

Yen Wei

List of Publications by Citations

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467
papers

22,952
citations

80
h-index

129
g-index

482
ext. papers

26,205
ext. citations

7.5
avg, IF

7.37
L-index

#	Paper	IF	Citations
467	One-dimensional composite nanomaterials: synthesis by electrospinning and their applications. <i>Small</i> , 2009 , 5, 2349-70	11	730
466	Mouldable liquid-crystalline elastomer actuators with exchangeable covalent bonds. <i>Nature Materials</i> , 2014 , 13, 36-41	27	526
465	Synthesis of multiresponsive and dynamic chitosan-based hydrogels for controlled release of bioactive molecules. <i>Biomacromolecules</i> , 2011 , 12, 2894-901	6.9	487
464	Polymeric AIE-based nanoprobe for biomedical applications: recent advances and perspectives. <i>Nanoscale</i> , 2015 , 7, 11486-508	7.7	453
463	Biocompatible polydopamine fluorescent organic nanoparticles: facile preparation and cell imaging. <i>Nanoscale</i> , 2012 , 4, 5581-4	7.7	428
462	Recent developments in polydopamine: an emerging soft matter for surface modification and biomedical applications. <i>Nanoscale</i> , 2016 , 8, 16819-16840	7.7	421
461	Redox-responsive polymers for drug delivery: from molecular design to applications. <i>Polymer Chemistry</i> , 2014 , 5, 1519-1528	4.9	419
460	A comparative study of cellular uptake and cytotoxicity of multi-walled carbon nanotubes, graphene oxide, and nanodiamond. <i>Toxicology Research</i> , 2012 , 1, 62-68	2.6	384
459	An Injectable, Self-Healing Hydrogel to Repair the Central Nervous System. <i>Advanced Materials</i> , 2015 , 27, 3518-24	24	366
458	Making and Remaking Dynamic 3D Structures by Shining Light on Flat Liquid Crystalline Vitrimer Films without a Mold. <i>Journal of the American Chemical Society</i> , 2016 , 138, 2118-21	16.4	254
457	A magnetic self-healing hydrogel. <i>Chemical Communications</i> , 2012 , 48, 9305-7	5.8	245
456	Facilely prepared inexpensive and biocompatible self-healing hydrogel: a new injectable cell therapy carrier. <i>Polymer Chemistry</i> , 2012 , 3, 3235	4.9	244
455	Self-polymerization of dopamine and polyethyleneimine: novel fluorescent organic nanoprobe for biological imaging applications. <i>Journal of Materials Chemistry B</i> , 2015 , 3, 3476-3482	7.3	240
454	Synthesis and characterization of electroactive and biodegradable ABA block copolymer of polylactide and aniline pentamer. <i>Biomaterials</i> , 2007 , 28, 1741-51	15.6	234
453	CO ₂ -Responsive Nanofibrous Membranes with Switchable Oil/Water Wettability. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 8934-8	16.4	232
452	Highly Efficient Self-Healable and Dual Responsive Cellulose-Based Hydrogels for Controlled Release and 3D Cell Culture. <i>Advanced Functional Materials</i> , 2017 , 27, 1703174	15.6	228
451	Fabrication of aggregation induced emission dye-based fluorescent organic nanoparticles via emulsion polymerization and their cell imaging applications. <i>Polymer Chemistry</i> , 2014 , 5, 399-404	4.9	217

