Peiyi Wu

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66 106 15,122 337 h-index g-index papers citations 17,949 7.2 7.72 343 L-index avg, IF ext. papers ext. citations

#	Paper	IF	Citations
337	One-Pot, Facile, and Versatile Synthesis of Monolayer MoS2/WS2 Quantum Dots as Bioimaging Probes and Efficient Electrocatalysts for Hydrogen Evolution Reaction. <i>Advanced Functional Materials</i> , 2015 , 25, 1127-1136	15.6	616
336	A Bioinspired Mineral Hydrogel as a Self-Healable, Mechanically Adaptable Ionic Skin for Highly Sensitive Pressure Sensing. <i>Advanced Materials</i> , 2017 , 29, 1700321	24	592
335	Simple and green synthesis of nitrogen-doped photoluminescent carbonaceous nanospheres for bioimaging. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 8151-5	16.4	378
334	A supramolecular biomimetic skin combining a wide spectrum of mechanical properties and multiple sensory capabilities. <i>Nature Communications</i> , 2018 , 9, 1134	17.4	276
333	A FTIR and 2D-IR Spectroscopic Study on the Microdynamics Phase Separation Mechanism of the Poly(N-isopropylacrylamide) Aqueous Solution. <i>Macromolecules</i> , 2008 , 41, 1512-1520	5.5	252
332	Preparation of organically dispersible graphene nanosheet powders through a lyophilization method and their poly(lactic acid) composites. <i>Carbon</i> , 2010 , 48, 3834-3839	10.4	249
331	Deposition of three-dimensional graphene aerogel on nickel foam as a binder-free supercapacitor electrode. <i>ACS Applied Materials & Description</i> (2013), 5, 7122-9	9.5	238
330	A one-step strategy for thermal- and pH-responsive graphene oxide interpenetrating polymer hydrogel networks. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4095		231
329	Development of novel SiO2©O nanohybrid/polysulfone membrane with enhanced performance. Journal of Membrane Science, 2014 , 451, 94-102	9.6	225
328	Compatibilization of immiscible polymer blends using graphene oxide sheets. ACS Nano, 2011, 5, 5920-	716.7	199
327	Optimizing polyamide thin film composite membrane covalently bonded with modified mesoporous silica nanoparticles. <i>Journal of Membrane Science</i> , 2013 , 428, 341-348	9.6	184
326	A highly transparent and ultra-stretchable conductor with stable conductivity during large deformation. <i>Nature Communications</i> , 2019 , 10, 3429	17.4	169
325	A multifunctional skin-like sensor based on a 3D printed thermo-responsive hydrogel. <i>Materials Horizons</i> , 2017 , 4, 694-700	14.4	162
324	One-pot, green, rapid synthesis of flowerlike gold nanoparticles/reduced graphene oxide composite with regenerated silk fibroin as efficient oxygen reduction electrocatalysts. <i>ACS Applied Materials & Amp; Interfaces</i> , 2013 , 5, 654-62	9.5	157
323	Graphene oxide sheets covalently functionalized with block copolymersvia click chemistry as reinforcing fillers. <i>Journal of Materials Chemistry</i> , 2011 , 21, 9271		150
322	Development of Hybrid Ultrafiltration Membranes with Improved Water Separation Properties Using Modified Superhydrophilic Metal-Organic Framework Nanoparticles. <i>ACS Applied Materials & ACS Applied Materials</i>	9.5	135
321	Highly elastic graphene oxidelpoxy composite aerogels via simple freeze-drying and subsequent routine curing. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 3495	13	133

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320	Preparation of Highly Thermally Conductive Polymer Composite at Low Filler Content via a Self-Assembly Process between Polystyrene Microspheres and Boron Nitride Nanosheets. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> , 19934-19944	9.5	131
319	Click chemistry as a route for the immobilization of well-defined polystyrene onto graphene sheets. Journal of Materials Chemistry, 2010 , 20, 5605		131
318	Novel ultrafiltration membranes prepared from a multi-walled carbon nanotubes/polymer composite. <i>Journal of Membrane Science</i> , 2010 , 362, 374-383	9.6	131
