1173-1181.	1.3	20
233	Tris base assisted synthesis of monodispersed citrate-capped gold nanospheres with tunable size. RSC Advances, 2016, 6, 60916-60921.	1.7	20
234	Polymerization driven monomer passage through monolayer chemical vapour deposition graphene. Nature Communications, 2018, 9, 4051.	5.8	20

#	Article	IF	Citations
235	High-Molecular-Weight PLA-b-PEO-b-PLA Triblock Copolymer Templated Large Mesoporous Carbons for Supercapacitors and CO2 Capture. Polymers, 2020, 12, 1193.	2.0	20
236	Breathable and superhydrophobic photothermic fabric enables efficient interface energy management via confined heating strategy for sustainable seawater evaporation. Chemical Engineering Journal, 2022, 428, 131142.	6.6	20
237	Supramolecular Assembly of Shape Memory and Actuating Hydrogels for Programmable Shape Transformation. ACS Applied Materials & Interfaces, 2022, 14, 3551-3558.	4.0	20
238	Synthesis and self-assembly of hyperbranched polyester peripherally modified by touluene-4-sulfonyl groups. Polymer, 2005, 46, 9501-9507.	1.8	19
239	Self-assembly of poly(ferrocenyldimethylsilane)â€“poly(benzyl ether) linear-dendritic organometallic polymer. European Polymer Journal, 2006, 42, 687-693.	2.6	19
240	Fabrication of Patterned Polymer Brushes on Chemically Active Surfaces by in situ Hydrogenâ€Bondâ€Mediated Attachment of an Initiator. Small, 2010, 6, 1504-1508.	5.2	19
241	Simultaneous Synthesis and Assembly of Silver Nanoparticles to Three-Demensional Superstructures for Sensitive Surface-Enhanced Raman Spectroscopy Detection. ACS Applied Materials & Interfaces, 2014, 6, 21468-21473.	4.0	19
242	Cubic-like BaZrO3 nanocrystals with exposed {001}/{011} facets and tuned electronic band structure for enhanced photocatalytic hydrogen production. Journal of Materials Science, 2019, 54, 1967-1976.	1.7	19
243	Colloidal lithography for fabricating patterned polymer-brush microstructures. Beilstein Journal of Nanotechnology, 2012, 3, 397-403.	1.5	18
244	Sulfonated polystyrene spheres as template for fabricating hollow compact silver spheres via silverâ€“mirror reaction at low temperature. RSC Advances, 2014, 4, 2295-2299.	1.7	18
245	Application of high-speed counter-current chromatography combined with macroporous resin for rapid enrichment and separation of three anthraquinone glycosides and one stilbene glycoside from Rheum tanguticum. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2014, 957, 90-95.	1.2	18
246	Synthesis and Properties Study of the Uniform Nonspherical Styrene/Methacrylic Acid Copolymer Latex Particles. Langmuir, 2015, 31, 105-109.	1.6	18
247	Single cell migration dynamics mediated by geometric confinement. Colloids and Surfaces B: Biointerfaces, 2016, 145, 72-78.	2.5	18
248	Integration of a patterned conductive carbon nanotube thin film with an insulating hydrophobic polymer carpet into robust 2D Janus hybrid flexible electronics. Journal of Materials Chemistry C, 2016, 4, 9750-9755.	2.7	18
249	A water-soluble near-infrared (NIR) fluorescence activation probe for efficient detection of dissolved carbon dioxide. Sensors and Actuators B: Chemical, 2017, 246, 631-637.	4.0	18
250	Phosphotungstic Acid Regulated Chemical Bath Deposition of Sb₂S₃ for Highâ€Efficiency Planar Heterojunction Solar Cell. Energy Technology, 2018, 6, 2126-2131.	1.8	18
251	New Pyrolysis Model for Biomass Particles in a Thermally Thick Regime. Energy & Fuels, 2018, 32, 9399-9414.	2.5	18
252	Modelling the combustion of thermally thick biomass particles. Powder Technology, 2019, 353, 110-124.	2.1	18

#	Article	IF	Citations
253	Preparations of Tough and Conductive PAMPS/PAA Double Network Hydrogels Containing Cellulose Nanofibers and Polypyrroles. Polymers, 2020, 12, 2835.	2.0	18