450	Osmotic Power Generation with Positively and Negatively Charged 2D Nanofluidic Membrane Pairs. <i>Advanced Functional Materials</i> , 2017 , 27, 1603623	15.6	209
449	Polymerizable aggregation-induced emission dye-based fluorescent nanoparticles for cell imaging applications. <i>Polymer Chemistry</i> , 2014 , 5, 356-360	4.9	206
448	Surface functionalized SiO 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. <i>Journal of Colloid and Interface Science</i> , 2017 , 499, 170-179	9.3	205
447	Carbon nanotube-vitrimer composite for facile and efficient photo-welding of epoxy. <i>Chemical Science</i> , 2014 , 5, 3486-3492	9.4	201
446	Facile incorporation of aggregation-induced emission materials into mesoporous silica nanoparticles for intracellular imaging and cancer therapy. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 1943-7	9.5	192
445	A Novel Mechanochromic and Photochromic Polymer Film: When Rhodamine Joins Polyurethane. <i>Advanced Materials</i> , 2015 , 27, 6469-74	24	182
444	3D printing of bone tissue engineering scaffolds. <i>Bioactive Materials</i> , 2020 , 5, 82-91	16.7	181
443	Regional Shape Control of Strategically Assembled Multishape Memory Vitrimers. <i>Advanced Materials</i> , 2016 , 28, 156-60	24	177
442	Recent Advances and Progress on Melanin-like Materials and Their Biomedical Applications. <i>Biomacromolecules</i> , 2018 , 19, 1858-1868	6.9	168
441	Surfactant-dispersed nanodiamond: biocompatibility evaluation and drug delivery applications. <i>Toxicology Research</i> , 2013 , 2, 335	2.6	167
440	Interaction of tannic acid with carbon nanotubes: enhancement of dispersibility and biocompatibility. <i>Toxicology Research</i> , 2015 , 4, 160-168	2.6	166
439	Recent progress and development on polymeric nanomaterials for photothermal therapy: a brief overview. <i>Journal of Materials Chemistry B</i> , 2017 , 5, 194-206	7.3	165
438	A durable monolithic polymer foam for efficient solar steam generation. <i>Chemical Science</i> , 2018 , 9, 623-628	9.4	164
437	Cellular responses of aniline oligomers: a preliminary study. <i>Toxicology Research</i> , 2012 , 1, 201	2.6	157
436	Rapid synthesis of MoS ₂ -PDA-Ag nanocomposites as heterogeneous catalysts and antimicrobial agents via microwave irradiation. <i>Applied Surface Science</i> , 2018 , 459, 588-595	6.7	145
435	A facile one-pot Mannich reaction for the construction of fluorescent polymeric nanoparticles with aggregation-induced emission feature and their biological imaging. <i>Materials Science and Engineering C</i> , 2017 , 81, 416-421	8.3	144
434	Facile synthesis of polymeric fluorescent organic nanoparticles based on the self-polymerization of dopamine for biological imaging. <i>Materials Science and Engineering C</i> , 2017 , 77, 972-977	8.3	139
433	Multi-stimuli responsive and multi-functional oligoaniline-modified vitrimers. <i>Chemical Science</i> , 2017 , 8, 724-733	9.4	138

