

Shiao-Wei Kuo

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.

440
papers

14,148
citations

60
h-index

90
g-index

454
ext. papers

16,197
ext. citations

5
avg, IF

7.39
L-index

#	Paper	IF	Citations
440	Metal Complexes of the Porphyrin-Functionalized Polybenzoxazine.. <i>Polymers</i> , 2022 , 14,	4.5	2
439	Study on the effects of soluble POSS on chain disentanglement in UHMWPE polymerization. <i>Polymer</i> , 2022 , 124561	3.9	2
438	A pyridinyl-phenazine conjugated microporous polymer decorated with ultrafine Ag nanoparticles mediates the rapid reduction of nitrophenol. <i>Microporous and Mesoporous Materials</i> , 2022 , 331, 111669	5.3	4
437	Advances in porous organic polymers: syntheses, structures, and diverse applications. <i>Materials Advances</i> , 2022 , 3, 707-733	3.3	27
436	Study of two novel siloxane-containing polybenzoxazines with intrinsic low dielectric constant. <i>Polymer</i> , 2022 , 124572	3.9	1
435	Hydrogen bonding interactions in polymer/polyhedral oligomeric silsesquioxane nanomaterials. <i>Journal of Polymer Research</i> , 2022 , 29,	2.7	4
434	Unique multiferroics with tunable ferroelastic transition in antiferromagnet Mn ₂ V ₂ O ₇ . <i>Materials Today Physics</i> , 2022 , 23, 100623	8	0
433	Fluorescent and thermoresponsive tetraphenylethene-based cross-linked poly(N-isopropylacrylamide)s: Synthesis, thermal/AIE properties, and cell viability. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 133, 104238	5.3	1
432	Breathable and superhydrophobic photothermic fabric enables efficient interface energy management via confined heating strategy for sustainable seawater evaporation. <i>Chemical Engineering Journal</i> , 2022 , 428, 131142	14.7	5
431	Curing Kinetics of Main-Chain Benzoxazine Polymers Synthesized in Continuous Flow. <i>Industrial & Engineering Chemistry Research</i> , 2022 , 61, 2947-2954	3.9	0
430	Bioinspired Adaptive, Elastic, and Conductive Graphene Structured Thin-Films Achieving High-Efficiency Underwater Detection and Vibration Perception.. <i>Nano-Micro Letters</i> , 2022 , 14, 62	19.5	1
429	Dispersions of 1,3,4-Oxadiazole-Linked Conjugated Microporous Polymers with Carbon Nanotubes as a High-Performance Electrode for Supercapacitors. <i>ACS Applied Energy Materials</i> , 2022 , 5, 3677-3688	6.1	8
428	Ultrastable Covalent Triazine Organic Framework Based on Anthracene Moiety as Platform for High-Performance Carbon Dioxide Adsorption and Supercapacitors.. <i>International Journal of Molecular Sciences</i> , 2022 , 23,	6.3	6
427	Ultrastable Conjugated Microporous Polymers Containing Benzobisthiadiazole and Pyrene Building Blocks for Energy Storage Applications.. <i>Molecules</i> , 2022 , 27,	4.8	5
426	Ultrastable carbazole-tethered conjugated microporous polymers for high-performance energy storage. <i>Microporous and Mesoporous Materials</i> , 2022 , 333, 111766	5.3	0
425	Triphenylamine-based conjugated microporous polymers as dye adsorbents and supercapacitors. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2022 , 134, 104310	5.3	0
424	Varying the sequence distribution and hydrogen bonding strength provides highly Heat-Resistant PMMA copolymers. <i>European Polymer Journal</i> , 2022 , 170, 111165	5.2	0