254	High-temperature pyrolysis modeling of a thermally thick biomass particle based on an MD-derived tar cracking model. Chemical Engineering Journal, 2021, 417, 127923.	6.6	18
255	Studies of preparation of palladium nanoparticles protected by dendrons. Nanotechnology, 2004, 15, 1716-1719.	1.3	17
256	Polymer brush patterning using self-assembled microsphere monolayers as microcontact printing stamps. Soft Matter, 2011, 7, 5532.	1.2	17
257	Manipulating the Motion of Gold Aggregates Using Stimulusâ€Responsive Patterned Polymer Brushes as a Motor. Advanced Functional Materials, 2012, 22, 429-434.	7.8	17
258	Cu_{2â^'x}GeS₃: a new hole transporting material for stable and efficient perovskite solar cells. Journal of Materials Chemistry A, 2017, 5, 19884-19891.	5.2	17
259	Coumarin- and Carboxyl-Functionalized Supramolecular Polybenzoxazines Form Miscible Blends with Polyvinylpyrrolidone. Polymers, 2017, 9, 146.	2.0	17
260	Photoresponsive Azobenzene Materials Based on Pyridine-Functionalized Benzoxazines as Surface Relief Gratings. ACS Applied Polymer Materials, 2020, 2, 791-804.	2.0	17
261	Interfacial self-assembled GR/GO ultrathin membranes on a large scale for molecular sieving. Journal of Materials Chemistry A, 2020, 8, 18735-18744.	5.2	17
262	Separation of three polar compounds from Rheum tanguticum by highâ€speed countercurrent chromatography with an ethyl acetate/glacial acetic acid/water system. Journal of Separation Science, 2018, 41, 1775-1780.	1.3	16
263	Super Hydrophilic Semi-IPN Fluorescent Poly(N-(2-hydroxyethyl)acrylamide) Hydrogel for Ultrafast, Selective, and Long-Term Effective Mercury(II) Detection in a Bacteria-Laden System. ACS Applied Bio Materials, 2019, 2, 906-915.	2.3	16
264	Separation of five flavone glycosides including two groups with similar polarities fromDracocephalum tanguticumby a combination of three highâ€speed counterâ€current chromatography modes. Journal of Separation Science, 2022, 45, 468-476.	1.3	16
265	Bioinspired Adaptive, Elastic, and Conductive Graphene Structured Thin-Films Achieving High-Efficiency Underwater Detection and Vibration Perception. Nano-Micro Letters, 2022, 14, 62.	14.4	16
266	Bioinspired Nanostructured Superwetting Thin-Films in a Self-supported form Enabled â€œMiniature Umbrellaâ€•for Weather Monitoring and Water Rescue. Nano-Micro Letters, 2022, 14, 32.	14.4	16
267	Progress of the Surface Modification of PP Fiber Used in Concrete. Polymer-Plastics Technology and Engineering, 2006, 45, 29-34.	1.9	15
268	Novel organic/inorganic hybrid self-assembly aggregates of ferrocene-poly(styrene)-b-poly[3-(trimethyoxysilyl)propyl methacrylate]. European Polymer Journal, 2009, 45, 639-642.	2.6	15
269	Spatially-controlled growth of platinum on gold nanorods with tailoring plasmonic and catalytic properties. RSC Advances, 2016, 6, 10713-10718.	1.7	15
270	A Sandwiched/Cracked Flexible Film for Multithermal Monitoring and Switching Devices. ACS Applied Materials & Interfaces, 2017, 9, 32184-32191.	4.0	15

#	Article	IF	Citations
271	Synthesis of PNVP-Based Copolymers with Tunable Thermosensitivity by Sequential Reversible Additionâ€“Fragmentation Chain Transfer Copolymerization and Ring-Opening Polymerization. Polymers, 2017, 9, 231.	2.0	15
272	Organicâ€“Organic Hybrid g-C₃N₄/Ethanediamine Nanosheets for Photocatalytic H₂ Evolution. Journal of Physical Chemistry C, 2018, 122, 24725-24731.	1.5	15
273	CFD-DEM Simulation of Biomass Pyrolysis in Fluidized-Bed Reactor with a Multistep Kinetic Scheme. Energies, 2020, 13, 5358.	1.6	15
274	A Ureaseâ€Containing Fluorescent Hydrogel for Transient Information Storage. Angewandte Chemie, 2021, 133, 3684-3690.	1.6	15
