

# Shiao-Wei Kuo

## List of Publications by Citations

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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	POSS related polymer nanocomposites. <i>Progress in Polymer Science</i> , <b>2011</b> , 36, 1649-1696	29.6	793
439	Preparations, Thermal Properties, and Tg Increase Mechanism of Inorganic/Organic Hybrid Polymers Based on Polyhedral Oligomeric Silsesquioxanes. <i>Macromolecules</i> , <b>2002</b> , 35, 8788-8793	5.5	287
438	Low-surface-free-energy materials based on polybenzoxazines. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2248-51	16.4	268
437	Polyimide and polyhedral oligomeric silsesquioxane nanocomposites for low-dielectric applications. <i>Polymer</i> , <b>2005</b> , 46, 173-181	3.9	163
436	Studies of Miscibility Behavior and Hydrogen Bonding in Blends of Poly(vinylphenol) and Poly(vinylpyrrolidone). <i>Macromolecules</i> , <b>2001</b> , 34, 5224-5228	5.5	151
435	Hydrogen-bonding in polymer blends. <i>Journal of Polymer Research</i> , <b>2008</b> , 15, 459-486	2.7	140
434	Low-dielectric, nanoporous polyimide films prepared from PEO/POSS nanoparticles. <i>Polymer</i> , <b>2005</b> , 46, 10056-10065	3.9	126
433	Stable superhydrophobic polybenzoxazine surfaces over a wide pH range. <i>Langmuir</i> , <b>2006</b> , 22, 8289-92	4	123
432	Enhanced thermal properties of PS nanocomposites formed from inorganic POSS-treated montmorillonite. <i>Polymer</i> , <b>2004</b> , 45, 2633-2640	3.9	118
431	Hollow Microspherical and Microtubular [3 + 3] Carbazole-Based Covalent Organic Frameworks and Their Gas and Energy Storage Applications. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 9343-9354	9.5	117
430	Strategic design of triphenylamine- and triphenyltriazine-based two-dimensional covalent organic frameworks for CO <sub>2</sub> uptake and energy storage. <i>Journal of Materials Chemistry A</i> , <b>2018</b> , 6, 19532-19541	13	117
429	Glass transition temperatures of poly(hydroxystyrene-co-vinylpyrrolidone-co-isobutylstyryl polyhedral oligosilsesquioxanes). <i>Polymer</i> , <b>2002</b> , 43, 5117-5124	3.9	116
428	Network cracks-based wearable strain sensors for subtle and large strain detection of human motions. <i>Journal of Materials Chemistry C</i> , <b>2018</b> , 6, 5140-5147	7.1	114
427	Synthesis and characterization of polybenzoxazine networks nanocomposites containing multifunctional polyhedral oligomeric silsesquioxane (POSS). <i>Polymer</i> , <b>2006</b> , 47, 4378-4386	3.9	114
426	A Universal high accuracy wearable pulse monitoring system via high sensitivity and large linearity graphene pressure sensor. <i>Nano Energy</i> , <b>2019</b> , 59, 422-433	17.1	113
425	Preparing Low-Surface-Energy Polymer Materials by Minimizing Intermolecular Hydrogen-Bonding Interactions. <i>Journal of Physical Chemistry C</i> , <b>2009</b> , 113, 20666-20673	3.8	110
424	Functional Silica and Carbon Nanocomposites Based on Polybenzoxazines. <i>Macromolecular Chemistry and Physics</i> , <b>2019</b> , 220, 1800306	2.6	110