432	Microwave-assisted multicomponent reactions for rapid synthesis of AIE-active fluorescent polymeric nanoparticles by post-polymerization method. <i>Materials Science and Engineering C</i> , 2017 , 80, 578-583	8.3	133
431	Preparation of polyethylene polyamine@tannic acid encapsulated MgAl-layered double hydroxide for the efficient removal of copper (II) ions from aqueous solution. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 82, 92-101	5.3	130
430	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. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 86, 174-184	5.3	127
429	Core-shell structural iron oxide hybrid nanoparticles: from controlled synthesis to biomedical applications. <i>Journal of Materials Chemistry</i> , 2011 , 21, 2823-2840		127
428	Facile fabrication of luminescent polymeric nanoparticles containing dynamic linkages via a one-pot multicomponent reaction: Synthesis, aggregation-induced emission and biological imaging. <i>Materials Science and Engineering C</i> , 2017 , 80, 708-714	8.3	124
427	Preparation of AIE-active fluorescent polymeric nanoparticles through a catalyst-free thiol-yne click reaction for bioimaging applications. <i>Materials Science and Engineering C</i> , 2017 , 80, 411-416	8.3	120
426	Cross-linkable aggregation induced emission dye based red fluorescent organic nanoparticles and their cell imaging applications. <i>Polymer Chemistry</i> , 2013 , 4, 5060	4.9	119
425	Thermo-Driven Controllable Emulsion Separation by a Polymer-Decorated Membrane with Switchable Wettability. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 5740-5745	16.4	115
424	Facile preparation and cell imaging applications of fluorescent organic nanoparticles that combine AIE dye and ring-opening polymerization. <i>Polymer Chemistry</i> , 2014 , 5, 318-322	4.9	111
423	Facile fabrication and cell imaging applications of aggregation-induced emission dye-based fluorescent organic nanoparticles. <i>Polymer Chemistry</i> , 2013 , 4, 4317	4.9	110
422	Superoleophilic and superhydrophobic biodegradable material with porous structures for oil absorption and oil/water separation. <i>RSC Advances</i> , 2013 , 3, 23432	3.7	108
421	Injectable and Self-Healing Thermosensitive Magnetic Hydrogel for Asynchronous Control Release of Doxorubicin and Docetaxel to Treat Triple-Negative Breast Cancer. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 33660-33673	9.5	106
420	Surface modification and drug delivery applications of MoS ₂ nanosheets with polymers through the combination of mussel inspired chemistry and SET-LRP. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2018 , 82, 205-213	5.3	105
419	A new insight into the Biginelli reaction: the dawn of multicomponent click chemistry?. <i>Polymer Chemistry</i> , 2013 , 4, 5395	4.9	103
418	One-Step Coating toward Multifunctional Applications: Oil/Water Mixtures and Emulsions Separation and Contaminants Adsorption. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 3333-9	9.5	101
417	Preparation of water soluble and biocompatible AIE-active fluorescent organic nanoparticles via multicomponent reaction and their biological imaging capability. <i>Chemical Engineering Journal</i> , 2017 , 308, 527-534	14.7	100
416	Multicomponent Combinatorial Polymerization via the Biginelli Reaction. <i>Journal of the American Chemical Society</i> , 2016 , 138, 8690-3	16.4	100
415	Synergistic effects of hydrophobicity and gas barrier properties on the anticorrosion property of PMMA nanocomposite coatings embedded with graphene nanosheets. <i>Polymer Chemistry</i> , 2014 , 5, 1049-1056	4.9	99

414	Functionalization of carbon nanotubes with chitosan based on MALI multicomponent reaction for Cu removal. <i>International Journal of Biological Macromolecules</i> , 2019 , 136, 476-485	7.9	98
413	PolyPEGylated nanodiamond for intracellular delivery of a chemotherapeutic drug. <i>Polymer Chemistry</i> , 2012 , 3, 2716	4.9	98
412	Direct encapsulation of AIE-active dye with β -cyclodextrin terminated polymers: Self-assembly and biological imaging. <i>Materials Science and Engineering C</i> , 2017 , 78, 862-867	8.3	97
411	Homoleptic Facial Ir(III) Complexes via Facile Synthesis for High-Efficiency and Low-Roll-Off Near-Infrared Organic Light-Emitting Diodes over 750 nm. <i>Chemistry of Materials</i> , 2017 , 29, 4775-4782	9.6	97
410	The Ugi reaction in polymer chemistry: syntheses, applications and perspectives. <i>Polymer Chemistry</i> , 2015 , 6, 8233-8239	4.9	96
409	PEGylation and cell imaging applications of AIE based fluorescent organic nanoparticles via ring-opening reaction. <i>Polymer Chemistry</i> , 2014 , 5, 689-693	4.9	96
408	Synthesis and cell imaging applications of amphiphilic AIE-active poly(amino acid)s. <i>Materials Science and Engineering C</i> , 2017 , 79, 563-569	8.3	94
407	Polydopamine coated shape memory polymer: enabling light triggered shape recovery, light controlled shape reprogramming and surface functionalization. <i>Chemical Science</i> , 2016 , 7, 4741-4747	9.4	94
406	Recent progress and advances in redox-responsive polymers as controlled delivery nanoplatfoms. <i>Materials Chemistry Frontiers</i> , 2017 , 1, 807-822	7.8	93
405	PEGylation of fluoridated hydroxyapatite (FAP):Ln ³⁺ nanorods for cell imaging. <i>Polymer Chemistry</i> , 2013 , 4, 4120	4.9	93
404	Facile preparation of fluorescent nanodiamond-based polymer composites through a metal-free photo-initiated RAFT process and their cellular imaging. <i>Chemical Engineering Journal</i> , 2018 , 337, 82-90	14.7	92
403	Untethered Recyclable Tubular Actuators with Versatile Locomotion for Soft Continuum Robots. <i>Advanced Materials</i> , 2018 , 30, e1801103	24	92
402	Synthesis of biodegradable and electroactive tetraaniline grafted poly(ester amide) copolymers for bone tissue engineering. <i>Biomacromolecules</i> , 2012 , 13, 2881-9	6.9	90
401	Facile synthesis of AIE-active amphiphilic polymers: Self-assembly and biological imaging applications. <i>Materials Science and Engineering C</i> , 2016 , 66, 215-220	8.3	90
400	A novel biodegradable self-healing hydrogel to induce blood capillary formation. <i>NPG Asia Materials</i> , 2017 , 9, e363-e363	10.3	89
399	Recent progress and advances in the environmental applications of MXene related materials. <i>Nanoscale</i> , 2020 , 12, 3574-3592	7.7	88
398	Ultralight free-standing reduced graphene oxide membranes for oil-in-water emulsion separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 20113-20117	13	87
397	Introducing the Ugi reaction into polymer chemistry as a green click reaction to prepare middle-functional block copolymers. <i>Polymer Chemistry</i> , 2014 , 5, 2704-2708	4.9	87

