Yen Wei

List of Publications by Year
in descending order

473 papers	29,466 citations	3325 91 h-index	8599 146 g-index
482 all docs	482 docs citations	482 times ranked	25052 citing authors

#	Article	IF	Citations
1	Oneâ€Dimensional Composite Nanomaterials: Synthesis by Electrospinning and Their Applications. Small, 2009, 5, 2349-2370.	5.2	801
2	Mouldable liquid-crystalline elastomer actuators with exchangeable covalent bonds. Nature Materials, 2014, 13, 36-41.	13.3	670
3	Synthesis of Multiresponsive and Dynamic Chitosan-Based Hydrogels for Controlled Release of Bioactive Molecules. Biomacromolecules, 2011, 12, 2894-2901.	2.6	578
4	Recent developments in polydopamine: an emerging soft matter for surface modification and biomedical applications. Nanoscale, 2016, 8, 16819-16840.	2.8	509
5	Polymeric AIE-based nanoprobes for biomedical applications: recent advances and perspectives. Nanoscale, 2015, 7, 11486-11508.	2.8	485
6	Redox-responsive polymers for drug delivery: from molecular design to applications. Polymer Chemistry, 2014, 5, 1519-1528.	1.9	483
7	Biocompatible polydopamine fluorescent organic nanoparticles: facile preparation and cell imaging. Nanoscale, 2012, 4, 5581.	2.8	476
8	An Injectable, Selfâ€Healing Hydrogel to Repair the Central Nervous System. Advanced Materials, 2015, 27, 3518-3524.	11.1	471
9	A comparative study of cellular uptake and cytotoxicity of multi-walled carbon nanotubes, graphene oxide, and nanodiamond. Toxicology Research, 2012, 1, 62-68.	0.9	427
10	3D printing of bone tissue engineering scaffolds. Bioactive Materials, 2020, 5, 82-91.	8.6	370
11	Making and Remaking Dynamic 3D Structures by Shining Light on Flat Liquid Crystalline Vitrimer Films without a Mold. Journal of the American Chemical Society, 2016, 138, 2118-2121.	6.6	334
12	Highly Efficient Selfâ€Healable and Dual Responsive Celluloseâ€Based Hydrogels for Controlled Release and 3D Cell Culture. Advanced Functional Materials, 2017, 27, 1703174.	7.8	325
13	Osmotic Power Generation with Positively and Negatively Charged 2D Nanofluidic Membrane Pairs. Advanced Functional Materials, 2017, 27, 1603623.	7.8	312
14	A magnetic self-healing hydrogel. Chemical Communications, 2012, 48, 9305.	2.2	283
15	CO₂â€Responsive Nanofibrous Membranes with Switchable Oil/Water Wettability. Angewandte Chemie - International Edition, 2015, 54, 8934-8938.	7.2	276
16	Facilely prepared inexpensive and biocompatible self-healing hydrogel: a new injectable cell therapy carrier. Polymer Chemistry, 2012, 3, 3235.	1.9	266
17	Self-polymerization of dopamine and polyethyleneimine: novel fluorescent organic nanoprobes for biological imaging applications. Journal of Materials Chemistry B, 2015, 3, 3476-3482.	2.9	265
18	Carbon nanotubeâ€“vitrimer composite for facile and efficient photo-welding of epoxy. Chemical Science, 2014, 5, 3486-3492.	3.7	258

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19	Synthesis and characterization of electroactive and biodegradable ABA block copolymer of polylactide and aniline pentamer. Biomaterials, 2007, 28, 1741-1751.	5.7	252
20	A Novel Mechanochromic and Photochromic Polymer Film: When Rhodamine Joins Polyurethane. Advanced Materials, 2015, 27, 6469-6474.	11.1	252
21	Surface functionalized SiO2 nanoparticles with cationic polymers via the combination of mussel inspired chemistry and surface initiated atom transfer radical polymerization: Characterization and enhanced removal of organic dye. Journal of Colloid and Interface Science, 2017, 499, 170-179.	5.0	240
22	A durable monolithic polymer foam for efficient solar steam generation. Chemical Science, 2018, 9, 623-628.	3.7	235