317	On the Thermally Reversible Dynamic Hydration Behavior of Oligo(ethylene glycol) Methacrylate-Based Polymers in Water. <i>Macromolecules</i> , 2013 , 46, 236-246	5.5	129
316	Facile preparation of 3D MoS2/MoSe2 nanosheetgraphene networks as efficient electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16337-16347	13	127
315	Surface Decoration of Amino-Functionalized Metal-Organic Framework/Graphene Oxide Composite onto Polydopamine-Coated Membrane Substrate for Highly Efficient Heavy Metal Removal. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> 1, 2594-2605	9.5	126
314	Study on a novel polyester composite nanofiltration membrane by interfacial polymerization of triethanolamine (TEOA) and trimesoyl chloride (TMC). <i>Journal of Membrane Science</i> , 2008 , 320, 198-205	9.6	125
313	Graphene-Oxide-Sheet-Induced Gelation of Cellulose and Promoted Mechanical Properties of Composite Aerogels. <i>Journal of Physical Chemistry C</i> , 2012 , 116, 8063-8068	3.8	118
312	Highly Photoluminescent Carbon Dots Derived from Egg White: Facile and Green Synthesis, Photoluminescence Properties, and Multiple Applications. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1412-1418	8.3	116
311	Carbon nanodots featuring efficient FRET for two-photon photodynamic cancer therapy with a low fs laser power density. <i>Biomaterials</i> , 2014 , 35, 9372-81	15.6	114
310	Study on hydrogen bonds of carboxymethyl cellulose sodium film with two-dimensional correlation infrared spectroscopy. <i>Carbohydrate Polymers</i> , 2009 , 78, 454-461	10.3	114
309	A Tough and Stiff Hydrogel with Tunable Water Content and Mechanical Properties Based on the Synergistic Effect of Hydrogen Bonding and Hydrophobic Interaction. <i>Macromolecules</i> , 2018 , 51, 8136-8	1545	114
308	Melamine foam-supported 3D interconnected boron nitride nanosheets network encapsulated in epoxy to achieve significant thermal conductivity enhancement at an ultralow filler loading. <i>Chemical Engineering Journal</i> , 2018 , 348, 723-731	14.7	110
307	Graphene quantum dot hybrids as efficient metal-free electrocatalyst for the oxygen reduction reaction. <i>ACS Applied Materials & Amp; Interfaces</i> , 2013 , 5, 3362-9	9.5	110
306	Infrared spectroscopic insight into hydration behavior of poly(N-vinylcaprolactam) in water. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 11609-18	3.4	108
305	A two dimensional infrared correlation spectroscopic study on the structure changes of PVDF during the melting process. <i>Polymer</i> , 2004 , 45, 5295-5299	3.9	104
304	MWNTs/Polyester Thin Film Nanocomposite Membrane: An Approach To Overcome the Trade-Off Effect between Permeability and Selectivity. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 16395-16400	3.8	98
303	Tuning the functional groups of carbon quantum dots in thin film nanocomposite membranes for nanofiltration. <i>Journal of Membrane Science</i> , 2018 , 564, 394-403	9.6	97

302	Sulfonated graphene oxideBilica for highly selective Nafion-based proton exchange membranes. Journal of Materials Chemistry A, 2014 , 2, 16083-16092	13	96
301	Zwitterionic Skins with a Wide Scope of Customizable Functionalities. <i>ACS Nano</i> , 2018 , 12, 12860-12868	16.7	96
300	Metalbrganic frameworkbraphene oxide composites: a facile method to highly improve the proton conductivity of PEMs operated under low humidity. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15838-15842	13	95
299	Competitive surface-enhanced Raman scattering effects in noble metal nanoparticle-decorated graphene sheets. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 21116-20	3.6	95
298	Alkyl-functionalized graphene nanosheets with improved lipophilicity. <i>Carbon</i> , 2010 , 48, 1683-1685	10.4	95
297	Fluorinated Carbon Nanotube/Nanofibrillated Cellulose Composite Film with Enhanced Toughness, Superior Thermal Conductivity, and Electrical Insulation. <i>ACS Applied Materials & Description</i> 2018, 10, 34311-34321	9.5	89