396	Salt-induced aggregation of gold nanoparticles for photoacoustic imaging and photothermal therapy of cancer. <i>Nanoscale</i> , 2016 , 8, 4452-7	7.7	86
395	A novel method for preparing AIE dye based cross-linked fluorescent polymeric nanoparticles for cell imaging. <i>Polymer Chemistry</i> , 2014 , 5, 683-688	4.9	85
394	Encapsulating conducting polypyrrole into electrospun TiO ₂ nanofibers: a new kind of nanoreactor for in situ loading Pd nanocatalysts towards p-nitrophenol hydrogenation. <i>Journal of Materials Chemistry</i> , 2012 , 22, 12723		85
393	Recent development and prospects of surface modification and biomedical applications of MXenes. <i>Nanoscale</i> , 2020 , 12, 1325-1338	7.7	85
392	In vitro study of electroactive tetraaniline-containing thermosensitive hydrogels for cardiac tissue engineering. <i>Biomacromolecules</i> , 2014 , 15, 1115-23	6.9	84
391	Self-Healing Hydrogel with a Double Dynamic Network Comprising Imine and Borate Ester Linkages. <i>Chemistry of Materials</i> , 2019 , 31, 5576-5583	9.6	83
390	Electrospinning of aniline pentamer-graft-gelatin/PLLA nanofibers for bone tissue engineering. <i>Acta Biomaterialia</i> , 2014 , 10, 5074-5080	10.8	82
389	Cytotoxicity study of polyethylene glycol derivatives. <i>RSC Advances</i> , 2017 , 7, 18252-18259	3.7	81
388	Synthesis of an injectable, self-healable and dual responsive hydrogel for drug delivery and 3D cell cultivation. <i>Polymer Chemistry</i> , 2017 , 8, 537-544	4.9	81
387	Aggregation-induced emission material based fluorescent organic nanoparticles: facile PEGylation and cell imaging applications. <i>RSC Advances</i> , 2013 , 3, 9633	3.7	80
386	Surface modification of carbon nanotubes by combination of mussel inspired chemistry and SET-LRP. <i>Polymer Chemistry</i> , 2015 , 6, 1786-1792	4.9	79
385	Amphiphilic fluorescent copolymers via one-pot combination of chemoenzymatic transesterification and RAFT polymerization: synthesis, self-assembly and cell imaging. <i>Polymer Chemistry</i> , 2015 , 6, 607-612	4.9	77
384	Combining mussel-inspired chemistry and the Michael addition reaction to disperse carbon nanotubes. <i>RSC Advances</i> , 2012 , 2, 12153	3.7	77
383	A facile surface modification strategy for fabrication of fluorescent silica nanoparticles with the aggregation-induced emission dye through surface-initiated cationic ring opening polymerization. <i>Materials Science and Engineering C</i> , 2019 , 94, 270-278	8.3	77
382	UV-curable nanocasting technique to prepare bio-mimetic super-hydrophobic non-fluorinated polymeric surfaces for advanced anticorrosive coatings. <i>Polymer Chemistry</i> , 2013 , 4, 926-932	4.9	76
381	Facile modification of nanodiamonds with hyperbranched polymers based on supramolecular chemistry and their potential for drug delivery. <i>Journal of Colloid and Interface Science</i> , 2018 , 513, 198-204	8.3	76
380	Mussel-inspired chemistry and St \ddot{e} ber method for highly stabilized water-in-oil emulsions separation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20439-20443	13	75
379	One pot synthesis of well-defined poly(aminophosphonate)s: time for the Kabachnik fields reaction on the stage of polymer chemistry. <i>Polymer Chemistry</i> , 2014 , 5, 1857-1862	4.9	75