23	Fabrication of aggregation induced emission dye-based fluorescent organic nanoparticles via emulsion polymerization and their cell imaging applications. Polymer Chemistry, 2014, 5, 399-404.	1.9	229
24	Polymerizable aggregation-induced emission dye-based fluorescent nanoparticles for cell imaging applications. Polymer Chemistry, 2014, 5, 356-360.	1.9	216
25	Regional Shape Control of Strategically Assembled Multishape Memory Vitrimers. Advanced Materials, 2016, 28, 156-160.	11.1	213
26	Recent Advances and Progress on Melanin-like Materials and Their Biomedical Applications. Biomacromolecules, 2018, 19, 1858-1868.	2.6	209
27	Facile Incorporation of Aggregation-Induced Emission Materials into Mesoporous Silica Nanoparticles for Intracellular Imaging and Cancer Therapy. ACS Applied Materials & Interfaces, 2013, 5, 1943-1947.	4.0	196
28	Recent progress and advances in the environmental applications of MXene related materials. Nanoscale, 2020, 12, 3574-3592.	2.8	186
29	Recent progress and development on polymeric nanomaterials for photothermal therapy: a brief overview. Journal of Materials Chemistry B, 2017, 5, 194-206.	2.9	183
30	Interaction of tannic acid with carbon nanotubes: enhancement of dispersibility and biocompatibility. Toxicology Research, 2015, 4, 160-168.	0.9	181
31	Thermoâ€Driven Controllable Emulsion Separation by a Polymerâ€Decorated Membrane with Switchable Wettability. Angewandte Chemie - International Edition, 2018, 57, 5740-5745.	7.2	180
32	Recent development and prospects of surface modification and biomedical applications of MXenes. Nanoscale, 2020, 12, 1325-1338.	2.8	179
33	Multi-stimuli responsive and multi-functional oligoaniline-modified vitrimers. Chemical Science, 2017, 8, 724-733.	3.7	178
34	Functional epoxy vitrimers and composites. Progress in Materials Science, 2021, 120, 100710.	16.0	178
35	Surfactant-dispersed nanodiamond: biocompatibility evaluation and drug delivery applications. Toxicology Research, 2013, 2, 335.	0.9	175
36	Rapid synthesis of MoS2-PDA-Ag nanocomposites as heterogeneous catalysts and antimicrobial agents via microwave irradiation. Applied Surface Science, 2018, 459, 588-595.	3.1	170

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37	Cellular responses of aniline oligomers: a preliminary study. Toxicology Research, 2012, 1, 201.	0.9	166
38	Preparation of polyethylene polyamine@tannic acid encapsulated MgAl-layered double hydroxide for the efficient removal of copper (II) ions from aqueous solution. Journal of the Taiwan Institute of Chemical Engineers, 2018, 82, 92-101.	2.7	155
39	A facile one-pot Mannich reaction for the construction of fluorescent polymeric nanoparticles with aggregation-induced emission feature and their biological imaging. Materials Science and Engineering C, 2017, 81, 416-421.	3.8	153
40	Injectable and Self-Healing Thermosensitive Magnetic Hydrogel for Asynchronous Control Release of Doxorubicin and Docetaxel to Treat Triple-Negative Breast Cancer. ACS Applied Materials & Interfaces, 2017, 9, 33660-33673.	4.0	150
41	Facile synthesis of polymeric fluorescent organic nanoparticles based on the self-polymerization of dopamine for biological imaging. Materials Science and Engineering C, 2017, 77, 972-977.	3.8	145
42	Microwave-assisted multicomponent reactions for rapid synthesis of AIE-active fluorescent polymeric nanoparticles by post-polymerization method. Materials Science and Engineering C, 2017, 80, 578-583.	3.8	141