296	Chain collapse and revival thermodynamics of poly(N-isopropylacrylamide) hydrogel. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 9761-70	3.4	87
295	Effect of Ehucleating agents on crystallization and melting behavior of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2008 , 108, 3370-3379	2.9	87
294	Ultra-thin and porous MoSe2 nanosheets: facile preparation and enhanced electrocatalytic activity towards the hydrogen evolution reaction. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 70-4	3.6	85
293	Polypropylene-grafted graphene oxide sheets as multifunctional compatibilizers for polyolefin-based polymer blends. <i>Journal of Materials Chemistry</i> , 2012 , 22, 14997		85
292	Synthesis of graphene@Fe3O4@C coreBhell nanosheets for high-performance lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7036-7043	13	84
291	Role of Water/Methanol Clustering Dynamics on Thermosensitivity of Poly(N-isopropylacrylamide) from Spectral and Calorimetric Insights. <i>Macromolecules</i> , 2010 , 43, 9501-9510	5.5	84
29 0	Structure analysis of poly(N-isopropylacrylamide) using near-infrared spectroscopy and generalized two-dimensional correlation infrared spectroscopy. <i>Applied Spectroscopy</i> , 2007 , 61, 765-71	3.1	84
289	Optimization, characterization and nanofiltration properties test of MWNTs/polyester thin film nanocomposite membrane. <i>Journal of Membrane Science</i> , 2013 , 428, 425-433	9.6	83
288	Proton Conductivity of Proton Exchange Membrane Synergistically Promoted by Different Functionalized Metal-Organic Frameworks. <i>ACS Applied Materials & Different Research Synergistically Promoted By Different Functionalized Metal-Organic Frameworks. ACS Applied Materials & Different Research Synergistically Promoted By Different Functionalized Metal-Organic Frameworks.</i>	3 9·5	82
287	Hydrophilic MoSe2 Nanosheets as Effective Photothermal Therapy Agents and Their Application in Smart Devices. <i>ACS Applied Materials & Smart Devices</i> , 2016 , 8, 20900-8	9.5	82
286	Facile preparation and multifunctional applications of boron nitride quantum dots. <i>Nanoscale</i> , 2015 , 7, 18902-7	7.7	81
285	Underwater Communication and Optical Camouflage Ionogels. <i>Advanced Materials</i> , 2021 , 33, e2008479	24	81

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284	Two-Dimensional Zeolitic Imidazolate Framework/Carbon Nanotube Hybrid Networks Modified Proton Exchange Membranes for Improving Transport Properties. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 35075-35085	9.5	80
283	2D FT-NIR and FT-IR correlation analysis of temperature-induced changes of nylon12. <i>Chemical Physics Letters</i> , 1998 , 283, 326-332	2.5	80
282	Scalable preparation of alternating block copolymer particles with inverse bicontinuous mesophases. <i>Nature Communications</i> , 2019 , 10, 1397	17.4	79
281	High-performance graphene oxide nanofiltration membrane with continuous nanochannels prepared by the in situ oxidation of MXene. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 6475-6481	13	79
280	Preparation and characterization of anti-fouling Eyclodextrin/polyester thin film nanofiltration composite membrane. <i>Journal of Membrane Science</i> , 2013 , 428, 301-308	9.6	76
279	Rational Design of S-UiO-66@GO Hybrid Nanosheets for Proton Exchange Membranes with Significantly Enhanced Transport Performance. <i>ACS Applied Materials & Discounty Communication (Communication)</i> 26077-2	280587	76
278	Construction of well interconnected metal-organic framework structure for effectively promoting proton conductivity of proton exchange membrane. <i>Journal of Membrane Science</i> , 2017 , 533, 160-170	9.6	73
277	A Facile, High-Yield, and Freeze-and-Thaw-Assisted Approach to Fabricate MXene with Plentiful Wrinkles and Its Application in On-Chip Micro-Supercapacitors. <i>Advanced Functional Materials</i> , 2020 , 30, 1910048	15.6	73