378	Enhanced conductivity of rGO/Ag NPs composites for electrochemical immunoassay of prostate-specific antigen. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 466-472	11.8	75
377	Synthesis of Multifunctional Polymers through the Ugi Reaction for Protein Conjugation. <i>Macromolecules</i> , 2014 , 47, 5607-5612	5.5	73
376	Morphology Evolution of Polymeric Assemblies Regulated with Fluoro-Containing Mesogen in Polymerization-Induced Self-Assembly. <i>Macromolecules</i> , 2017 , 50, 8192-8201	5.5	70
375	Solvent-assisted programming of flat polymer sheets into reconfigurable and self-healing 3D structures. <i>Nature Communications</i> , 2018 , 9, 1906	17.4	70
374	Tailoring the Multicompartment Nanostructures of Fluoro-Containing ABC Triblock Terpolymer Assemblies via Polymerization-Induced Self-Assembly. <i>Macromolecules</i> , 2017 , 50, 8212-8220	5.5	69
373	Novel chitosan/ellulose nanofiber self-healing hydrogels to correlate self-healing properties of hydrogels with neural regeneration effects. <i>NPG Asia Materials</i> , 2019 , 11,	10.3	69
372	Antibacterial adhesion of borneol-based polymer via surface chiral stereochemistry. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 19371-7	9.5	68
371	Polydopamine nanoparticles doped in liquid crystal elastomers for producing dynamic 3D structures. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 6740-6746	13	67
370	Mussel inspired modification of carbon nanotubes using RAFT derived stimuli-responsive polymers. <i>RSC Advances</i> , 2013 , 3, 21817	3.7	67
369	Glucose-sensitive self-healing hydrogel as sacrificial materials to fabricate vascularized constructs. <i>Biomaterials</i> , 2017 , 133, 20-28	15.6	65
368	Polyaniline/carbon nanotube nanocomposite electrodes with biomimetic hierarchical structure for supercapacitors. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 14719	13	64
367	A pure inorganic ZnO-Co3O4 overlapped membrane for efficient oil/water emulsions separation. <i>Scientific Reports</i> , 2015 , 5, 9688	4.9	63
366	Injectable and Self-Healing Chitosan Hydrogel Based on Imine Bonds: Design and Therapeutic Applications. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	63
365	Antioil Ag3PO4 Nanoparticle/Polydopamine/Al2O3 Sandwich Structure for Complex Wastewater Treatment: Dynamic Catalysis under Natural Light. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 8019-8028	8.3	63
364	Detecting topology freezing transition temperature of vitrimers by AIE luminogens. <i>Nature Communications</i> , 2019 , 10, 3165	17.4	63
363	Fine-tuning the mechanofluorochromic properties of benzothiadiazole-cored cyano-substituted diphenylethene derivatives through D π A effect. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 8932-8938	7.1	62
362	In vitro studies on regulation of osteogenic activities by electrical stimulus on biodegradable electroactive polyelectrolyte multilayers. <i>Biomacromolecules</i> , 2014 , 15, 3146-57	6.9	62
361	Synergistic effect of electroactivity and hydrophobicity on the anticorrosion property of room-temperature-cured epoxy coatings with multi-scale structures mimicking the surface of <i>Xanthosoma sagittifolium</i> leaf. <i>Journal of Materials Chemistry</i> , 2012 , 22, 15845		62