43	Synthesis of polyacrylamide immobilized molybdenum disulfide (MoS 2 @PDA@PAM) composites via mussel-inspired chemistry and surface-initiated atom transfer radical polymerization for removal of copper (II) ions. Journal of the Taiwan Institute of Chemical Engineers, 2018, 86, 174-184.	2.7	140
44	Homoleptic Facial Ir(III) Complexes via Facile Synthesis for High-Efficiency and Low-Roll-Off Near-Infrared Organic Light-Emitting Diodes over 750 nm. Chemistry of Materials, 2017, 29, 4775-4782.	3.2	138
45	Coreâ€“shell structural iron oxide hybrid nanoparticles: from controlled synthesis to biomedical applications. Journal of Materials Chemistry, 2011, 21, 2823-2840.	6.7	137
46	Detecting topology freezing transition temperature of vitrimers by AIE luminogens. Nature Communications, 2019, 10, 3165.	5.8	136
47	Antioil Ag₃PO₄ Nanoparticle/Polydopamine/Al₂O₃ Sandwich Structure for Complex Wastewater Treatment: Dynamic Catalysis under Natural Light. ACS Sustainable Chemistry and Engineering, 2018, 6, 8019-8028.	3.2	134
48	Untethered Recyclable Tubular Actuators with Versatile Locomotion for Soft Continuum Robots. Advanced Materials, 2018, 30, e1801103.	11.1	133
49	Cytotoxicity study of polyethylene glycol derivatives. RSC Advances, 2017, 7, 18252-18259.	1.7	132
50	Facile fabrication of luminescent polymeric nanoparticles containing dynamic linkages via a one-pot multicomponent reaction: Synthesis, aggregation-induced emission and biological imaging. Materials Science and Engineering C, 2017, 80, 708-714.	3.8	131
51	Superoleophilic and superhydrophobic biodegradable material with porous structures for oil absorption and oilâ€“water separation. RSC Advances, 2013, 3, 23432.	1.7	130
52	Polydopamine coated shape memory polymer: enabling light triggered shape recovery, light controlled shape reprogramming and surface functionalization. Chemical Science, 2016, 7, 4741-4747.	3.7	128
53	Synergistic effects of hydrophobicity and gas barrier properties on the anticorrosion property of PMMA nanocomposite coatings embedded with graphene nanosheets. Polymer Chemistry, 2014, 5, 1049-1056.	1.9	127
54	Self-Healing Hydrogel with a Double Dynamic Network Comprising Imine and Borate Ester Linkages. Chemistry of Materials, 2019, 31, 5576-5583.	3.2	126

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55	Functionalization of carbon nanotubes with chitosan based on MALI multicomponent reaction for Cu2+ removal. International Journal of Biological Macromolecules, 2019, 136, 476-485.	3.6	126
56	Multicomponent Combinatorial Polymerization via the Biginelli Reaction. Journal of the American Chemical Society, 2016, 138, 8690-8693.	6.6	125
57	Preparation of AIE-active fluorescent polymeric nanoparticles through a catalyst-free thiol-yne click reaction for bioimaging applications. Materials Science and Engineering C, 2017, 80, 411-416.	3.8	125
58	Cross-linkable aggregation induced emission dye based red fluorescent organic nanoparticles and their cell imaging applications. Polymer Chemistry, 2013, 4, 5060.	1.9	124
59	Surface modification and drug delivery applications of MoS2 nanosheets with polymers through the combination of mussel inspired chemistry and SET-LRP. Journal of the Taiwan Institute of Chemical Engineers, 2018, 82, 205-213.	2.7	122
60	A new insight into the Biginelli reaction: the dawn of multicomponent click chemistry?. Polymer Chemistry, 2013, 4, 5395.	1.9	119
61	The Ugi reaction in polymer chemistry: syntheses, applications and perspectives. Polymer Chemistry, 2015, 6, 8233-8239.	1.9	118
62	Salt-induced aggregation of gold nanoparticles for photoacoustic imaging and photothermal therapy of cancer. Nanoscale, 2016, 8, 4452-4457.	2.8	118
