

Peiyi Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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

#	Paper	IF	Citations
337	Gel Electrolyte Constructing Zn (002) Deposition Crystal Plane Toward Highly Stable Zn Anode.. <i>Advanced Science</i> , 2022 , e2104832	13.6	18
336	Anti-freezing Hydrogel Electrolyte with Ternary Hydrogen Bonding for High Performance zinc-ion Batteries.. <i>Advanced Materials</i> , 2022 , e2110140	24	21
335	One stone for three birds: One-step engineering highly elastic and conductive hydrogel electronics with multilayer MXene as initiator, crosslinker and conductive filler simultaneously. <i>Chemical Engineering Journal</i> , 2022 , 428, 132515	14.7	8
334	Kneading-Inspired Versatile Design for Biomimetic Skins with a Wide Scope of Customizable Features.. <i>Advanced Science</i> , 2022 , e2200108	13.6	3
333	Gelation-Assisted Assembly of Large-Area, Highly Aligned, and Environmentally Stable MXene Films with an Excellent Trade-Off between Mechanical and Electrical Properties.. <i>Small</i> , 2022 , e2200829	11	3
332	Hydrogen-Bonding Affords Sustainable Plastics with Ultrahigh Robustness and Water-assisted Arbitrarily Shape Engineering.. <i>Advanced Materials</i> , 2022 , e2201065	24	10
331	Gelation-Assisted Assembly of Large-Area, Highly Aligned, and Environmentally Stable MXene Films with an Excellent Trade-Off between Mechanical and Electrical Properties (Small 21/2022). <i>Small</i> , 2022 , 18, 2270107	11	0
330	Multirole Regulations of Interfacial Polymerization Using Poly(acrylic acid) for Nanofiltration Membrane Development. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	2
329	Decoupling of Mechanical Strength and Ionic Conductivity in Zwitterionic Elastomer Gel Electrolyte toward Safe Batteries. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 13319-13327	9.5	1
328	Adaptive Ionogel Paint from Room-Temperature Autonomous Polymerization of 6-Thiostic Acid for Stretchable and Healable Electronics. <i>Advanced Functional Materials</i> , 2021 , 31, 2101494	15.6	33
327	Scalable Fabrication of Kevlar/TiCT MXene Intelligent Wearable Fabrics with Multiple Sensory Capabilities. <i>ACS Nano</i> , 2021 , 15, 8676-8685	16.7	32
326	Conductance-stable liquid metal sheath-core microfibers for stretchy smart fabrics and self-powered sensing. <i>Science Advances</i> , 2021 , 7,	14.3	40
325	Underwater Communication and Optical Camouflage Ionogels. <i>Advanced Materials</i> , 2021 , 33, e2008479	24	81
324	A Smart Patch with On-Demand Detachable Adhesion for Bioelectronics. <i>Small</i> , 2021 , 17, e2101220	11	39
323	Skin-like mechanoresponsive self-healing ionic elastomer from supramolecular zwitterionic network. <i>Nature Communications</i> , 2021 , 12, 4082	17.4	44
322	Bio-Inspired Ionic Skin for Theranostics. <i>Advanced Functional Materials</i> , 2021 , 31, 2008020	15.6	48
321	Hierarchical Network-Augmented Hydroglasses for Broadband Light Management. <i>Research</i> , 2021 , 2021, 4515164	7.8	7

320	Recycled Iontronic from Discarded Chewed Gum for Personalized Healthcare Monitoring and Intelligent Information Encryption. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 6731-6738	9.5	11
319	Double-network thermocells with extraordinary toughness and boosted power density for continuous heat harvesting. <i>Joule</i> , 2021 , 5, 2211-2222	27.8	20
318	Efficient Access to Inverse Bicontinuous Mesophases via Polymerization-Induced Cooperative Assembly. <i>CCS Chemistry</i> , 2021 , 3, 2211-2222	7.2	29
317	A Multi-Scale Structural Engineering Strategy for High-Performance MXene Hydrogel Supercapacitor Electrode. <i>Advanced Science</i> , 2021 , 8, e2101664	13.6	20
316	Immunizing Aqueous Zn Batteries against Dendrite Formation and Side Reactions at Various Temperatures via Electrolyte Additives. <i>Small</i> , 2021 , 17, e2103195	11	26
315	A Highly Robust Iontronic Fiber with Unprecedented Mechanomodulation of Ionic Conduction. <i>Advanced Materials</i> , 2021 , 33, e2103755	24	13