423	Miscibility and Hydrogen Bonding in Blends of Poly(vinylphenol-co-methyl methacrylate) with Poly(ethylene oxide). <i>Macromolecules</i> , <b>2001</b> , 34, 4089-4097	5.5	108
422	Thermal and dielectric properties and curing kinetics of nanomaterials formed from epoxy and meta-phenylenediamine. <i>Polymer</i> , <b>2004</b> , 45, 6897-6908	3.9	107
421	Thermal behavior and specific interaction in high glass transition temperature PMMA copolymer. <i>Polymer</i> , <b>2003</b> , 44, 6873-6882	3.9	107
420	Solid State and Solution Self-Assembly of Helical Polypeptides Tethered to Polyhedral Oligomeric Silsesquioxanes. <i>Macromolecules</i> , <b>2009</b> , 42, 1619-1626	5.5	105
419	Syntheses, thermal properties, and phase morphologies of novel benzoxazines functionalized with polyhedral oligomeric silsesquioxane (POSS) nanocomposites. <i>Polymer</i> , <b>2004</b> , 45, 6321-6331	3.9	102
418	Influence of PMMA-Chain-End Tethered Polyhedral Oligomeric Silsesquioxanes on the Miscibility and Specific Interaction with Phenolic Blends. <i>Macromolecules</i> , <b>2006</b> , 39, 300-308	5.5	101
417	Study of hydrogen-bonding strength in poly( $\epsilon$ -caprolactone) blends by DSC and FTIR. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2001</b> , 39, 1348-1359	2.6	99
416	Synthesis and characterizations of a vinyl-terminated benzoxazine monomer and its blending with polyhedral oligomeric silsesquioxane (POSS). <i>Polymer</i> , <b>2005</b> , 46, 2320-2330	3.9	97
415	Construction Hierarchically Mesoporous/Microporous Materials Based on Block Copolymer and Covalent Organic Framework. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2020</b> , 112, 180-192	5.3	93
414	Phase Behavior and Hydrogen Bonding in Ternary Polymer Blends of Phenolic Resin/Poly(ethylene oxide)/Poly( $\epsilon$ -caprolactone). <i>Macromolecules</i> , <b>2002</b> , 35, 278-285	5.5	90
413	Effect of Hydrogen Bonding Strength on the Microstructure and Crystallization Behavior of Crystalline Polymer Blends. <i>Macromolecules</i> , <b>2003</b> , 36, 6653-6661	5.5	89
412	Thermal and Surface Properties of Phenolic Nanocomposites Containing Octaphenol Polyhedral Oligomeric Silsesquioxane. <i>Macromolecular Rapid Communications</i> , <b>2006</b> , 27, 537-541	4.8	84
411	On Modulating the Phase Behavior of Block Copolymer/Homopolymer Blends via Hydrogen Bonding. <i>Macromolecules</i> , <b>2010</b> , 43, 1083-1092	5.5	83
410	Tetraphenylthiophene-Functionalized Poly(N-isopropylacrylamide): Probing LCST with Aggregation-Induced Emission. <i>Macromolecules</i> , <b>2011</b> , 44, 6546-6556	5.5	82
409	Pyrene-functionalized tetraphenylethylene polybenzoxazine for dispersing single-walled carbon nanotubes and energy storage. <i>Composites Science and Technology</i> , <b>2020</b> , 199, 108360	8.6	82
408	Synthesis and characterization of polyhedral oligomeric silsesquioxane (POSS) with multifunctional benzoxazine groups through click chemistry. <i>Polymer</i> , <b>2010</b> , 51, 3948-3955	3.9	81
407	Fabrication of Superhydrophobic and Superoleophilic Polystyrene Surfaces by a Facile One-Step Method. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 2262-2266	4.8	81
406	Thermal properties and hydrogen bonding in polymer blend of polybenzoxazine/poly(N-vinyl-2-pyrrolidone). <i>Polymer</i> , <b>2003</b> , 44, 2187-2191	3.9	81