63	Recent progress and advances in redox-responsive polymers as controlled delivery nanoplatforms. Materials Chemistry Frontiers, 2017, 1, 807-822.	3.2	118
64	One-Step Coating toward Multifunctional Applications: Oil/Water Mixtures and Emulsions Separation and Contaminants Adsorption. ACS Applied Materials & Interfaces, 2016, 8, 3333-3339.	4.0	117
65	Facile preparation and cell imaging applications of fluorescent organic nanoparticles that combine AIE dye and ring-opening polymerization. Polymer Chemistry, 2014, 5, 318-322.	1.9	115
66	A novel biodegradable self-healing hydrogel to induce blood capillary formation. NPG Asia Materials, 2017, 9, e363-e363.	3.8	114
67	Facile fabrication and cell imaging applications of aggregation-induced emission dye-based fluorescent organic nanoparticles. Polymer Chemistry, 2013, 4, 4317.	1.9	113
68	Injectable and Self-Healing Chitosan Hydrogel Based on Imine Bonds: Design and Therapeutic Applications. International Journal of Molecular Sciences, 2018, 19, 2198.	1.8	110
69	Solvent-assisted programming of flat polymer sheets into reconfigurable and self-healing 3D structures. Nature Communications, 2018, 9, 1906.	5.8	108
70	Novel chitosanâ€“cellulose nanofiber self-healing hydrogels to correlate self-healing properties of hydrogels with neural regeneration effects. NPG Asia Materials, 2019, 11, .	3.8	108
71	Volatile-Organic-Compound-Intercepting Solar Distillation Enabled by a Photothermal/Photocatalytic Nanofibrous Membrane with Dual-Scale Pores. Environmental Science & Technology, 2020, 54, 9025-9033.	4.6	108
72	Seamless multimaterial 3D liquid-crystalline elastomer actuators for next-generation entirely soft robots. Science Advances, 2020, 6, eaay8606.	4.7	108

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73	Preparation of water soluble and biocompatible AIE-active fluorescent organic nanoparticles via multicomponent reaction and their biological imaging capability. Chemical Engineering Journal, 2017, 308, 527-534.	6.6	107
74	Synthesis of Biodegradable and Electroactive Tetraaniline Grafted Poly(ester amide) Copolymers for Bone Tissue Engineering. Biomacromolecules, 2012, 13, 2881-2889.	2.6	106
75	PolyPEGylated nanodiamond for intracellular delivery of a chemotherapeutic drug. Polymer Chemistry, 2012, 3, 2716.	1.9	105
76	Synthesis and cell imaging applications of amphiphilic AIE-active poly(amino acid)s. Materials Science and Engineering C, 2017, 79, 563-569.	3.8	105
77	Direct encapsulation of AIE-active dye with Î² cyclodextrin terminated polymers: Self-assembly and biological imaging. Materials Science and Engineering C, 2017, 78, 862-867.	3.8	102
78	Liquidâ€Crystalline Soft Actuators with Switchable Thermal Reprogrammability. Angewandte Chemie - International Edition, 2020, 59, 4778-4784.	7.2	102
79	Ultralight free-standing reduced graphene oxide membranes for oil-in-water emulsion separation. Journal of Materials Chemistry A, 2015, 3, 20113-20117.	5.2	101
80	Morphology Evolution of Polymeric Assemblies Regulated with Fluoro-Containing Mesogen in Polymerization-Induced Self-Assembly. Macromolecules, 2017, 50, 8192-8201.	2.2	100
81	Facile preparation of fluorescent nanodiamond-based polymer composites through a metal-free photo-initiated RAFT process and their cellular imaging. Chemical Engineering Journal, 2018, 337, 82-90.	6.6	99
82	Improving Chronic Diabetic Wound Healing through an Injectable and Self-Healing Hydrogel with Platelet-Rich Plasma Release. ACS Applied Materials & Interfaces, 2020, 12, 55659-55674.	4.0	99
83	Polydopamine nanoparticles doped in liquid crystal elastomers for producing dynamic 3D structures. Journal of Materials Chemistry A, 2017, 5, 6740-6746.	5.2	98