276	A infrared spectroscopic study on the mechanism of temperature-induced phase transition of concentrated aqueous solutions of poly(N-isopropylacrylamide) and N-isopropylpropionamide. <i>Polymer</i> , 2010 , 51, 1404-1412	3.9	72
275	A new strategy to prepare polymer composites with versatile shape memory properties. <i>Journal of Materials Chemistry</i> , 2012 , 22, 24776		70
274	Two-Dimensional (2D) ATRETIR Spectroscopic Study on Water Diffusion in Cured Epoxy Resins. <i>Macromolecules</i> , 2002 , 35, 5500-5507	5.5	69
273	Two-Dimensional ATR E TIR Spectroscopic Investigation on Water Diffusion in Polypropylene Film: Water Bending Vibration. <i>Journal of Physical Chemistry B</i> , 2003 , 107, 4224-4226	3.4	67
272	Highly Thermally Conductive Fluorinated Graphene Films with Superior Electrical Insulation and Mechanical Flexibility. <i>ACS Applied Materials & Emp; Interfaces</i> , 2019 , 11, 21946-21954	9.5	66
271	Influence of a novel Enucleating agent on the structure, morphology, and nonisothermal crystallization behavior of isotactic polypropylene. <i>Journal of Applied Polymer Science</i> , 2009 , 111, 1076-	1685	66
270	Preparation of highly permeable loose nanofiltration membranes using sulfonated polyethylenimine for effective dye/salt fractionation. <i>Chemical Engineering Journal</i> , 2020 , 396, 125199	14.7	65
269	Investigation of the hydrogen-bond structure of cellulose diacetate by two-dimensional infrared correlation spectroscopy. <i>Carbohydrate Polymers</i> , 2008 , 74, 509-513	10.3	65
268	Adaptable polyionic elastomers with multiple sensations and entropy-driven actuations for prosthetic skins and neuromuscular systems. <i>Materials Horizons</i> , 2019 , 6, 538-545	14.4	64
267	Exploring the Volume Phase Transition Behavior of POEGA- and PNIPAM-Based CoreBhell Nanogels from Infrared-Spectral Insights. <i>Macromolecules</i> , 2014 , 47, 1144-1154	5.5	64

266	"Evaporating" graphene oxide sheets (GOSs) for rolled up GOSs and its applications in proton exchange membrane fuel cell. ACS Applied Materials & Therfaces, 2013, 5, 1481-8	9.5	62
265	Mechanistic insights into Cu(I)-catalyzed azide-alkyne "click" cycloaddition monitored by real time infrared spectroscopy. <i>Journal of Physical Chemistry A</i> , 2010 , 114, 8331-6	2.8	62
264	Polymerization of Ionic Liquid-Based Microemulsions: A Versatile Method for the Synthesis of Polymer Electrolytes. <i>Macromolecules</i> , 2008 , 41, 3389-3392	5.5	62
263	Effect of small amount of ultra high molecular weight component on the crystallization behaviors of bimodal high density polyethylene. <i>Polymer</i> , 2008 , 49, 2964-2973	3.9	59
262	Study on a novel polyester composite nanofiltration membrane by interfacial polymerization. II. The role of lithium bromide in the performance and formation of composite membrane. <i>Journal of Membrane Science</i> , 2010 , 365, 276-285	9.6	58
261	UCST or LCST? Composition-Dependent Thermoresponsive Behavior of Poly(N-acryloylglycinamide-co-diacetone acrylamide). <i>Macromolecules</i> , 2017 , 50, 2175-2182	5.5	57
260	Hydrophilic hollow zeolitic imidazolate framework-8 modified ultrafiltration membranes with significantly enhanced water separation properties. <i>Journal of Membrane Science</i> , 2018 , 551, 283-293	9.6	56
259	An experimental investigation of evaporation time and the relative humidity on a novel positively charged ultrafiltration membrane via dry wet phase inversion. <i>Journal of Membrane Science</i> , 2009 , 326, 168-177	9.6	55
258	Effect of chemically modified graphene oxide on the phase separation behaviour and properties of an epoxy/polyetherimide binary system. <i>Polymer Chemistry</i> , 2014 , 5, 96-104	4.9	54
257	A New Strategy to Prepare Polymer-based Shape Memory Elastomers. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1569-75	4.8	53