314	Intrinsically stretchable sheath-core ionic sensory fibers with well-regulated conformal and reprogrammable buckling. <i>Materials Horizons</i> , 2021 , 8, 2088-2096	14.4	7
313	A highly transparent ionogel with strength enhancement ability for robust bonding in an aquatic environment. <i>Materials Horizons</i> , 2021 , 8, 2057-2064	14.4	24
312	A sustainable, ultratough, and ready-to-use adhesive heating patch driven by solar/electric dual energy. <i>SusMat</i> , 2021 , 1, 545-557		1
311	Interface Deformable, Thermally Sensitive Hydrogel/Elastomer Hybrid Fiber for Versatile Underwater Sensing. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000515	6.8	6
310	Bioinspired Hierarchical Liquid-Metacrylate Fibers for Chiral Optics and Advanced Textiles. <i>Advanced Functional Materials</i> , 2020 , 30, 2002193	15.6	24
309	Dynamic wrinkling of a hydrogel/elastomer hybrid microtube enables blood vessel-like hydraulic pressure sensing and flow regulation. <i>Materials Horizons</i> , 2020 , 7, 2150-2157	14.4	17
308	Distinct Cation/Anion Interactions in the UCST and LCST Behavior of Polyelectrolyte Complex Aqueous Solutions. <i>ACS Macro Letters</i> , 2020 , 9, 974-979	6.6	23
307	Hybrid Materials from Ultrahigh-Inorganic-Content Mineral Plastic Hydrogels: Arbitrarily Shapeable, Strong, and Tough. <i>Advanced Functional Materials</i> , 2020 , 30, 1910425	15.6	16
306	Stimuli-Responsive Electronic Skins 2020 , 29-48		1
305	Chirally Reversed Graphene Oxide Liquid Crystals. <i>Advanced Science</i> , 2020 , 7, 2001269	13.6	4
304	Facile synthesis of large-area ultrathin two-dimensional supramolecular nanosheets in water. <i>Nano Research</i> , 2020 , 13, 868-874	10	10
303	Redox-Active Iron-Citrate Complex Regulated Robust Coating-Free Hydrogel Microfiber Net with High Environmental Tolerance and Sensitivity. <i>Advanced Functional Materials</i> , 2020 , 30, 1910387	15.6	38

302	Exploring the diffusion behavior of urea aqueous solution in the viscose film by ATR-FTIR spectroscopy. <i>Cellulose</i> , 2020 , 27, 2403-2415	5.5	5
301	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
300	Biomimetic MXene-Polyvinyl Alcohol Composite Hydrogel with Vertically Aligned Channels for Highly Efficient Solar Steam Generation. <i>Advanced Materials Technologies</i> , 2020 , 5, 2000065	6.8	39
299	Flexible Dry Hydrogel with Lamella-Like Structure Engineered via Dehydration in Poor Solvent. <i>CCS Chemistry</i> , 2020 , 2, 533-543	7.2	
298	Flexible Dry Hydrogel with Lamella-Like Structure Engineered via Dehydration in Poor Solvent. <i>CCS Chemistry</i> , 2020 , 2, 533-543	7.2	4
297	A small amount of delaminated Ti3C2 flakes to greatly enhance the thermal conductivity of boron nitride papers by assembling a well-designed interface. <i>Materials Chemistry Frontiers</i> , 2020 , 4, 292-301	7.8	20
296	What Determines the Formation of Block Copolymer Nanotubes?. <i>Macromolecules</i> , 2020 , 53, 367-373	5.5	23
295	Development of nanofiltration membranes using mussel-inspired sulfonated dopamine for interfacial polymerization. <i>Journal of Membrane Science</i> , 2020 , 598, 117658	9.6	33
294	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
293	An ultrathin polydiacetylene nanosheet as dual colorimetric and fluorescent indicator for lysophosphatidic acid, a cancer biomarker. <i>Giant</i> , 2020 , 3, 100025	5.6	4
292	Interfacially stable MOF nanosheet membrane with tailored nanochannels for ultrafast and thermo-responsive nanofiltration. <i>Nano Research</i> , 2020 , 13, 2973-2978	10	11
291	Dynamic Diffusion of Disperse Dye in a Polyethylene Terephthalate Film from an Infrared Spectroscopic Perspective. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 7398-7404	3.9	5
290	Controlled Assembly of Luminescent Lanthanide-Organic Frameworks via Post-Treatment of 3D-Printed Objects. <i>Nano-Micro Letters</i> , 2020 , 13, 15	19.5	7