84	Self-Adapting Hydrogel to Improve the Therapeutic Effect in Wound-Healing. ACS Applied Materials & Interfaces, 2018, 10, 26046-26055.	4.0	98
85	Antibacterial Adhesion of Borneol-Based Polymer via Surface Chiral Stereochemistry. ACS Applied Materials & Interfaces, 2014, 6, 19371-19377.	4.0	97
86	PEGylation and cell imaging applications of AIE based fluorescent organic nanoparticles via ring-opening reaction. Polymer Chemistry, 2014, 5, 689-693.	1.9	97
87	In Vitro Study of Electroactive Tetraaniline-Containing Thermosensitive Hydrogels for Cardiac Tissue Engineering. Biomacromolecules, 2014, 15, 1115-1123.	2.6	97
88	Facile synthesis of AIE-active amphiphilic polymers: Self-assembly and biological imaging applications. Materials Science and Engineering C, 2016, 66, 215-220.	3.8	97
89	Encapsulating conducting polypyrrole into electrospun TiO2 nanofibers: a new kind of nanoreactor for in situ loading Pd nanocatalysts towards p-nitrophenol hydrogenation. Journal of Materials Chemistry, 2012, 22, 12723.	6.7	95
90	PEGylation of fluoridated hydroxyapatite (FAp):Ln3+ nanorods for cell imaging. Polymer Chemistry, 2013, 4, 4120.	1.9	95

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91	Enhanced conductivity of rGO/Ag NPs composites for electrochemical immunoassay of prostate-specific antigen. Biosensors and Bioelectronics, 2017, 87, 466-472.	5.3	94
92	Introducing the Ugi reaction into polymer chemistry as a green click reaction to prepare middle-functional block copolymers. Polymer Chemistry, 2014, 5, 2704-2708.	1.9	93
93	Synthesis of an injectable, self-healable and dual responsive hydrogel for drug delivery and 3D cell cultivation. Polymer Chemistry, 2017, 8, 537-544.	1.9	93
94	Amphiphilic fluorescent copolymers via one-pot combination of chemoenzymatic transesterification and RAFT polymerization: synthesis, self-assembly and cell imaging. Polymer Chemistry, 2015, 6, 607-612.	1.9	91
95	Tailoring the Multicompartment Nanostructures of Fluoro-Containing ABC Triblock Terpolymer Assemblies via Polymerization-Induced Self-Assembly. Macromolecules, 2017, 50, 8212-8220.	2.2	91
96	â€˜One potâ€™ synthesis of well-defined poly(aminophosphonate)s: time for the Kabachnikâ€“Fields reaction on the stage of polymer chemistry. Polymer Chemistry, 2014, 5, 1857-1862.	1.9	90
97	A novel method for preparing AIE dye based cross-linked fluorescent polymeric nanoparticles for cell imaging. Polymer Chemistry, 2014, 5, 683-688.	1.9	90
98	Glucose-sensitive self-healing hydrogel as sacrificial materials to fabricate vascularized constructs. Biomaterials, 2017, 133, 20-28.	5.7	90
99	Facile modification of nanodiamonds with hyperbranched polymers based on supramolecular chemistry and their potential for drug delivery. Journal of Colloid and Interface Science, 2018, 513, 198-204.	5.0	90
100	Reprocessable Thermoset Soft Actuators. Angewandte Chemie - International Edition, 2019, 58, 17474-17479.	7.2	90
101	A facile surface modification strategy for fabrication of fluorescent silica nanoparticles with the aggregation-induced emission dye through surface-initiated cationic ring opening polymerization. Materials Science and Engineering C, 2019, 94, 270-278.	3.8	90
102	UV-curable nanocasting technique to prepare bio-mimetic super-hydrophobic non-fluorinated polymeric surfaces for advanced anticorrosive coatings. Polymer Chemistry, 2013, 4, 926-932.	1.9	89
103	Electrospinning of aniline pentamer-graft-gelatin/PLLA nanofibers for bone tissue engineering. Acta Biomaterialia, 2014, 10, 5074-5080.	4.1	89