360	Janus membrane decorated via a versatile immersion-spray route: controllable stabilized oil/water emulsion separation satisfying industrial emission and purification criteria. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 4941-4949	13	62
359	Self-Adapting Hydrogel to Improve the Therapeutic Effect in Wound-Healing. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 26046-26055	9.5	61
358	Thermally Triggered in Situ Assembly of Gold Nanoparticles for Cancer Multimodal Imaging and Photothermal Therapy. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 10453-10460	9.5	60
357	Aggregation-induced emission dye based luminescent silica nanoparticles: facile preparation, biocompatibility evaluation and cell imaging applications. <i>RSC Advances</i> , 2014 , 4, 10060	3.7	60
356	Stimulus responsive cross-linked AIE-active polymeric nanoprobe: fabrication and biological imaging application. <i>Polymer Chemistry</i> , 2015 , 6, 8214-8221	4.9	59
355	Bioinspired preparation of thermo-responsive graphene oxide nanocomposites in an aqueous solution. <i>Polymer Chemistry</i> , 2015 , 6, 5876-5883	4.9	58
354	Facile fabrication of organic dyed polymer nanoparticles with aggregation-induced emission using an ultrasound-assisted multicomponent reaction and their biological imaging. <i>Journal of Colloid and Interface Science</i> , 2018 , 519, 137-144	9.3	58
353	Highly-sensitive optical organic vapor sensor through polymeric swelling induced variation of fluorescent intensity. <i>Nature Communications</i> , 2018 , 9, 3799	17.4	58
352	Atomic-level molybdenum oxide nanorings with full-spectrum absorption and photoresponsive properties. <i>Nature Communications</i> , 2017 , 8, 1559	17.4	57
351	Redox-responsive theranostic nanoplatfoms based on inorganic nanomaterials. <i>Journal of Controlled Release</i> , 2017 , 259, 40-52	11.7	56
350	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. <i>Materials Science and Engineering C</i> , 2017 , 79, 590-595	8.3	55
349	Mussel inspired functionalization of carbon nanotubes for heavy metal ion removal. <i>RSC Advances</i> , 2015 , 5, 68430-68438	3.7	55
348	Breathing Demulsification: A Three-Dimensional (3D) Free-Standing Superhydrophilic Sponge. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 22264-71	9.5	55
347	Novel biocompatible cross-linked fluorescent polymeric nanoparticles based on an AIE monomer. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 816-820	7.1	55
346	One-step breaking and separating emulsion by tungsten oxide coated mesh. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 8108-13	9.5	54
345	CO ₂ -Responsive Nanofibrous Membranes with Switchable Oil/Water Wettability. <i>Angewandte Chemie</i> , 2015 , 127, 9062-9066	3.6	54
344	Fluorescent nanoparticles from starch: facile preparation, tunable luminescence and bioimaging. <i>Carbohydrate Polymers</i> , 2015 , 121, 49-55	10.3	54
343	Facile fabrication of luminescent hyaluronic acid with aggregation-induced emission through formation of dynamic bonds and their theranostic applications. <i>Materials Science and Engineering C</i> , 2018 , 91, 201-207	8.3	54