275	Self-healing Polymeric Hydrogels: Toward Multifunctional Soft Smart Materials. Chinese Journal of Polymer Science (English Edition), 2021, 39, 1262-1280.	2.0	15
276	Fluorescent Organohydrogel with <scp>Thermalâ€Induced</scp> Color Change for Antiâ€counterfeiting. Chinese Journal of Chemistry, 2022, 40, 337-342.	2.6	15
277	Supramolecular topological hydrogels: from material design to applications. Polymer Chemistry, 2022, 13, 1940-1952.	1.9	15
278	Poly(ferrocenyldimethylsilane-b-dimethylsiloxane) microsphere with shell thickness controllable structure prepared through self-assembly. Polymer, 2005, 46, 5773-5777.	1.8	14
279	Interfacial Reinitiation of Free Radicals Enables the Regeneration of Broken Polymeric Hydrogel Actuators. CCS Chemistry, 2023, 5, 704-717.	4.6	14
280	Large-size bamboo-shape nanotube from self-assembly of poly(ferrocenyldimethylsilane-b-dimethylsiloxane) block copolymer. Polymer, 2005, 46, 7585-7589.	1.8	13
281	Individual Ag Nanowire Dimer for Surface-Enhanced Raman Scattering. Plasmonics, 2011, 6, 761-766.	1.8	13
282	Extending micro-contact printing for patterning complex polymer brush microstructures. Polymer, 2011, 52, 2461-2467.	1.8	13
283	Reaction-Driven Self-Assembled Micellar Nanoprobes for Ratiometric Fluorescence Detection of CS₂ with High Selectivity and Sensitivity. ACS Applied Materials & Interfaces, 2016, 8, 20100-20109.	4.0	13
284	Separation of six xanthones from Swertia franchetiana by highâ€speed countercurrent chromatography. Journal of Separation Science, 2017, 40, 2515-2521.	1.3	13
285	Main Chainâ€“Type Block Copolymers through Atom Transfer Radical Polymerization from Double-Deckerâ€“Shaped Polyhedral Oligomeric Silsesquioxane Hybrids. Polymers, 2020, 12, 465.	2.0	13
286	Pyrolysis Simulation of Thermally Thick Biomass Particles Based on a Multistep Kinetic Scheme. Energy & Fuels, 2020, 34, 1940-1957.	2.5	13
287	Supracolloidal Structures through Liquid-Liquid Interface Driven Assembly and Polymerization. Macromolecular Symposia, 2006, 245-246, 34-41.	0.4	12
288	Preparation of two flavonoid glycosides with unique structures from barley seedlings by membrane separation technology and preparative highâ€performance liquid chromatography. Journal of Separation Science, 2014, 37, 3760-3766.	1.3	12

#	Article	IF	Citations
289	A practicable strategy for enrichment and separation of four minor flavonoids including two isomers from barley seedlings by macroporous resin column chromatography, mediumâ€pressure LC, and highâ€speed countercurrent chromatography. Journal of Separation Science, 2019, 42, 1717-1724.	1.3	12
290	Separation of five flavonoids with similar polarity from Caragana korshinskii Kom. by preparative high speed counterâ€current chromatography with recycling and heart cut mode. Journal of Separation Science, 2020, 43, 3748-3755.	1.3	12
291	Multicolor Fluorescent Polymeric Hydrogels. Angewandte Chemie, 2021, 133, 8690-8706.	1.6	12
292	Biomimetic Skins Enable Strainâ€Perceptionâ€Strengthening Soft Morphing. Advanced Functional Materials, 2022, 32, .	7.8	12
293	Synthesis of multi-arm star polystyrene with hyperbranched polyester initiators by atom transfer radical polymerization. Journal of Applied Polymer Science, 2006, 99, 728-733.	1.3	11
294	Preparation of nanopolyethylene wire with carbon nanotubes-supported Cp2ZrCl2 catalyst. Journal of Applied Polymer Science, 2006, 101, 1291-1294.	1.3	11
295	Fieldâ€Induced Nanolithography for Patterning of Nonâ€Fouling Polymer Brush Surfaces. Small, 2011, 7, 3032-3037.	5.2	11
296	Macroscopicâ€Oriented Gold Nanorods in Polyvinyl Alcohol Films for Polarizationâ€Dependent Multicolor Displays. Advanced Materials Interfaces, 2018, 5, 1800026.	1.9	11