289	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
288	Microdynamic changes of moisture-induced crystallization of amorphous calcium carbonate revealed via in situ FTIR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 21882-21889	3.6	6
287	Two-dimensional correlation infrared spectroscopy of heat-induced esterification of cellulose with 1,2,3,4-butanetetracarboxylic acid in the presence of sodium hypophosphite. <i>Cellulose</i> , 2019 , 26, 2759-2769	5.5	14
286	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
285	Nature Plant Polyphenol Coating Silicon Submicroparticle Conjugated with Polyacrylic Acid for Achieving a High-Performance Anode of Lithium-Ion Battery. <i>ACS Applied Energy Materials</i> , 2019 , 2, 5066-5073	6.1	17

284	Highly Thermally Conductive Fluorinated Graphene Films with Superior Electrical Insulation and Mechanical Flexibility. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 21946-21954	9.5	66
283	One-step photo-mediated grafting of poly(methyl methacrylate) onto fluorinated carbon nanotube for the enhanced thermal conductive property of polymer composites. <i>Chemical Engineering Journal</i> , 2019 , 369, 272-279	14.7	17
282	A bioinspired high-modulus mineral hydrogel binder for improving the cycling stability of micro-sized silicon particle-based lithium-ion battery. <i>Nano Research</i> , 2019 , 12, 1121-1127	10	30
281	Scalable preparation of alternating block copolymer particles with inverse bicontinuous mesophases. <i>Nature Communications</i> , 2019 , 10, 1397	17.4	79
280	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
279	A 3D Printable and Bioactive Hydrogel Scaffold to Treat Traumatic Brain Injury. <i>Advanced Functional Materials</i> , 2019 , 29, 1904450	15.6	32
278	Stable functionalized graphene oxide/cellulose nanofiber solid electrolytes with long-range 1D/2D ionic nanochannels. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 20871-20877	13	10
277	3D Vertically Aligned BNNS Network with Long-Range Continuous Channels for Achieving a Highly Thermally Conductive Composite. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 28943-28952	9.5	36
276	A highly transparent and ultra-stretchable conductor with stable conductivity during large deformation. <i>Nature Communications</i> , 2019 , 10, 3429	17.4	169
275	Hydroxypropylcellulose Coating to Improve Graft-to-Bone Healing for Anterior Cruciate Ligament Reconstruction. <i>ACS Biomaterials Science and Engineering</i> , 2019 , 5, 1793-1803	5.5	3
274	Colloidally Stable Monolayer Nanosheets with Colorimetric Responses. <i>Small</i> , 2019 , 15, e1804975	11	23
273	Exploring the hydrogen-bond structures in sodium alginate through two-dimensional correlation infrared spectroscopy. <i>Carbohydrate Polymers</i> , 2019 , 205, 420-426	10.3	41
272	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
271	The role of unique spatial structure in the volume phase transition behavior of poly(N-isopropylacrylamide)-based interpenetrating polymer network microgels including a thermosensitive poly(ionic liquid). <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 8077-8087	3.6	4
270	Stable boron nitride nanocomposites based membranes for high-efficiency proton conduction. <i>Electrochimica Acta</i> , 2018 , 273, 162-169	6.7	10
269	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
268	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 & Interfaces</i> , 2018 , 10, 2504-2514	9.5	47
267	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

266	Insights into the thermal phase transition behavior of a gemini dicationic polyelectrolyte in aqueous solution. <i>Soft Matter</i> , 2018 , 14, 4380-4387	3.6	1
265	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
264	Hydrogen bond mediated partially miscible poly(N-acryloyl piperidine)/poly(acrylic acid) blend with one glass transition temperature. <i>Polymer</i> , 2018 , 151, 269-278	3.9	8