104	Low-Tortuosity Water Microchannels Boosting Energy Utilization for High Water Flux Solar Distillation. Environmental Science & Technology, 2020, 54, 5150-5158.	4.6	89
105	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. Nature Communications, 2018, 9, 3799.	5.8	86
106	Surface modification of carbon nanotubes by combination of mussel inspired chemistry and SET-LRP. Polymer Chemistry, 2015, 6, 1786-1792.	1.9	85
107	Thermally Triggered in Situ Assembly of Gold Nanoparticles for Cancer Multimodal Imaging and Photothermal Therapy. ACS Applied Materials & Interfaces, 2017, 9, 10453-10460.	4.0	85
108	Magnetic Hydrogel with Optimally Adaptive Functions for Breast Cancer Recurrence Prevention. Advanced Healthcare Materials, 2019, 8, e1900203.	3.9	85

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109	Durable liquid-crystalline vitrimer actuators. Chemical Science, 2019, 10, 3025-3030.	3.7	82
110	Janus membrane decorated via a versatile immersion-spray route: controllable stabilized oil/water emulsion separation satisfying industrial emission and purification criteria. Journal of Materials Chemistry A, 2019, 7, 4941-4949.	5.2	82
111	Aggregation-induced emission material based fluorescent organic nanoparticles: facile PEGylation and cell imaging applications. RSC Advances, 2013, 3, 9633.	1.7	81
112	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. Nature Communications, 2017, 8, 1559.	5.8	81
113	Cryogenic 3D printing of dual-delivery scaffolds for improved bone regeneration with enhanced vascularization. Bioactive Materials, 2021, 6, 137-145.	8.6	81
114	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. RSC Advances, 2012, 2, 12153.	1.7	79
115	Mussel-inspired chemistry and StÃ¶ber method for highly stabilized water-in-oil emulsions separation. Journal of Materials Chemistry A, 2014, 2, 20439-20443.	5.2	78
116	Synthesis of Multifunctional Polymers through the Ugi Reaction for Protein Conjugation. Macromolecules, 2014, 47, 5607-5612.	2.2	76
117	Polyaniline/carbon nanotube nanocomposite electrodes with biomimetic hierarchical structure for supercapacitors. Journal of Materials Chemistry A, 2013, 1, 14719.	5.2	75
118	Breathing Demulsification: A Three-Dimensional (3D) Free-Standing Superhydrophilic Sponge. ACS Applied Materials & Interfaces, 2015, 7, 22264-22271.	4.0	73
119	Redox-responsive theranostic nanoplatforms based on inorganic nanomaterials. Journal of Controlled Release, 2017, 259, 40-52.	4.8	73
120	A Pure Inorganic ZnO-Co3O4 Overlapped Membrane for Efficient Oil/Water Emulsions Separation. Scientific Reports, 2015, 5, 9688.	1.6	72
121	In Vitro Studies on Regulation of Osteogenic Activities by Electrical Stimulus on Biodegradable Electroactive Polyelectrolyte Multilayers. Biomacromolecules, 2014, 15, 3146-3157.	2.6	70
122	Fine-tuning the mechanofluorochromic properties of benzothiadiazole-cored cyano-substituted diphenylethene derivatives through Dâ€“A effect. Journal of Materials Chemistry C, 2014, 2, 8932-8938.	2.7	69
123	Mussel inspired modification of carbon nanotubes using RAFT derived stimuli-responsive polymers. RSC Advances, 2013, 3, 21817.	1.7	67
124	Synergistic effect of electroactivity and hydrophobicity on the anticorrosion property of room-temperature-cured epoxy coatings with multi-scale structures mimicking the surface of Xanthosoma sagittifolium leaf. Journal of Materials Chemistry, 2012, 22, 15845.	6.7	66
125	Fabrication of cobalt ferrite/cobalt sulfide hybrid nanotubes with enhanced peroxidase-like activity for colorimetric detection of dopamine. Journal of Colloid and Interface Science, 2018, 511, 383-391.	5.0	66
126	Stimulus responsive cross-linked AIE-active polymeric nanoprobes: fabrication and biological imaging application. Polymer Chemistry, 2015, 6, 8214-8221.	1.9	65