256	Shear-Enhanced Crystallization in Impact-Resistant Polypropylene Copolymer: Influence of Compositional Heterogeneity and Phase Structure. <i>Macromolecules</i> , 2009 , 42, 7067-7078	5.5	53
255	A self-protected self-cleaning ultrafiltration membrane by using polydopamine as a free-radical scavenger. <i>Journal of Membrane Science</i> , 2015 , 490, 120-128	9.6	52
254	UF membrane with highly improved flux by hydrophilic network between graphene oxide and brominated poly(2,6-dimethyl-1,4-phenylene oxide). <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18562-18	85 ¹ 73	52
253	Supramolecular self-assembly nature of a novel thermotropic liquid crystalline polymer containing no conventional mesogens. <i>Physical Chemistry Chemical Physics</i> , 2009 , 11, 9861-70	3.6	50
252	Synthesis of cellulose/titanium dioxide hybrids in supercritical carbon dioxide. <i>Green Chemistry</i> , 2008 , 10, 1061	10	50
251	Simultaneous Exfoliation and Functionalization of MoSe2 Nanosheets to Prepare "Smart" Nanocomposite Hydrogels with Tunable Dual Stimuli-Responsive Behavior. <i>Small</i> , 2016 , 12, 3112-8	11	50
250	Amorphous-to-crystalline transformation toward controllable synthesis of fibrous covalent organic frameworks enabling promotion of proton transport. <i>Chemical Communications</i> , 2018 , 55, 75-78	5.8	49
249	Facile synthesis of N-rich carbon quantum dots by spontaneous polymerization and incision of solvents as efficient bioimaging probes and advanced electrocatalysts for oxygen reduction reaction. <i>Nanoscale</i> , 2016 , 8, 2219-26	7.7	49

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248	Carbon-Coated Mesoporous TiO2 Nanocrystals Grown on Graphene for Lithium-Ion Batteries. <i>ACS Applied Materials & Distriction (Communication of Communication of</i>	9.5	48	
247	LCST transition of PNIPAM-b-PVCL in water: cooperative aggregation of two distinct thermally responsive segments. <i>Soft Matter</i> , 2014 , 10, 3578-86	3.6	48	
246	Bio-Inspired Ionic Skin for Theranostics. <i>Advanced Functional Materials</i> , 2021 , 31, 2008020	15.6	48	
245	Aqueous Phase Exfoliation of Two-Dimensional Materials Assisted by Thermoresponsive Polymeric Ionic Liquid and Their Applications in Stimuli-Responsive Hydrogels and Highly Thermally Conductive Films. <i>ACS Applied Materials & Samp; Interfaces</i> , 2018 , 10, 2504-2514	9.5	47	
244	Selective growth of MoS2 for proton exchange membranes with extremely high selectivity. <i>ACS Applied Materials & District Materials & D</i>	9.5	47	
243	The effect of water on the conformation transition of Bombyx mori silk fibroin. <i>Vibrational Spectroscopy</i> , 2009 , 51, 105-109	2.1	47	
242	Influence of pre-shearing on the crystallization of an impact-resistant polypropylene copolymer. <i>Polymer</i> , 2009 , 50, 286-295	3.9	47	
241	Two-dimensional/ATR infrared correlation spectroscopic study on water diffusion in a poly(epsilon-caprolactone) matrix. <i>Biomacromolecules</i> , 2003 , 4, 1041-4	6.9	47	
240	Influence of PIL segment on solution properties of poly(N-isopropylacrylamide)-b-poly(ionic liquid) copolymer: micelles, thermal phase behavior and microdynamics. <i>Soft Matter</i> , 2012 , 8, 11644	3.6	46	
239	Nafion-Initiated ATRP of 1-Vinylimidazole for Preparation of Proton Exchange Membranes. <i>ACS Applied Materials & Discourse (Materials & Discourse)</i> 11516-25	9.5	46	
238	Unusual thermal phase transition behavior of an ionic liquid and poly(ionic liquid) in water with significantly different LCST and dynamic mechanism. <i>Polymer Chemistry</i> , 2014 , 5, 5578	4.9	44	
237	Crystalline transformation of isotactic polybutene-1 in supercritical CO2 studied by in-situ fourier transform infrared spectroscopy. <i>Polymer</i> , 2009 , 50, 5598-5604	3.9	44	
236	Trace of the interesting "V"-shaped dynamic mechanism of interactions between water and ionic liquids. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 14251-9	3.4	44	