263	A molecular level study of the phase transition process of hydrogen-bonding UCST polymers. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 20849-20855	3.6	15
262	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
261	Composite Proton-Exchange Membrane with Highly Improved Proton Conductivity Prepared by in Situ Crystallization of Porous Organic Cage. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 18351-18358	9.5	22
260	Block length-dependent phase transition of poly(N-isopropylacrylamide)-b-poly(2-isopropyl-2-oxazoline) diblock copolymer in water. <i>Polymer</i> , 2018 , 153, 250-261	3.9	10
259	Carbon dots with multi-functional groups and the application in proton exchange membranes. <i>Electrochimica Acta</i> , 2018 , 260, 92-100	6.7	18
258	Nafion-assisted exfoliation of MoS ₂ in water phase and the application in quick-response NIR light controllable multi-shape memory membrane. <i>Nano Research</i> , 2018 , 11, 542-553	10	17
257	Zwitterionic Skins with a Wide Scope of Customizable Functionalities. <i>ACS Nano</i> , 2018 , 12, 12860-12868	16.7	96
256	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, 8136-8146	5.5	114
255	Fast Proton Conduction in Denatured Bovine Serum Albumin-Coated Nafion Membranes. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39768-39776	9.5	5
254	Fluorinated Carbon Nanotube/Nanofibrillated Cellulose Composite Film with Enhanced Toughness, Superior Thermal Conductivity, and Electrical Insulation. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34311-34321	9.5	89
253	Hydrogen bonding reinforcement as a strategy to improve upper critical solution temperature of poly(N-acryloylglycinamide-co-methacrylic acid). <i>Polymer Chemistry</i> , 2018 , 9, 3667-3673	4.9	12
252	Switching between Polymer Architectures with Distinct Thermoresponses. <i>Macromolecular Rapid Communications</i> , 2017 , 38, 1600808	4.8	4
251	UCST or LCST? Composition-Dependent Thermoresponsive Behavior of Poly(N-acryloylglycinamide-co-diacetone acrylamide). <i>Macromolecules</i> , 2017 , 50, 2175-2182	5.5	57
250	Ultrasmall few-layered MoS ₂ nanosheets anchored on flower-like hierarchical carbons as a long-life electrode for lithium storage. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 683-691	6.8	8
249	Intra-molecular interactions dominating the dehydration of a poly(2-isopropyl-2-oxazoline)-based densely grafted polymer comb in aqueous solution and hysteretic liquid-liquid phase separation. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 6626-6635	3.6	12

248	Novel Composite Proton Exchange Membrane with Connected Long-Range Ionic Nanochannels Constructed via Exfoliated Nafion-Boron Nitride Nanocomposite. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14791-14800	9.5	34
247	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
246	Ultrafast, Scale-Up Synthesis of Pure and Stable Amorphous Carbonate Mineral Nanoparticles. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 4499-4504	8.3	13
245	Novel Slightly Reduced Graphene Oxide Based Proton Exchange Membrane with Constructed Long-Range Ionic Nanochannels via Self-Assembling of Nafion. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22620-22627	9.5	26
244	Proton Conductivity of Proton Exchange Membrane Synergistically Promoted by Different Functionalized Metal-Organic Frameworks. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 22597-22603	9.5	82
243	A multifunctional skin-like sensor based on a 3D printed thermo-responsive hydrogel. <i>Materials Horizons</i> , 2017 , 4, 694-700	14.4	162
242	Development of Hybrid Ultrafiltration Membranes with Improved Water Separation Properties Using Modified Superhydrophilic Metal-Organic Framework Nanoparticles. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 21473-21484	9.5	135
241	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 & Interfaces</i> , 2017 , 9, 19934-19944	9.5	131