423	Biomass-derived nanostructured coatings based on cellulose nanofibers-melanin hybrids toward solar-enabled multifunctional energy management. <i>Nano Energy</i> , 2022 , 97, 107180	17.1	2
422	Microneedle patches integrated with lateral flow cassettes for blood-free chronic kidney disease point-of-care testing during a pandemic.. <i>Biosensors and Bioelectronics</i> , 2022 , 208, 114234	11.8	0
421	Conjugated microporous polymers containing ferrocene units for high carbon dioxide uptake and energy storage. <i>Materials Chemistry and Physics</i> , 2022 , 126177	4.4	1
420	Conjugated microporous polymers incorporating Thiazolo[5,4-d]thiazole moieties for Sunlight-Driven hydrogen production from water. <i>Chemical Engineering Journal</i> , 2022 , 446, 137158	14.7	6
419	Solid state chemical transformations through ring-opening polymerization of ferrocene-based conjugated microporous polymers in host-guest complexes with benzoxazine-linked cyclodextrin. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021 ,	5.3	18
418	Designed azo-linked conjugated microporous polymers for CO ₂ uptake and removal applications. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	3
417	Atmospheric Hygroscopic Ionogels with Dynamically Stable Cooling Interfaces Enable a Durable Thermoelectric Performance Enhancement. <i>Advanced Materials</i> , 2021 , 33, e2103937	24	15
416	Multi-stimuli responsive fluorescence chemosensor based on diketopyrrolopyrrole-based conjugated polyfluorene. <i>Polymer</i> , 2021 , 235, 124266	3.9	1
415	Ultrastable porous organic/inorganic polymers based on polyhedral oligomeric silsesquioxane (POSS) hybrids exhibiting high performance for thermal property and energy storage. <i>Microporous and Mesoporous Materials</i> , 2021 , 328, 111505	5.3	15
414	Inter/intramolecular hydrogen bonding mediate miscible blend formation between near-perfect alternating Poly(styrene-alt- hydroxyphenylmaleimide) copolymers and Poly(vinyl pyrrolidone). <i>Polymer</i> , 2021 , 219, 123542	3.9	7
413	A Tröger's Base-Derived Covalent Organic Polymer Containing Carbazole Units as a High-Performance Supercapacitor. <i>Polymers</i> , 2021 , 13,	4.5	9
412	An effective nucleating agent for isotactic polypropylene (iPP): Zinc bis- (nadic anhydride) double-decker silsesquioxanes. <i>Polymer</i> , 2021 , 220, 123574	3.9	6
411	Porous organic/inorganic polymers based on double-decker silsesquioxane for high-performance energy storage. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	13
410	Preparation of a main-chain-type polybenzoxazine-modified melamine sponge via non-solvent-induced phase inversion for oil absorption and very-high-flux separation of water-in-oil emulsions. <i>Separation and Purification Technology</i> , 2021 , 263, 118387	8.3	10
409	Solid-State Chemical Transformations to Enhance Gas Capture in Benzoxazine-Linked Conjugated Microporous Polymers. <i>Macromolecules</i> , 2021 , 54, 5866-5877	5.5	55
408	Kinetics control over the Schiff base formation reaction for fabrication of hierarchical porous carbon materials with tunable morphology for high-performance supercapacitors. <i>Nanotechnology</i> , 2021 , 32,	3.4	2
407	High-Performance Supercapacitor Electrodes Prepared From Dispersions of Tetrabenzonaphthalene-Based Conjugated Microporous Polymers and Carbon Nanotubes. <i>ACS Applied Materials & Interfaces</i> , 2021 ,	9.5	35
406	Intrinsic water-soluble benzoxazine-functionalized cyclodextrin and its formation of inclusion complex with polymer. <i>Polymer</i> , 2021 , 226, 123827	3.9	11