342	A rather facile strategy for the fabrication of PEGylated AIE nanoprobes. <i>Polymer Chemistry</i> , 2015 , 6, 5288-5294	4.9	53
341	Seamless multimaterial 3D liquid-crystalline elastomer actuators for next-generation entirely soft robots. <i>Science Advances</i> , 2020 , 6, eaay8606	14.3	53
340	Carbon nanotube based polymer nanocomposites: biomimic preparation and organic dye adsorption applications. <i>RSC Advances</i> , 2015 , 5, 82503-82512	3.7	52
339	Fabrication and biological imaging application of AIE-active luminescent starch based nanoprobes. <i>Carbohydrate Polymers</i> , 2016 , 142, 38-44	10.3	52
338	Ultra-stable biocompatible cross-linked fluorescent polymeric nanoparticles using AIE chain transfer agent. <i>Polymer Chemistry</i> , 2014 , 5, 3758	4.9	52
337	Durable liquid-crystalline vitrimer actuators. <i>Chemical Science</i> , 2019 , 10, 3025-3030	9.4	50
336	Magnetic Hydrogel with Optimally Adaptive Functions for Breast Cancer Recurrence Prevention. <i>Advanced Healthcare Materials</i> , 2019 , 8, e1900203	10.1	50
335	Towards development of a versatile and efficient strategy for fabrication of GO based polymer nanocomposites. <i>Polymer Chemistry</i> , 2015 , 6, 7211-7218	4.9	50
334	Volatile-Organic-Compound-Intercepting Solar Distillation Enabled by a Photothermal/Photocatalytic Nanofibrous Membrane with Dual-Scale Pores. <i>Environmental Science & Technology</i> , 2020 , 54, 9025-9033	10.3	50
333	Reprocessable Thermoset Soft Actuators. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 17474-17479	14.9	50
332	Synthesis of functionalized MgAl-layered double hydroxides via modified mussel inspired chemistry and their application in organic dye adsorption. <i>Journal of Colloid and Interface Science</i> , 2017 , 505, 168-177	17.7	49
331	From drug to adhesive: a new application of poly(dihydropyrimidin-2(1H)-one)s via the Biginelli polycondensation. <i>Polymer Chemistry</i> , 2015 , 6, 4940-4945	4.9	49
330	A novel poly(γ -glutamic acid)/silk-sericin hydrogel for wound dressing: Synthesis, characterization and biological evaluation. <i>Materials Science and Engineering C</i> , 2015 , 48, 533-40	8.3	49
329	Biocompatibility evaluation of aniline oligomers with different end-functional groups. <i>Toxicology Research</i> , 2013 , 2, 427	2.6	49
328	Sensitive detection of hazardous explosives via highly fluorescent crystalline porous aromatic frameworks. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24558		49
327	The power of one-pot: a hexa-component system containing β -stacking, Ugi reaction and RAFT polymerization for simple polymer conjugation on carbon nanotubes. <i>Polymer Chemistry</i> , 2015 , 6, 509-513	4.9	48
326	High performance and reversible ionic polypeptide hydrogel based on charge-driven assembly for biomedical applications. <i>Acta Biomaterialia</i> , 2015 , 11, 183-90	10.8	48
325	Introducing mercaptoacetic acid locking imine reaction into polymer chemistry as a green click reaction. <i>Polymer Chemistry</i> , 2014 , 5, 2695-2699	4.9	48

324	Liquid-Crystalline Soft Actuators with Switchable Thermal Reprogrammability. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 4778-4784	16.4	48
323	Fabrication of robust mesh with anchored Ag nanoparticles for oil removal and in situ catalytic reduction of aromatic dyes. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 15822-15827	13	47
322	Electrochemical investigations on anticorrosive and electrochromic properties of electroactive polyurea. <i>Polymer Chemistry</i> , 2012 , 3, 2209	4.9	47
321	Bottom-up preparation of nitrogen doped carbon quantum dots with green emission under microwave-assisted hydrothermal treatment and their biological imaging. <i>Materials Science and Engineering C</i> , 2018 , 84, 60-66	8.3	47
320	Aggregation Induced Emission Fluorogens Based Nanotheranostics for Targeted and Imaging-Guided Chemo-Photothermal Combination Therapy. <i>Small</i> , 2016 , 12, 6568-6575	11	46
319	High Throughput Preparation of UV-Protective Polymers from Essential Oil Extracts via the Biginelli Reaction. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6865-6872	16.4	45
318	From Polymer Sequence Control to Protein Recognition: Synthesis, Self-Assembly and Lectin Binding. <i>Macromolecules</i> , 2014 , 47, 4676-4683	5.5	45
317	Multicomponent Polymerization System Combining Hantzsch Reaction and Reversible Addition Fragmentation Chain Transfer to Efficiently Synthesize Well-Defined Poly(1,4-dihydropyridine)s. <i>ACS Macro Letters</i> , 2015 , 4, 128-132	6.6	44
316	Lotus- and Mussel-Inspired PDA-PET/PTFE Janus Membrane: Toward Integrated Separation of Light and Heavy Oils from Water. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 20545-20556	9.5	43
315	Modulus-regulated 3D-cell proliferation in an injectable self-healing hydrogel. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017 , 149, 168-173	6	43
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