240	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
239	Mesoporous graphene/carbon framework embedded with SnO ₂ nanoparticles as a high-performance anode for lithium storage. <i>Inorganic Chemistry Frontiers</i> , 2017 , 4, 889-897	6.8	11
238	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 & Interfaces</i> , 2017 , 9, 2594-2605	9.5	126
237	Volume Phase Transition Mechanism of Poly[di(ethylene glycol)ethyl ether acrylate]-Based Microgels Involving a Thermosensitive Poly(ionic liquid). <i>Langmuir</i> , 2017 , 33, 12326-12335	4	7
236	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
235	Revealing the distinct thermal transition behavior between PEGA-based linear polymers and their disulfide cross-linked nanogels. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25746-25753	3.6	5
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	Toward the two-step microdynamic phase transition mechanism of an oligo(ethylene glycol)methacrylate-based copolymer with a LCST-type poly(ionic liquid) block. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 18556-18564	3.6	6
232	Rational Design of S-UiO-66@GO Hybrid Nanosheets for Proton Exchange Membranes with Significantly Enhanced Transport Performance. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 26077-26087	9.5	76
231	The influence of a thermoresponsive polymer on the microdynamic phase transition mechanisms of distinctly structured thermoresponsive ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22263-22271	3.6	7

230	Methyl matters: An autonomic rapid self-healing supramolecular poly(N-methacryloyl glycinamide) hydrogel. <i>Polymer</i> , 2017 , 126, 1-8	3.9	28
229	Multiple interaction regulated phase transition behavior of thermo-responsive copolymers containing cationic poly(ionic liquid)s. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 30804-30813	3.6	5
228	FT-IR studies of factors affecting the diffusivity of oligo (oxyethylene) fatty acid ester in PE films: Effect of temperature, ethylene oxide chain length and base resin type. <i>Polymer</i> , 2017 , 130, 150-160	3.9	2
227	The structure and volume phase transition behavior of poly(N-vinylcaprolactam)-based hybrid microgels containing carbon nanodots. <i>Physical Chemistry Chemical Physics</i> , 2016 , 19, 127-134	3.6	13
226	On the abnormal "forced hydration" behavior of P(MEA-co-OEGA) aqueous solutions during phase transition from infrared spectroscopic insights. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 15593-6013	3.6	14
225	Exploring the influence of the poly(4-vinyl pyridine) segment on the solution properties and thermal phase behaviours of oligo(ethylene glycol) methacrylate-based block copolymers: the different aggregation processes with various morphologies. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21848-70	3.6	13
224	MoS-based dual-responsive flexible anisotropic actuators. <i>Nanoscale</i> , 2016 , 8, 18800-18807	7.7	41
223	Exploration of Doubly Thermal Phase Transition Process of PDEGA-b-PDMA-b-PVCL in Water. <i>Langmuir</i> , 2016 , 32, 6691-700	4	16
222	Structural Evolution of Silica Gel and Silsesquioxane Using Thermal Curing. <i>Applied Spectroscopy</i> , 2016 , 70, 1328-38	3.1	5
221	A self-protection phenomenon in the Nafion membrane when it breathes in methanol-saturated air. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 19440-50	3.6	3
220	Understanding the thermosensitivity of POEGA-based star polymers: LCST-type transition in water vs. UCST-type transition in ethanol. <i>Soft Matter</i> , 2016 , 12, 2473-80	3.6	20
219	Growth of 3D hierarchical porous NiO@carbon nanoflakes on graphene sheets for high-performance lithium-ion batteries. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 3893-9	3.6	38
218	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
217	Toward the dynamic phase transition mechanism of a thermoresponsive ionic liquid in the presence of different thermoresponsive polymers. <i>Soft Matter</i> , 2016 , 12, 925-33	3.6	11