405	Synthesis of multiple heteroatom-doped mesoporous carbon/silica composites for supercapacitors. <i>Chemical Engineering Journal</i> , 2021 , 414, 128796	14.7	29
404	Covalent organic frameworks: Design principles, synthetic strategies, and diverse applications. <i>Giant</i> , 2021 , 6, 100054	5.6	47
403	Ultrastable luminescent hybrid microporous polymers based on polyhedral oligomeric silsesquioxane for CO ₂ uptake and metal ion sensing. <i>Microporous and Mesoporous Materials</i> , 2021 , 311, 110695	5.3	50
402	Secondary Structures of Polypeptide-Based Diblock Copolymers Influence the Microphase Separation of Templates for the Fabrication of Microporous Carbons. <i>Macromolecules</i> , 2021 , 54, 1030-1042	5.5	30
401	Synthesis of poly(styrene)-b-poly(2-vinyl pyridine) four-arm star block copolymers via ATRP and their self-assembly behaviors. <i>Polymer</i> , 2021 , 213, 123212	3.9	4
400	Biomimetic underwater self-perceptive actuating soft system based on highly compliant, morphable and conductive sandwiched thin films. <i>Nano Energy</i> , 2021 , 81, 105617	17.1	10
399	Tumor microenvironment-activated self-charge-generable metallosupramolecular polymer nanocapsules for photoacoustic imaging-guided targeted synergistic photothermal-chemotherapy. <i>Chemical Engineering Journal</i> , 2021 , 405, 126690	14.7	6
398	Multifunctional Polyhedral Oligomeric Silsesquioxane (POSS) Based Hybrid Porous Materials for CO Uptake and Iodine Adsorption. <i>Polymers</i> , 2021 , 13,	4.5	41
397	Pyrene-containing conjugated organic microporous polymers for photocatalytic hydrogen evolution from water. <i>Catalysis Science and Technology</i> , 2021 , 11, 2229-2241	5.5	32
396	Meso/Microporous Carbons from Conjugated Hyper-Crosslinked Polymers Based on Tetraphenylethene for High-Performance CO Capture and Supercapacitor. <i>Molecules</i> , 2021 , 26,	4.8	36
395	Synthesis and characterization of polybenzoxazine/clay hybrid nanocomposites for UV light shielding and anti-corrosion coatings on mild steel. <i>Journal of Polymer Research</i> , 2021 , 28, 1	2.7	7
394	Mesoporous Organic/Inorganic Hybrid Materials with Frank-Kasper Phases Templated by an Unusual Linear Symmetry Diblock Copolymer. <i>Macromolecular Rapid Communications</i> , 2021 , 42, e2100302	4.8	8
393	A Synergy Approach to Enhance Upconversion Luminescence Emission of Rare Earth Nanophosphors with Million-Fold Enhancement Factor. <i>Crystals</i> , 2021 , 11, 1187	2.3	2
392	Sulfur-doped triazine-conjugated microporous polymers for achieving the robust visible-light-driven hydrogen evolution. <i>Chemical Engineering Journal</i> , 2021 , 421, 129825	14.7	26
391	Anthraquinone-Enriched Conjugated Microporous Polymers as Organic Cathode Materials for High-Performance Lithium-Ion Batteries. <i>ACS Applied Energy Materials</i> , 2021 , 4, 14628-14639	6.1	9
390	Bioinspired Nanostructured Superwetting Thin-Films in a Self-supported form Enabled "Miniature Umbrella" for Weather Monitoring and Water Rescue.. <i>Nano-Micro Letters</i> , 2021 , 14, 32	19.5	2
389	Microporous Carbon and Carbon/Metal Composite Materials Derived from Bio-Benzoxazine-Linked Precursor for CO Capture and Energy Storage Applications.. <i>International Journal of Molecular Sciences</i> , 2021 , 23,	6.3	13
388	Crosslinking of polystyrene film by di(4-dibenzoyl peroxide) ether synthesized or formed in situ using visible light-induced photo-peroxidation of 4,4'-oxydibenzil. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020 , 403, 112849	4.7	2