297	Programmable Interface Asymmetric Integration of Carbon Nanotubes and Gold Nanoparticles toward Flexible, Configurable, and Surfaceâ€Enhanced Raman Scattering Active Allâ€inâ€One Solarâ€Driven Evaporators. Energy Technology, 2019, 7, 1900787.	1.8	11
298	Supramolecular Fabrication of Complex 3D Hollow Polymeric Hydrogels with Shape and Function Diversity. ACS Applied Materials & Interfaces, 2019, 11, 48564-48573.	4.0	11
299	Interfacial Fabrication of CNTs/PVDF Bilayer Actuator with Fast Responses to the Light and Organic Solvent Vapor Stimuli. Macromolecular Materials and Engineering, 2021, 306, .	1.7	11
300	Preparation of polyferrocenylsilane via thermal ROP, synthesis of polyferrocenylsilane with methacrylate side chain and its photochemical cross-linking properties. Materials Letters, 2006, 60, 1416-1419.	1.3	10
301	Preparation of organic/inorganic hybrid nanoballs using aggregates of PTMSPMA-b-PSMA-Fc-PSMA-b-PTMSPMA block copolymers as precursors. Nanotechnology, 2006, 17, 2745-2751.	1.3	10
302	Synthesis of a soluble azomethineâ€containing bisphenol and the properties of its modified epoxy thermosets. Journal of Applied Polymer Science, 2007, 106, 1632-1639.	1.3	10
303	Solvent effects on electrochemical behavior of poly(ferrocenylsilane) films. Electrochimica Acta, 2007, 52, 3941-3949.	2.6	10
304	Controlled evaporative self-assembly of Fe₃O₄ nanoparticles assisted by an external magnetic field. RSC Advances, 2015, 5, 31519-31524.	1.7	10
305	An effective method based on mediumâ€pressure liquid chromatography and recycling highâ€speed counterâ€current chromatography for enrichment and separation of three minor components with similar polarity from Dracocephalum tanguticum. Journal of Separation Science, 2019, 42, 684-690.	1.3	10
306	Tillandsiaâ€Inspired Hygroscopic Photothermal Organogels for Efficient Atmospheric Water Harvesting. Angewandte Chemie, 2020, 132, 19399-19408.	1.6	10

#	Article	IF	Citations
307	Ridge preservation applying a novel hydrogel for early angiogenesis and osteogenesis evaluation: an experimental study in canine. Journal of Biological Engineering, 2021, 15, 19.	2.0	10
308	Engineering Janus CNTs/OCS composite membrane at air/water interface for excellent dye molecules screening. Chemical Engineering Journal, 2021, 417, 127947.	6.6	10
309	Synthesis, properties, and self-assembly of poly(benzyl ether)-b-polystyrene dendritic-linear polymers. Journal of Applied Polymer Science, 2005, 98, 1106-1112.	1.3	9
310	A Novel Approach for Preparation of Nano-gold Particles/Carbon Nanotube Composites from Gold Film, Poly(ferrocenylsilane) and Acetylene. Journal of Inorganic and Organometallic Polymers and Materials, 2007, 17, 121-125.	1.9	9
311	One-step hydrothermal synthesis of carbon@Fe3O4 nanoparticles with high adsorption capacity. Journal of Materials Science: Materials in Electronics, 2014, 25, 1381-1387.	1.1	9
312	Fabrication of free-standing multilayer films by using pH-responsive microgels as sacrificial layers. Colloid and Polymer Science, 2014, 292, 1235-1240.	1.0	9
313	Tuning the morphology of amphiphilic copolymer aggregates by compound emulsifier via emulsionâ€“solvent evaporation. Journal of Saudi Chemical Society, 2018, 22, 297-305.	2.4	9
314	Fried egg-like Au mesostructures grown on poly(4-vinylpyridine) brushes grafted onto graphene oxide. New Journal of Chemistry, 2018, 42, 17016-17020.	1.4	9
315	Fluorescent microsphere probe for rapid qualitative and quantitative detection of trypsin activity. Nanoscale Advances, 2019, 1, 162-167.	2.2	9
316	Synthesis of Janus Au@BCP nanoparticles via UV light-initiated RAFT polymerization-induced self-assembly. Nanoscale Advances, 2021, 3, 347-352.	2.2	9
317	A reactor-scale CFD model of soot formation during high-temperature pyrolysis and gasification of biomass. Fuel, 2021, 303, 121240.	3.4	9