235	Skin-like mechanoresponsive self-healing ionic elastomer from supramolecular zwitterionic network. <i>Nature Communications</i> , 2021 , 12, 4082	17.4	44	
234	Water-soluble triphenylphosphine-derived microgel as the template towards in-situ nitrogen, phosphorus co-doped mesoporous graphene framework for supercapacitor and electrocatalytic oxygen reduction. <i>Chemical Engineering Journal</i> , 2017 , 328, 417-427	14.7	43	
233	Decoration of graphene oxide sheets with luminescent rare-earth complexes. <i>Carbon</i> , 2011 , 49, 1502-1	5 04 .4	42	
232	Understanding the UCST-type transition of P(AAm-co-AN) in H2O and D2O: dramatic effects of solvent isotopes. <i>Soft Matter</i> , 2015 , 11, 7059-65	3.6	41	
231	MoS-based dual-responsive flexible anisotropic actuators. <i>Nanoscale</i> , 2016 , 8, 18800-18807	7.7	41	

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Thermally Conductive Composite. ACS Applied Materials & Distribution (2015), 11, 28943-28952

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212	Effect of structural constraint on dynamic self-assembly behavior of PNIPAM-based nonlinear multihydrophilic block copolymers. <i>Soft Matter</i> , 2013 , 9, 1807-1816	3.6	36	
211	Traditional Dough in the Era of Internet of Things: Edible, Renewable, and Reconfigurable Skin-Like Iontronics. <i>Advanced Functional Materials</i> , 2020 , 30, 1908018	15.6	36	
210	Does thermal treatment merely make a H2O-saturated Nafion membrane lose its absorbed water at high temperature?. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 9106-15	3.6	35	
209	Further investigation of the intermolecular interactions and component distributions in a [Bmim][BF4]-based polystyrene composite membranes using two-dimensional correlation infrared spectroscopy. <i>Langmuir</i> , 2010 , 26, 11427-34	4	35	
208	Novel Composite Proton Exchange Membrane with Connected Long-Range Ionic Nanochannels Constructed via Exfoliated Nafion-Boron Nitride Nanocomposite. <i>ACS Applied Materials & ACS Applied Materials & Interfaces</i> , 2017 , 9, 14791-14800	9.5	34	
207	Thermoresponsive supramolecular dendronized copolymers with tunable phase transition temperatures. <i>Soft Matter</i> , 2012 , 8, 6371	3.6	34	
206	Controlling the Morphology of BaCO3 Aggregates by Carboxymethyl Cellulose through Polymer Induced Needle-Stacking Self-Assembly. <i>Crystal Growth and Design</i> , 2010 , 10, 2685-2692	3.5	33	
205	Spectral insights into gelation microdynamics of PNIPAM in an ionic liquid. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 10604-14	3.4	33	
204	Development of nanofiltration membranes using mussel-inspired sulfonated dopamine for interfacial polymerization. <i>Journal of Membrane Science</i> , 2020 , 598, 117658	9.6	33	
203	Adaptive Ionogel Paint from Room-Temperature Autonomous Polymerization of ⊞hioctic Acid for Stretchable and Healable Electronics. <i>Advanced Functional Materials</i> , 2021 , 31, 2101494	15.6	33	
202	Molecular Evolution of Poly(2-isopropyl-2-oxazoline) Aqueous Solution during the Liquid-Liquid Phase Separation and Phase Transition Process. <i>Langmuir</i> , 2015 , 31, 6870-8	4	32	
201	A 3D Printable and Bioactive Hydrogel Scaffold to Treat Traumatic Brain Injury. <i>Advanced Functional Materials</i> , 2019 , 29, 1904450	15.6	32	
200	Facile and green synthesis of a surfactant-free Au clusters/reduced graphene oxide composite as an efficient electrocatalyst for the oxygen reduction reaction. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 13682	13	32	
199	On the thermodynamic phase behavior of poly(N-vinylcaprolactam) solution in the presence of different ionic liquids. <i>Polymer Chemistry</i> , 2014 , 5, 761-770	4.9	32	
198	Temperature-dependent compatibilizing effect of graphene oxide as a compatibilizer for immiscible polymer blends. <i>RSC Advances</i> , 2013 , 3, 7987	3.7	32	