387	Heteroporous bifluorenylidene-based covalent organic frameworks displaying exceptional dye adsorption behavior and high energy storage. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 25148-25155	13	33
386	A highly fluorescent covalent organic framework as a hydrogen chloride sensor: roles of Schiff base bonding and π -stacking. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 9520-9528	7.1	44
385	High-Molecular-Weight PLA-PEO-PLA Triblock Copolymer Templated Large Mesoporous Carbons for Supercapacitors and CO Capture. <i>Polymers</i> , 2020 , 12,	4.5	14
384	Dual-Function Fluorescent Covalent Organic Frameworks: HCl Sensing and Photocatalytic H ₂ Evolution from Water. <i>Advanced Optical Materials</i> , 2020 , 8, 2000641	8.1	61
383	Effects of various Cu(0), Fe(0), and proanthocyanidin reducing agents on Fe(III)-catalysed ATRP for the synthesis of PMMA block copolymers and their self-assembly behaviours. <i>Polymer Chemistry</i> , 2020 , 11, 5147-5155	4.9	7
382	Crown Ether-Functionalized Polybenzoxazine for Metal Ion Adsorption. <i>Macromolecules</i> , 2020 , 53, 2420-2429	3.5	54
381	Main Chain-Type Block Copolymers through Atom Transfer Radical Polymerization from Double-Decker-Shaped Polyhedral Oligomeric Silsesquioxane Hybrids. <i>Polymers</i> , 2020 , 12,	4.5	8
380	Tuning the Wettability and Surface Free Energy of Poly(vinylphenol)Thin Films by Modulating Hydrogen-Bonding Interactions. <i>Polymers</i> , 2020 , 12,	4.5	3
379	Hydrogen bonding induces dual porous types with microporous and mesoporous covalent organic frameworks based on bicarbazole units. <i>Microporous and Mesoporous Materials</i> , 2020 , 300, 110151	5.3	20
378	Bisbenzylidene cyclopentanone and cyclohexanone-functionalized polybenzoxazine nanocomposites: Synthesis, characterization, and use for corrosion protection on mild steel. <i>Materials Today Communications</i> , 2020 , 25, 101418	2.5	20
377	A facile synthetic route and dual function of network luminescent porous polyester and copolyester containing porphyrin moiety for metal ions sensor and dyes adsorption. <i>Microporous and Mesoporous Materials</i> , 2020 , 298, 110063	5.3	42
376	Direct synthesis of nitrogen-doped mesoporous carbons from triazine-functionalized resol for CO uptake and highly efficient removal of dyes. <i>Journal of Hazardous Materials</i> , 2020 , 391, 122163	12.8	57
375	Ultrastable conductive microporous covalent triazine frameworks based on pyrene moieties provide high-performance CO ₂ uptake and supercapacitance. <i>New Journal of Chemistry</i> , 2020 , 44, 8241-8253	3.6	35
374	A Convenient One-Pot and Rapid Microwave-Assisted Synthesis of Biologically Active -Triazolo[3,4-b][1,3,4]Thiadiazine and -Triazolo[3,4-b][1,3,4]Thiadiazole Nanoarchitectonics. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 2917-2929	1.3	3
373	Fabrication of Biodegradable Poly(caprolactone) Spherical-Microcarriers for Arterial Embolization. <i>Journal of Nanoscience and Nanotechnology</i> , 2020 , 20, 5162-5174	1.3	2
372	Competing hydrogen bonding produces mesoporous/macroporous carbons templated by a high-molecular-weight poly(caprolactone- β -ethylene oxide- β -caprolactone) triblock copolymer. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	10
371	A tetraphenylethylene-functionalized benzoxazine and copper(II) acetylacetonate form a high-performance polybenzoxazine. <i>Polymer</i> , 2020 , 201, 122552	3.9	25
370	Exploitation of two-dimensional conjugated covalent organic frameworks based on tetraphenylethylene with bicarbazole and pyrene units and applications in perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11448-11459	13	58

369	Photoresponsive Azobenzene Materials Based on Pyridine-Functionalized Benzoxazines as Surface Relief Gratings. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 791-804	4.3	10
368	Exploring interface confined water flow and evaporation enables solar-thermal-electro integration towards clean water and electricity harvest via asymmetric functionalization strategy. <i>Nano Energy</i> , 2020 , 68, 104385	17.1	51
367	Polyvinylidene Fluoride-Added Ceramic Powder Composite Near-Field Electrospun Piezoelectric Fiber-Based Low-Frequency Dynamic Sensors. <i>ACS Omega</i> , 2020 , 5, 17090-17101	3.9	9
366	Preparation of superhydrophobic and superoleophilic cotton-based material for extremely high flux water-in-oil emulsion separation. <i>Chemical Engineering Journal</i> , 2020 , 402, 126289	14.7	32
365	Enhanced CO ₂ capture in nitrogen-enriched microporous carbons derived from Polybenzoxazines containing azobenzene and carboxylic acid units. <i>Journal of Polymer Research</i> , 2020 , 27, 1	2.7	30
364	Corrosion Resistance of Mild Steel Coated with Phthalimide-Functionalized Polybenzoxazines. <i>Coatings</i> , 2020 , 10, 1114	2.9	14
363	Pyrene-functionalized tetraphenylethylene polybenzoxazine for dispersing single-walled carbon nanotubes and energy storage. <i>Composites Science and Technology</i> , 2020 , 199, 108360	8.6	82
362	Construction Hierarchically Mesoporous/Microporous Materials Based on Block Copolymer and Covalent Organic Framework. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2020 , 112, 180-192	5.3	93
361	Crystallization behaviors of poly(ethylene terephthalate) (PET) with monosilane isobutyl-polyhedral oligomeric silsesquioxanes (POSS). <i>Journal of Materials Science</i> , 2020 , 55, 14642-14643	4.3	20
360	Hypercrosslinked porous organic polymers based on tetraphenylanthraquinone for CO ₂ uptake and high-performance supercapacitor. <i>Polymer</i> , 2020 , 205, 122857	3.9	30
359	Multifunctional Hypercrosslinked Porous Organic Polymers Based on Tetraphenylethene and Triphenylamine Derivatives for High-Performance Dye Adsorption and Supercapacitor. <i>Polymers</i> , 2020 , 12,	4.5	27
358	Highly Thermal Stable Phenolic Resin Based on Double-Decker-Shaped POSS Nanocomposites for Supercapacitors. <i>Polymers</i> , 2020 , 12,	4.5	10
357	Directly synthesized nitrogen-and-oxygen-doped microporous carbons derived from a bio-derived polybenzoxazine exhibiting high-performance supercapacitance and CO ₂ uptake. <i>European Polymer Journal</i> , 2020 , 138, 109954	5.2	35
356	Covalent Organic Frameworks: Dual-Function Fluorescent Covalent Organic Frameworks: HCl Sensing and Photocatalytic H ₂ Evolution from Water(Advanced Optical Materials 18/2020). <i>Advanced Optical Materials</i> , 2020 , 8, 2070074	8.1	1
355	Preparation of efficient photothermal materials from waste coffee grounds for solar evaporation and water purification. <i>Scientific Reports</i> , 2020 , 10, 12769	4.9	9
354	Varying the Hydrogen Bonding Strength in Phenolic/PEO-b-PLA Blends Provides Mesoporous Carbons Having Large Accessible Pores Suitable for Energy Storage. <i>Macromolecular Chemistry and Physics</i> , 2020 , 221, 2000040	2.6	13
353	Nitrogen-Doped microporous carbons derived from azobenzene and nitrile-functionalized polybenzoxazines for CO ₂ uptake. <i>Materials Today Communications</i> , 2020 , 24, 101111	2.5	20
352	Flexible Epoxy Resins Formed by Blending with the Diblock Copolymer PEO--PCL and Using a Hydrogen-Bonding Benzoxazine as the Curing Agent. <i>Polymers</i> , 2019 , 11,	4.5	19