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127	Synthesis of functionalized MgAl-layered double hydroxides via modified mussel inspired chemistry and their application in organic dye adsorption. Journal of Colloid and Interface Science, 2017, 505, 168-177.	5.0	64
128	Facile fabrication of organic dyed polymer nanoparticles with aggregation-induced emission using an ultrasound-assisted multicomponent reaction and their biological imaging. Journal of Colloid and Interface Science, 2018, 519, 137-144.	5.0	64
129	Promotion of Color-Changing Luminescent Hydrogels from Thermo to Electrical Responsiveness toward Biomimetic Skin Applications. ACS Nano, 2021, 15, 10415-10427.	7.3	64
130	A novel poly(Î³-glutamic acid)/silk-sericin hydrogel for wound dressing: Synthesis, characterization and biological evaluation. Materials Science and Engineering C, 2015, 48, 533-540.	3.8	63
131	Metal-phenolic networks: facile assembled complexes for cancer theranostics. Theranostics, 2021, 11, 6407-6426.	4.6	63
132	Aggregation-induced emission dye based luminescent silica nanoparticles: facile preparation, biocompatibility evaluation and cell imaging applications. RSC Advances, 2014, 4, 10060.	1.7	62
133	Fluorescent nanoparticles from starch: Facile preparation, tunable luminescence and bioimaging. Carbohydrate Polymers, 2015, 121, 49-55.	5.1	62
134	Bioinspired preparation of thermo-responsive graphene oxide nanocomposites in an aqueous solution. Polymer Chemistry, 2015, 6, 5876-5883.	1.9	62
135	Lotus- and Mussel-Inspired PDAâ€“PET/PTFE Janus Membrane: Toward Integrated Separation of Light and Heavy Oils from Water. ACS Applied Materials & Interfaces, 2019, 11, 20545-20556.	4.0	62
136	High Throughput Preparation of UV-Protective Polymers from Essential Oil Extracts via the Biginelli Reaction. Journal of the American Chemical Society, 2018, 140, 6865-6872.	6.6	61
137	Bottom-up preparation of nitrogen doped carbon quantum dots with green emission under microwave-assisted hydrothermal treatment and their biological imaging. Materials Science and Engineering C, 2018, 84, 60-66.	3.8	61
138	Asymmetric superwetting configuration of Janus membranes based on thiolâ€“ene clickable silane nanospheres enabling on-demand and energy-efficient oilâ€“water remediation. Journal of Materials Chemistry A, 2019, 7, 10047-10057.	5.2	61
139	Electricity-Triggered Self-Healing of Conductive and Thermostable Vitrimer Enabled by Paving Aligned Carbon Nanotubes. ACS Applied Materials & Interfaces, 2020, 12, 14315-14322.	4.0	60
140	Antibacterial Adhesion of Poly(methyl methacrylate) Modified by Borneol Acrylate. ACS Applied Materials & Interfaces, 2016, 8, 28522-28528.	4.0	59
141	A facile strategy for fabrication of aggregation-induced emission (AIE) active fluorescent polymeric nanoparticles (FPNs) via post modification of synthetic polymers and their cell imaging. Materials Science and Engineering C, 2017, 79, 590-595.	3.8	59
142	Mussel inspired functionalization of carbon nanotubes for heavy metal ion removal. RSC Advances, 2015, 5, 68430-68438.	1.7	58
143	From drug to adhesive: a new application of poly(dihydropyrimidin-2(1H)-one)s via the Biginelli polycondensation. Polymer Chemistry, 2015, 6, 4940-4945.	1.9	58
144	Carbon nanotube based polymer nanocomposites: biomimic preparation and organic dye adsorption applications. RSC Advances, 2015, 5, 82503-82512.	1.7	58

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145	High performance and reversible ionic polypeptide hydrogel based on charge-driven assembly for biomedical applications. Acta Biomaterialia, 2015, 11, 183-190.	4.1	58