318	Low isotactic polypropylene synthesized with a MgCl2/AlCl3-supported Ziegler catalyst. Journal of Molecular Catalysis A, 2006, 244, 146-150.	4.8	8
319	Progress in synthesis of branched ferrocene-based polymers and their applications in supramolecular recognition and as precursors of magnetic materials. Designed Monomers and Polymers, 2007, 10, 389-404.	0.7	8
320	Effect of electrical field on polypeptide phase behavior involving a conformationally coupled anisotropicâ€“isotropic transition. Polymer, 2007, 48, 2056-2063.	1.8	8
321	Close-packed assemblies of discrete tiny silver nanoparticles on triangular gold nanoplates as a high performance SERS probe. RSC Advances, 2015, 5, 94849-94854.	1.7	8
322	Fabricating a morphology tunable patterned bio-inspired polydopamine film directly via microcontact printing. RSC Advances, 2015, 5, 60990-60992.	1.7	8
323	First separation of four aromatic acids and two analogues with similar structures and polarities from Clematis akebioides by highâ€speed counterâ€current chromatography. Journal of Separation Science, 2016, 39, 4660-4666.	1.3	8
324	An Efficient Protocol for Preparation of Gallic Acid fromTerminalia bellirica(Gaertn.) Roxb by Combination of Macroporous Resin and Preparative High-Performance Liquid Chromatography. Journal of Chromatographic Science, 2016, 54, 1220-1224.	0.7	8

#	Article	IF	Citations
325	Heterogemini surfactant assisted synthesis of monodisperse icosahedral gold nanocrystals and their applications in electrochemical biosensing. RSC Advances, 2016, 6, 31301-31307.	1.7	8
326	Shapeâ€Controlled Synthesis of Auâ€“Polypyrrole Composites Using Poly(4â€vinylpyridine) Brush Grafted on Graphene Oxide as a Reaction Chamber. Chemistry - A European Journal, 2017, 23, 17549-17555.	1.7	8
327	3D hierarchical Ag nanostructures formed on poly(acrylic acid) brushes grafted graphene oxide as promising SERS substrates. Nanotechnology, 2018, 29, 115503.	1.3	8
328	Combined chromatographic strategy based on macroporous resin, highâ€speed counterâ€current chromatography and preparative HPLC for systematic separation of seven antioxidants from the fruit of Terminalia billerica. Journal of Separation Science, 2019, 42, 3191-3199.	1.3	8
329	Optimizing supramolecular fluorescent materials with responsive multi-color tunability toward soft biomimetic skins. Materials Chemistry Frontiers, 2021, 5, 5130-5141.	3.2	8
330	Supramolecular fabrication of hyperbranched polyethyleneimine toward nanofiltration membrane for efficient wastewater purification. SusMat, 2021, 1, 558-568.	7.8	8
331	Seawater-Boosting Surface-Initiated Atom Transfer Radical Polymerization for Functional Polymer Brush Engineering. ACS Macro Letters, 2022, 11, 693-698.	2.3	8
332	Study on synthesis and properties of poly(ferrocenylnbutylmethylsilane) with unsymmetrical silicon substitution groups. European Polymer Journal, 2006, 42, 843-848.	2.6	7
333	Synthesis, characterization, and pressure-sensitive properties of butyl acrylate and methyl acrylate copolymers. Journal of Applied Polymer Science, 2006, 101, 1535-1542.	1.3	7
334	Electrochemical behaviors of poly(ferrocenylsilane) solutions. Journal of Applied Polymer Science, 2007, 103, 789-794.	1.3	7
335	Study on synthesis of two-armed polymers containing a crown ether core and their self-assembly behaviors in selective solvents. European Polymer Journal, 2007, 43, 2088-2095.	2.6	7
336	Study on electric field induced structural color change of Fe3O4@C hybrid nanoparticles. Materials Research Express, 2014, 1, 045037.	0.8	7
337	Controlled Evaporative Self-Assembly of Poly(acrylic acid) in a Confined Geometry for Fabricating Patterned Polymer Brushes. Langmuir, 2014, 30, 4863-4867.	1.6	7