351	Mesoporous Carbons Templated by PEO-PCL Block Copolymers as Electrode Materials for Supercapacitors. <i>Chemistry - A European Journal</i> , 2019 , 25, 10456-10463	4.8	23
350	Hydrogen bonding induces unusual self-assembled structures from mixtures of two miscible disordered diblock copolymers. <i>European Polymer Journal</i> , 2019 , 116, 361-369	5.2	13
349	Outstanding dielectric and thermal properties of main chain-type poly(benzoxazine-co-imide-co-siloxane)-based cross-linked networks. <i>Polymer Chemistry</i> , 2019 , 10, 2387-2396	4.9	67
348	Rationally Programmable Paper-Based Artificial Trees Toward Multipath Solar-Driven Water Extraction from Liquid/Solid Substrates. <i>Solar Rrl</i> , 2019 , 3, 1900004	7.1	18
347	Hydrophilic/Hydrophobic Interphase-Mediated Bubble-like Stretchable Janus Ultrathin Films toward Self-Adaptive and Pneumatic Multifunctional Electronics. <i>ACS Nano</i> , 2019 , 13, 4368-4378	16.7	31
346	Hollow Microspherical and Microtubular [3 + 3] Carbazole-Based Covalent Organic Frameworks and Their Gas and Energy Storage Applications. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 9343-9354	9.5	117
345	A scalable, low-cost and robust photo-thermal fabric with tunable and programmable 2D/3D structures towards environmentally adaptable liquid/solid-medium water extraction. <i>Nano Energy</i> , 2019 , 65, 104002	17.1	63
344	Synthesis of [3 + 3] Eketoenamine-tethered covalent organic frameworks (COFs) for high-performance supercapacitance and CO ₂ storage. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2019 , 103, 199-208	5.3	40
343	Bio-inspired multiple complementary hydrogen bonds enhance the miscibility of conjugated polymers blended with polystyrene derivatives. <i>Journal of Polymer Research</i> , 2019 , 26, 1	2.7	6
342	Synthesis of Poly(-vinylpyrrolidone)-Based Polymer Bottlebrushes by ATRPA and RAFT Polymerization: Toward Drug Delivery Application. <i>Polymers</i> , 2019 , 11,	4.5	10
341	PCLDOX microdroplets: an evaluation of the enhanced intracellular delivery of doxorubicin in metastatic cancer cells via in silico and in vitro approaches. <i>New Journal of Chemistry</i> , 2019 , 43, 12241-12256	3.6	2
340	Surface-Initiated Initiators for Continuous Activator Regeneration (SI ICAR) ATRP of MMA from 2,2,6,6-tetramethylpiperidine-1-oxy (TEMPO) Oxidized Cellulose Nanofibers for the Preparations of PMMA Nanocomposites. <i>Polymers</i> , 2019 , 11,	4.5	15
339	Competing Hydrogen Bonding Interaction Creates Hierarchically Ordered Self-Assembled Structures of PMMA-b-P4VP/PVPh-b-PS Mixtures. <i>Macromolecules</i> , 2019 , 52, 8374-8383	5.5	12
338	Direct Synthesis of Microporous Bicarbazole-Based Covalent Triazine Frameworks for High-Performance Energy Storage and Carbon Dioxide Uptake. <i>ChemPlusChem</i> , 2019 , 84, 1767-1774	2.8	38
337	Highly thermally stable mesoporous Poly(cyanate ester) featuring double-decker-shaped polyhedral silsesquioxane framework. <i>Polymer</i> , 2019 , 185, 121940	3.9	18
336	Using Methacryl-Polyhedral Oligomeric Silsesquioxane as the Thermal Stabilizer and Plasticizer in Poly(vinyl chloride) Nanocomposites. <i>Polymers</i> , 2019 , 11,	4.5	7
335	Preparation of Biodegradable Polycaprolactone Microcarriers with Doxorubicin Hydrochloride by Ultrasonic-assisted Emulsification Technology. <i>Sensors and Materials</i> , 2019 , 31, 301	1.5	3
334	A Hollow Microtubular Triazine- and Benzobisoxazole-Based Covalent Organic Framework Presenting Sponge-Like Shells That Functions as a High-Performance Supercapacitor. <i>Chemistry - an Asian Journal</i> , 2019 , 14, 1429-1435	4.5	45