146	Fabrication and biological imaging application of AIE-active luminescent starch based nanoprobes. Carbohydrate Polymers, 2016, 142, 38-44.	5.1	58
147	One-Step Breaking and Separating Emulsion by Tungsten Oxide Coated Mesh. ACS Applied Materials & Interfaces, 2015, 7, 8108-8113.	4.0	57
148	Locally controllable magnetic soft actuators with reprogrammable contraction-derived motions. Science Advances, 2022, 8, .	4.7	57
149	Novel biocompatible cross-linked fluorescent polymeric nanoparticles based on an AIE monomer. Journal of Materials Chemistry C, 2014, 2, 816-820.	2.7	56
150	A Liquid Gripper Based on Phase Transitional Metallic Ferrofluid. Advanced Functional Materials, 2021, 31, 2100274.	7.8	56
151	Ultra-stable biocompatible cross-linked fluorescent polymeric nanoparticles using AIE chain transfer agent. Polymer Chemistry, 2014, 5, 3758.	1.9	55
152	A rather facile strategy for the fabrication of PEGylated AIE nanoprobes. Polymer Chemistry, 2015, 6, 5288-5294.	1.9	55
153	Fabrication of robust mesh with anchored Ag nanoparticles for oil removal and in situ catalytic reduction of aromatic dyes. Journal of Materials Chemistry A, 2017, 5, 15822-15827.	5.2	55
154	Surface functionalization of MXene with chitosan through in-situ formation of polyimidazoles and its adsorption properties. Journal of Hazardous Materials, 2021, 419, 126220.	6.5	55
155	Sensitive detection of hazardous explosives via highly fluorescent crystalline porous aromatic frameworks. Journal of Materials Chemistry, 2012, 22, 24558.	6.7	54
156	Facile fabrication of luminescent hyaluronic acid with aggregation-induced emission through formation of dynamic bonds and their theranostic applications. Materials Science and Engineering C, 2018, 91, 201-207.	3.8	54
157	Aggregation Induced Emission Fluorogens Based Nanotheranostics for Targeted and Imagingâ€Guided Chemoâ€Photothermal Combination Therapy. Small, 2016, 12, 6568-6575.	5.2	53
158	Controlling Vesicular Size via Topological Engineering of Amphiphilic Polymer in Polymerization-Induced Self-Assembly. Macromolecules, 2017, 50, 9750-9759.	2.2	53
159	A one-step ultrasonic irradiation assisted strategy for the preparation of polymer-functionalized carbon quantum dots and their biological imaging. Journal of Colloid and Interface Science, 2018, 532, 767-773.	5.0	53
160	Electrochemical investigations on anticorrosive and electrochromic properties of electroactive polyurea. Polymer Chemistry, 2012, 3, 2209.	1.9	52
161	Biocompatibility evaluation of aniline oligomers with different end-functional groups. Toxicology Research, 2013, 2, 427.	0.9	52
162	Towards development of a versatile and efficient strategy for fabrication of GO based polymer nanocomposites. Polymer Chemistry, 2015, 6, 7211-7218.	1.9	52

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163	Modulus-regulated 3D-cell proliferation in an injectable self-healing hydrogel. Colloids and Surfaces B: Biointerfaces, 2017, 149, 168-173.	2.5	52
164	Introducing mercaptoacetic acid locking imine reaction into polymer chemistry as a green click reaction. Polymer Chemistry, 2014, 5, 2695-2699.	1.9	51
165	Nanoclay cross-linked semi-IPN silk sericin/poly(NIPAm/LMSH) nanocomposite hydrogel: An outstanding antibacterial wound dressing. Materials Science and Engineering C, 2017, 81, 303-313.	3.8	51
166	Semiâ€Fluorinated Methacrylates: A Class of Versatile Monomers for Polymerizationâ€Induced Selfâ€Assembly. Macromolecular Rapid Communications, 2018, 39, e1700840.	2.0	51
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