338	Rapid Screening, Identification, Separation, and Purification of Four Bioactive Compounds fromSwertia mussotiiFranch. Separation Science and Technology, 2015, 50, 604-610.	1.3	7
339	Behavior of anode-supported SOFCs under simulated syngases. Journal of Solid State Electrochemistry, 2015, 19, 639-646.	1.2	7
340	Facile Synthesis of Uniform Raspberry-Like Gold Nanoparticles for High Performance Surface Enhanced Raman Scattering. Journal of Nanoscience and Nanotechnology, 2016, 16, 5683-5688.	0.9	7
341	Air/Water Interfacial Formation of â€œCleanâ€•Tiny AuNPs Anchored Densely on CNT Film for Electrocatalytic Alcohol Oxidation. Advanced Materials Interfaces, 2017, 4, 1601105.	1.9	7
342	Actuators: Bioinspired Anisotropic Hydrogel Actuators with Onâ€“Off Switchable and Colorâ€Tunable Fluorescence Behaviors (Adv. Funct. Mater. 7/2018). Advanced Functional Materials, 2018, 28, 1870043.	7.8	7

#	Article	IF	Citations
343	Spontaneous Growth of 3D Silver Mesoflowers on Poly(4â€vinylpyridine) Brushesâ€Graftedâ€Graphene Oxide Films and Facile Creation of Nanoporosities over their Surface. Chemistry - A European Journal, 2019, 25, 16377-16381.	1.7	7
344	Electrically responsive structural colors from colloidal crystal arrays of PS@PANI coreâ€"shell nanoparticles. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 577, 75-83.	2.3	7
345	Phase Behavior of Ternary Systems Involving a Conformationally Variable Chain and a Randomly Coiled Polymer:Â Effect of External Orientational Field. Macromolecules, 2004, 37, 5461-5467.	2.2	6
346	Trace Elements inLycium barbarumL. Leaves by Inductively Coupled Plasma Mass Spectrometry after Microwave Assisted Digestion and Multivariate Analysis. Spectroscopy Letters, 2015, 48, 775-780.	0.5	6
347	Direct supramolecular interacted graphene oxide assembly on graphene as an active and defect-free functional platform. Chemical Communications, 2017, 53, 1949-1952.	2.2	6
348	3D Graphene Oxide Micropatterns Achieved by Rollerâ€Assisted Microcontact Printing Induced Interface Integral Peel and Transfer. Advanced Materials Interfaces, 2017, 4, 1600867.	1.9	6
349	Chlorinated fluorine doped tin oxide electrodes with high work function for highly efficient planar perovskite solar cells. Applied Physics Letters, 2017, 110, .	1.5	6
350	Constructing oxidized carbon spheres-based heterogeneous membrane with high surface energy for energy-free water purification. Chemical Engineering Journal, 2022, 431, 134132.	6.6	6
351	Mechanochemical transformation of fluorescent hydrogel based on dynamic lanthanide-terpyridine coordination. Chinese Chemical Letters, 2023, 34, 107290.	4.8	6
352	Bioinspired Interface-Guided Conformal Janus Membranes with Enhanced Adhesion for Flexible Multifunctional Electronics. Chemistry of Materials, 2022, 34, 5980-5990.	3.2	6
353	Study on Ethylene-Î±-Olefin Copolymerization Catalyzed by the MgCl₂-Supported and Low Ti-Loading Zieglerâ€"Natta Catalyst. Polymer-Plastics Technology and Engineering, 2006, 45, 1053-1058.	1.9	5
354	Hydrothermal synthesis of monodisperse dodecahedron Î±-Fe2O3 nanocrystals with high photocatalytic activity. Journal of Materials Science: Materials in Electronics, 2014, 25, 5593-5600.	1.1	5
355	Poly(2-vinylpyridine) brushes as a reaction chamber to fabricate spiky gold nanoparticles. RSC Advances, 2017, 7, 28024-28028.	1.7	5
356	Silver Nanoplates and Gold Nanospheres as Probesfor Revealing an â€œInterferenceâ€•Phenomenon in a Simultaneous Quantitative Immunochromatographic Assay. Food Analytical Methods, 2019, 12, 1666-1673.	1.3	5
357	The applicability of pH-zone-refining counter-current chromatography for preparative separation of biosynthesis products: Glycosylation products as example. Journal of Chromatography A, 2021, 1657, 462582.	1.8	5