333	A Universal high accuracy wearable pulse monitoring system via high sensitivity and large linearity graphene pressure sensor. <i>Nano Energy</i> , 2019 , 59, 422-433	17.1	113
332	Ultrastable tetraphenyl-p-phenylenediamine-based covalent organic frameworks as platforms for high-performance electrochemical supercapacitors. <i>Chemical Communications</i> , 2019 , 55, 14890-14893	5.8	52
331	Triazine-functionalized covalent benzoxazine framework for direct synthesis of N-doped microporous carbon. <i>Polymer Chemistry</i> , 2019 , 10, 6010-6020	4.9	40
330	Functional Silica and Carbon Nanocomposites Based on Polybenzoxazines. <i>Macromolecular Chemistry and Physics</i> , 2019 , 220, 1800306	2.6	110
329	Direct synthesis of poly(benzoxazine imide) from an ortho-benzoxazine: its thermal conversion to highly cross-linked polybenzoxazole and blending with poly(4-vinylphenol). <i>Polymer Chemistry</i> , 2018 , 9, 1815-1826	4.9	44
328	Stimuli-responsive supramolecular conjugated polymer with phototunable surface relief grating. <i>Polymer Chemistry</i> , 2018 , 9, 2813-2820	4.9	14
327	Diphenylpyrenylamine-functionalized polypeptides: secondary structures, aggregation-induced emission, and carbon nanotube dispersibility.. <i>RSC Advances</i> , 2018 , 8, 15266-15281	3.7	6
326	Network cracks-based wearable strain sensors for subtle and large strain detection of human motions. <i>Journal of Materials Chemistry C</i> , 2018 , 6, 5140-5147	7.1	114
325	Competitive Hydrogen Bonding Interactions Influence the Secondary and Hierarchical Self-Assembled Structures of Polypeptide-Based Triblock Copolymers. <i>Macromolecules</i> , 2018 , 51, 3017-3029	5.5	16
324	Sequence length distribution affects the lower critical solution temperature, glass transition temperature, and CO ₂ -responsiveness of N-isopropylacrylamide/methacrylic acid copolymers. <i>Polymer</i> , 2018 , 143, 258-270	3.9	12
323	Well-defined benzoxazine/triphenylamine-based hyperbranched polymers with controlled degree of branching.. <i>RSC Advances</i> , 2018 , 8, 13592-13611	3.7	16
322	Bioinspired Hydrogen Bonding in Biomacromolecules 2018 , 219-286		1
321	Phenolic Functionality of Polyhedral Oligomeric Silsesquioxane Nanoparticles Affects Self-Assembly Supramolecular Structures of Block Copolymer Hybrid Complexes. <i>Industrial & Engineering Chemistry Research</i> , 2018 , 57, 2546-2559	3.9	15
320	Hydrogen Bonding in Polymeric Materials 2018 , 1-8		1
319	Hydrogen Bonding in Polymer Blends 2018 , 9-40		
318	Physical Properties of Hydrogen-Bonded Polymers 2018 , 41-60		
317	Surface Properties of Hydrogen-Bonded Polymers 2018 , 61-91		
316	Sequence Distribution Effects in Hydrogen-Bonded Copolymers 2018 , 93-106		