216	Ultra-thin and porous MoSe ₂ 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
215	Dynamic phase transition behavior and unusual hydration process in poly(ethylene oxide)-b-poly(N-vinylcaprolactam) aqueous solution. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 385-396	2.6	9
214	Simultaneous Exfoliation and Functionalization of MoSe ₂ Nanosheets to Prepare "Smart" Nanocomposite Hydrogels with Tunable Dual Stimuli-Responsive Behavior. <i>Small</i> , 2016 , 12, 3112-8	11	50
213	Unusual Phase Transition Behavior of Poly(N-isopropylacrylamide)-co-Poly(tetrabutylphosphonium styrenesulfonate) in Water: Mild and Linear Changes in the Poly(N-isopropylacrylamide) Part. <i>Langmuir</i> , 2016 , 32, 3728-36	4	25

212	Formation of Multidomain Hydrogels via Thermally Induced Assembly of PISA-Generated Triblock Terpolymer Nanogels. <i>Macromolecules</i> , 2016 , 49, 3038-3048	5.5	40
211	Nafion-Initiated ATRP of 1-Vinylimidazole for Preparation of Proton Exchange Membranes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 11516-25	9.5	46
210	Novel Composite PEM with Long-Range Ionic Nanochannels Induced by Carbon Nanotube/Graphene Oxide Nanoribbon Composites. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 28955-28963	9.5	23
209	Hydrophilic MoSe ₂ Nanosheets as Effective Photothermal Therapy Agents and Their Application in Smart Devices. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 20900-8	9.5	82
208	Microgels with Linear Thermosensitivity in a Wide Temperature Range. <i>Macromolecules</i> , 2016 , 49, 6095-6100	5.5	19
207	A polymeric ionic liquid functionalized temperature-responsive composite membrane with tunable responsive behavior. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 7919-7928	13	22
206	Structural investigation of thermo-responsive poly(2-isopropyl-2-oxazoline) hydrogel across the volume phase transition. <i>Soft Matter</i> , 2015 , 11, 1911-8	3.6	20
205	A H ₂ O donating/methanol accepting platform for preparation of highly selective Nafion-based proton exchange membranes. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 18546-18556	13	28
204	Biomimetic Controlling of CaCO ₃ and BaCO ₃ Superstructures by Zwitterionic Polymer. <i>ACS Sustainable Chemistry and Engineering</i> , 2015 , 3, 1810-1818	8.3	18
203	β-Cyclodextrin modified silica nanoparticles for Nafion based proton exchange membranes with significantly enhanced transport properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 15607-15615	13	21
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	Facile preparation of 3D MoS ₂ /MoSe ₂ nanosheet-graphene networks as efficient electrocatalysts for the hydrogen evolution reaction. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 16337-16347	13	127
200	Metal-organic framework-graphene 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
199	Preparation of a positively charged nanofiltration membrane based on hydrophilic-hydrophobic transformation of a poly(ionic liquid). <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12367-12376	13	36
198	Carbon-Coated Mesoporous TiO ₂ Nanocrystals Grown on Graphene for Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 10395-400	9.5	48
197	Exploring the drug migration process through ethyl cellulose-based films from infrared-spectral insights. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2015 , 93, 46-51	5.7	12
196	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
195	Volume phase transition mechanism of poly[oligo(ethylene glycol)methacrylate] based thermo-responsive microgels with poly(ionic liquid) cross-linkers. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 25525-35	3.6	20

194	Facile preparation and multifunctional applications of boron nitride quantum dots. <i>Nanoscale</i> , 2015 , 7, 18902-7	7.7	81
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