358	HSCCC Separation of Three Main Compounds from the Crude Extract of Dracocephalum Tanguticum by Using Dimethyl Sulfoxide as Cosolvent. Journal of Chromatographic Science, 2021, 59, 175-181.	0.7	5
359	Efficient separation of five flavonoids from Oxytropis falcata bunge by high-speed counter-current chromatography and their anticancer activity. Acta Chromatographica, 2020, 32, 189-193.	0.7	5
360	The applicability of highâ€speed counterâ€current chromatography for preparative separation of biosynthesis products: Glycosylation products as example. Journal of Separation Science, 2021, 44, 4368-4375.	1.3	5

#	Article	IF	Citations
361	Synthesis of poly(ferrocenylsilanes) with different molecular weight and their electrochemical behavior. Journal of Applied Polymer Science, 2006, 100, 473-477.	1.3	4
362	Manifestation of electrolyte ion size effect on electrochemical behavior of poly(ferrocenylsilane) films. Journal of Applied Polymer Science, 2006, 101, 515-523.	1.3	4
363	Phase equilibria of polymer dispersed liquid crystal systems in the presence of an external electrical field. Journal of Polymer Science, Part B: Polymer Physics, 2007, 45, 1898-1906.	2.4	4
364	Isolation and Purification of Three Analogues from Clematis akebioides by Molecularly Imprinted Solid-Phase Extraction and HSCCC. Chromatographia, 2017, 80, 1651-1658.	0.7	4
365	Air/water interfacial growth of Pt nanothorns anchored in situ on macroscopic freestanding CNT thin film for efficient methanol oxidation. New Journal of Chemistry, 2019, 43, 6063-6068.	1.4	4
366	The R168G heterozygous mutation of tropomyosin 3 (TPM3) was identified in three family members and has manifestations ranging from asymptotic to serve scoliosis and respiratory complications. Genes and Diseases, 2021, 8, 715-720.	1.5	4
367	Comparison of inâ€šsitu bone ring technique and tentâ€pole technique for horizontally deficient alveolar ridge in the anterior maxilla. Clinical Implant Dentistry and Related Research, 2020, 22, 167-176.	1.6	4
368	Multicolor Fluorescent Polymeric Actuator with Selfâ€Sustained Oscillation Behavior. Macromolecular Materials and Engineering, 2021, 306, 2000781.	1.7	4
369	Separation of a new triterpenoid saponin together with six known ones from Clematis tangutica (Maxim.) Korsh and evaluation of their cytotoxic activities. Natural Product Research, 2023, 37, 375-382.	1.0	4
370	Programmatically Regulating Morphological Evolution of Inert Polymeric Hydrogels Using Anchored Large-Deformable Muscle. Chemistry of Materials, 2022, 34, 6582-6592.	3.2	4
371	Study on the surface grafting of polypropylene fibers. Journal of Applied Polymer Science, 2006, 99, 734-737.	1.3	3
372	Preparation of Novel Carbon Nanorods and Nanotubes Using Poly(Ferrocenylsilanes) as Self-Catalyzed Precursors. Polymer-Plastics Technology and Engineering, 2011, 50, 755-757.	1.9	3
373	PREPARATIVE ISOLATION AND PURIFICATION OF LUTONARIN AND SAPONARIN FROM BARLEY SEEDLINGS BY HSCCC. Journal of Liquid Chromatography and Related Technologies, 2012, 35, 2524-2532.	0.5	3
374	Detecting the cross-linking process of hybrid large-compound vesicles by an electrochemical method. Colloid and Polymer Science, 2012, 290, 861-866.	1.0	3
375	One-Step Isolation and Purification of Four Xanthone Glycosides from Tibetan Medicinal PlantHalenia ellipticaby High-Speed Counter-Current Chromatography. Separation Science and Technology, 2014, 49, 1119-1124.	1.3	3
376	Temperature-Dependent Self-Assembly/Disassembly of Gold Nanoparticles Oligomers. Journal of Nanoscience and Nanotechnology, 2016, 16, 5829-5832.	0.9	3
377	Separation of 4â€™-demethyldeoxypodophyllotoxin from Sinopodophyllum emodi by medium-pressure LC and high-speed counter-current chromatography guided by HPLC-MS. Separation Science and Technology, 2017, 52, 1423-1429.	1.3	3