315	Hydrogen Bond-Mediated Self-Assembled Structures of Block Copolymers 2018 , 107-166		
314	Mesoporous Materials Prepared Through Hydrogen Bonding 2018 , 167-218		
313	Hydrogen Bonding in POSS Nanocomposites 2018 , 287-356		
312	Minimizing the Strong Screening Effect of Polyhedral Oligomeric Silsesquioxane Nanoparticles in Hydrogen-Bonded Random Copolymers. <i>Polymers</i> , 2018 , 10,	4.5	10
311	Hydrogen-Bonding Strength Influences Hierarchical Self-Assembled Structures in Unusual Miscible/Immiscible Diblock Copolymer Blends. <i>Macromolecules</i> , 2018 , 51, 6451-6459	5.5	23
310	Strong Hydrogen Bonding with Inorganic Pendant Polyhedral Oligomeric Silsesquioxane Nanoparticles Provides High Glass Transition Temperature Poly(methyl methacrylate) Copolymers. <i>Journal of Nanoscience and Nanotechnology</i> , 2018 , 18, 188-194	1.3	3
309	Using benzoxazine chemistry and bio-based triblock copolymer to prepare functional porous polypeptide capable of efficient dye adsorption. <i>Polymer Chemistry</i> , 2018 , 9, 3684-3693	4.9	15
308	High Performance Humidity Fluctuation Sensor for Wearable Devices via a Bioinspired Atomic-Precise Tunable Graphene-Polymer Heterogeneous Sensing Junction. <i>Chemistry of Materials</i> , 2018 , 30, 4343-4354	9.6	80
307	Functional Polyimide/Polyhedral Oligomeric Silsesquioxane Nanocomposites. <i>Polymers</i> , 2018 , 11,	4.5	79
306	Synthesis of well-defined PCL-b-PnBA-b-PMMA ABC-type triblock copolymers: toward the construction of nanostructures in epoxy thermosets. <i>Polymer Chemistry</i> , 2018 , 9, 5644-5654	4.9	21
305	Ortho-Imide and Allyl Groups Effect on Highly Thermally Stable Polybenzoxazine/Double-Decker-Shaped Polyhedral Silsesquioxane Hybrids. <i>Macromolecules</i> , 2018 , 51, 9602-9612	5.5	56
304	Toward Superhydrophobic/Superoleophilic Materials for Separation of Oil/Water Mixtures and Water-in-Oil Emulsions Using Phase Inversion Methods. <i>Coatings</i> , 2018 , 8, 396	2.9	10
303	A pyrene-functionalized polytyrosine exhibiting aggregation-induced emission and capable of dispersing carbon nanotubes and hydrogen bonding with P4VP. <i>Polymer</i> , 2018 , 156, 10-21	3.9	5
302	Energy Harvesters Incorporating Silk from the Taiwan-Native Spider <i>Nephila pilipes</i> . <i>ACS Applied Energy Materials</i> , 2018 ,	6.1	2
301	Biocompatible Meshes with Appropriate Wettabilities for Underwater Oil Transportation/Collection and Highly Effective Oil/Water Separation. <i>Langmuir</i> , 2018 , 34, 11442-11448	4	6
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282	Energy harvester made of Taiwan local <i>Nephila pilipes</i> spider silk 2017 ,		2
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15	Study of hydrogen-bonding strength in poly(ϵ -caprolactone) blends by DSC and FTIR. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2001 , 39, 1348-1359	2.6	99
14	Syntheses and properties of PI/clay hybrids. <i>Journal of Applied Polymer Science</i> , 2001 , 79, 1902-1910	2.9	65
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