197	Integrated microdynamics mechanism of the thermal-induced phase separation behavior of poly(vinyl methyl ether) aqueous solution. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 1335-46	3.4	32	
196	Thermoresponsive supramolecular dendronized polymers. <i>Chemistry - an Asian Journal</i> , 2011 , 6, 3260-9	4.5	32	
195	Study of the infrared spectral features of an epoxy curing mechanism. <i>Applied Spectroscopy</i> , 2008 , 62, 1129-36	3.1	32	

194	Further investigation on potassium-induced conformation transition of Nephila spidroin film with two-dimensional infrared correlation spectroscopy. <i>Biomacromolecules</i> , 2005 , 6, 302-8	6.9	32
193	Study on diffusion behavior of water in epoxy resins cured by active ester. <i>Physical Chemistry Chemical Physics</i> , 2003 , 5, 1848-1852	3.6	32
192	Scalable Fabrication of Kevlar/TiCT MXene Intelligent Wearable Fabrics with Multiple Sensory Capabilities. <i>ACS Nano</i> , 2021 , 15, 8676-8685	16.7	32
191	The effect of added gold nanoparticles on the volume phase transition behavior for PVCL-based microgels. <i>RSC Advances</i> , 2014 , 4, 39231	3.7	31
190	In-depth study of the phase separation behaviour of a thermoresponsive ionic liquid and a poly(ionic liquid) in concentrated aqueous solution. <i>Soft Matter</i> , 2015 , 11, 5253-64	3.6	31
189	Crystallization process of poly(e-caprolactone)poly(ethylene oxide)poly(e-caprolactone) investigated by infrared and two-dimensional infrared correlation spectroscopy. <i>Polymer</i> , 2007 , 48, 347	7 ² 3 ³ 48.	5 ³¹
188	A bioinspired high-modulus mineral hydrogel binder for improving the cycling stability of microsized silicon particle-based lithium-ion battery. <i>Nano Research</i> , 2019 , 12, 1121-1127	10	30
187	Dynamic self-aggregation behavior of a PNIPAM-based nonlinear multihydrophilic block copolymer revealed by two-dimensional correlation spectroscopy. <i>Soft Matter</i> , 2012 , 8, 3980	3.6	30
186	Thermodynamics of hyperbranched poly(ethylenimine) with isobutyramide residues during phase transition: an insight into the molecular mechanism. <i>Journal of Physical Chemistry B</i> , 2011 , 115, 8832-44	3.4	30
185	Investigation of Water Diffusion in Low-Density Polyethylene by Attenuated Total Reflectance Fourier Transform Infrared Spectroscopy and Two-Dimensional Correlation Analysis. <i>Industrial & Mamp; Engineering Chemistry Research</i> , 2011 , 50, 6447-6454	3.9	30
184	Phase separation of poly(vinyl methyl ether) aqueous solution: a near-infrared spectroscopic study. Langmuir, 2008 , 24, 5521-6	4	30
183	Formation of 3D Dandelions and 2D Nanowalls of Copper Phosphate Dihydrate on a Copper Surface and Their Conversion into a Nanoporous CuO Film. <i>European Journal of Inorganic Chemistry</i> , 2005 , 2005, 4775-4779	2.3	29
182	Efficient Access to Inverse Bicontinuous Mesophases via Polymerization-Induced Cooperative Assembly. <i>CCS Chemistry</i> , 2021 , 3, 2211-2222	7.2	29
181	A H2O donating/methanol acceptinglplatform for preparation of highly selective Nafion-based proton exchange membranes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18546-18556	13	28
180	Unusual phase transition mechanism of poly(ethylene oxide) in an ionic liquid: opposite frequency shifts in CH groups. <i>Soft Matter</i> , 2013 , 9, 11585	3.6	28
179	Methyl matters: An autonomic rapid self-healing supramolecular poly(N-methacryloyl glycinamide) hydrogel. <i>Polymer</i> , 2017 , 126, 1-8	3.9	28
178	Biomimetic synthesis of monodisperse rosette-like calcite mesocrystals regulated by carboxymethyl cellulose and the proposed mechanism: An unconventional rhombohedra-stacking route. <i>CrystEngComm</i> , 2009 , 11, 2466	3.3	28
177	Thermoresponsive behavior of an LCST-type polymer based on a pyrrolidone structure in aqueous solution. <i>Soft Matter</i> , 2012 , 8, 2662	3.6	27

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