378	Mechanistic Investigation of Au(III)â€Catalyzed Cycloisomerizations of Nâ€Propargylcarboxamides. European Journal of Organic Chemistry, 2019, 2019, 6822-6829.	1.2	3

#	Article	IF	Citations
379	Aggregationâ€Induced Emissive Carbon Dots Gels for Octopusâ€Inspired Shape/Color Synergistically Adjustable Actuators. Angewandte Chemie, 2021, 133, 22061-22069.	1.6	3
380	Study on the distribution of active centers in novel low Ti-loading MgCl2-supported Ziegler-Natta catalyst. Journal of Zhejiang University Science B, 2004, 5, 912-917.	0.4	3
381	Synthesis and self-assembly of hyperbranched polyethers peripherally modified with adenosine 5â€²-monophosphate. Journal of Applied Polymer Science, 2006, 99, 1147-1152.	1.3	2
382	Study on the microstructures of polypropylene synthesized by a novel MgCl2-supported and low Ti-loading Zieglerâ€“Natta catalyst. Designed Monomers and Polymers, 2007, 10, 477-486.	0.7	2
383	Large-Scale Preparation of a Specific Xanthone from Swertia mussotii and Evaluation of Its Î±-Glucosidase Inhibitory Activity. Journal of Chromatographic Science, 2017, 55, 638-644.	0.7	2
384	Nature-inspired polymer catalyst for formulating on/off-selective catalytic ability, by virtue of recognition/misrecognition-alterable scaffolds. Journal of Inorganic and Organometallic Polymers and Materials, 2021, 31, 2521-2531.	1.9	2
385	Tension-compression asymmetry of the stress-strain behavior of the stacked graphene assembly: Experimental measurement and theoretical interpretation. Journal of the Mechanics and Physics of Solids, 2021, 157, 104642.	2.3	2
386	Separation of eight phenolic compounds from the over-ground parts of Aconitum pendulum Busch by repeated injection high-speed counter-current chromatography. Separation Science and Technology, 2022, 57, 1585-1594.	1.3	2
387	Coral-like hierarchically nanostructured membrane with high free volume for salt-free solar-enabled water purification. Materials Today Physics, 2022, 25, 100715.	2.9	2
388	Rational control of anisotropic nanocomposites for engineered nanocatives and SERS application. , 2010, , .		1
389	A direct microcontact printing induced supramolecular interaction for creating shape-tunable patterned polymeric surfaces. Journal of Materials Chemistry C, 2015, 3, 8659-8664.	2.7	1
390	3D cone beam computed tomography reconstruction images in diagnosis of ameloblastomas of lower jaw: A case report and mini review. Journal of X-Ray Science and Technology, 2018, 26, 133-140.	0.7	1
391	Water Purification: Sphagnum Inspired gâ€C₃N₄ Nano/Microspheres with Smaller Bandgap in Heterojunction Membranes for Sunlightâ€Driven Water Purification (Small 12/2021). Small, 2021, 17, 2170054.	5.2	1
392	Preparation and Surface Morphology Control of Self-Assembled Graphene Oxide/Chitosan Composite Membrane. Science of Advanced Materials, 2015, 7, 1083-1089.	0.1	1
393	Time-Domain-Based Methyl Proton NMR with Absolute Quantitation Ability for Targeted Metabolomics. Analytical Chemistry, 2022, 94, 10062-10073.	3.2	1
394	One step synthesis of Î²-FeOOH nanowire bundles/graphene oxide nanocomposites. Journal of Materials Science: Materials in Electronics, 2014, 25, 3680-3686.	1.1	0
395	Thin Films: 2D Janus Hybrid Materials of Polymerâ€Grafted Carbon Nanotube/Graphene Oxide Thin Film as Flexible, Miniature Electric Carpet (Adv. Funct. Mater. 16/2015). Advanced Functional Materials, 2015, 25, 2479-2479.	7.8	0
396	Efficient One-Step Separation of Five Flavonoids from the Crude Extract of the Waste Pomace of Sea Buckthorn Berries through Counter-Current Chromatography. Journal of Chromatographic Science, 2021, , .	0.7	0