405	High Performance Humidity Fluctuation Sensor for Wearable Devices via a Bioinspired Atomic-Precise Tunable Graphene-Polymer Heterogeneous Sensing Junction. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 4343-4354	9.6	80
404	The study of hydrogen bonding and miscibility in poly(vinylpyridines) with phenolic resin. <i>Polymer</i> , <b>2002</b> , 43, 3943-3949	3.9	80
403	Unexpected fluorescence from maleimide-containing polyhedral oligomeric silsesquioxanes: nanoparticle and sequence distribution analyses of polystyrene-based alternating copolymers. <i>Polymer Chemistry</i> , <b>2016</b> , 7, 135-145	4.9	79
402	Synthesis and characterization of amorphous octakis-functionalized polyhedral oligomeric silsesquioxanes for polymer nanocomposites. <i>Polymer</i> , <b>2008</b> , 49, 4017-4024	3.9	79
401	Functional Polyimide/Polyhedral Oligomeric Silsesquioxane Nanocomposites. <i>Polymers</i> , <b>2018</b> , 11,	4.5	79
400	Complementary Multiple Hydrogen-Bonding Interactions Increase the Glass Transition Temperatures to PMMA Copolymer Mixtures. <i>Macromolecules</i> , <b>2009</b> , 42, 4701-4711	5.5	76
399	Investigating the Effect of Miscibility on the Ionic Conductivity of LiClO <sub>4</sub> /PEO/PCL Ternary Blends. <i>Macromolecules</i> , <b>2004</b> , 37, 8424-8430	5.5	76
398	Syntheses and the Study of Strongly Hydrogen-Bonded Poly(vinylphenol-b-vinylpyridine) Diblock Copolymer through Anionic Polymerization. <i>Macromolecules</i> , <b>2006</b> , 39, 9388-9395	5.5	75
397	Bifunctional polybenzoxazine nanocomposites containing photo-crosslinkable coumarin units and pyrene units capable of dispersing single-walled carbon nanotubes. <i>Polymer Chemistry</i> , <b>2015</b> , 6, 2423-2439	4.9	74
396	Synthesis of the Organic/Inorganic Hybrid Star Polymers and Their Inclusion Complexes with Cyclodextrins. <i>Macromolecules</i> , <b>2005</b> , 38, 3099-3107	5.5	69
395	From Microphase Separation to Self-Organized Mesoporous Phenolic Resin through Competitive Hydrogen Bonding with Double-Crystalline Diblock Copolymers of Poly(ethylene oxide-b-ε-caprolactone). <i>Macromolecules</i> , <b>2011</b> , 44, 9295-9309	5.5	68
394	Outstanding dielectric and thermal properties of main chain-type poly(benzoxazine-co-imide-co-siloxane)-based cross-linked networks. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 2387-2396	4.9	67
393	Complementary Multiple Hydrogen Bonding Interactions Induce the Self-Assembly of Supramolecular Structures from Heteronucleobase-Functionalized Benzoxazine and Polyhedral Oligomeric Silsesquioxane Nanoparticles. <i>Macromolecules</i> , <b>2012</b> , 45, 9020-9028	5.5	66
392	Using Solvent Immersion to Fabricate Variably Patterned Poly(methyl methacrylate) Brushes on Silicon Surfaces. <i>Macromolecules</i> , <b>2008</b> , 41, 8729-8736	5.5	66
391	Miscibility, specific interactions, and self-assembly behavior of phenolic/polyhedral oligomeric silsesquioxane hybrids. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 1127-1136	2.6	66
390	Syntheses and characterizations of in situ blended metallocene polyethylene/clay nanocomposites. <i>Polymer</i> , <b>2003</b> , 44, 7709-7719	3.9	66
389	High-Performance Polybenzoxazine Nanocomposites Containing Multifunctional POSS Cores Presenting Vinyl-Terminated Benzoxazine Groups. <i>Macromolecular Chemistry and Physics</i> , <b>2010</b> , 211, 2301-2311	2.6	65
388	Self-Assembly through Competitive Interactions of Miscible Diblock Copolymer/Homopolymer Blends: Poly(vinylphenol-b-methyl methacrylate)/Poly(vinylpyrrolidone) Blend. <i>Macromolecules</i> , <b>2008</b> , 41, 1401-1410	5.5	65

387	Hydrogen bonding interactions and miscibility between phenolic resin and octa(acetoxystyryl) polyhedral oligomeric silsesquioxane (AS-POSS) nanocomposites. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2006</b> , 44, 673-686	2.6	65
386	Syntheses and properties of PI/clay hybrids. <i>Journal of Applied Polymer Science</i> , <b>2001</b> , 79, 1902-1910	2.9	65
385	Synthesis and self-assembly of helical polypeptide-random coil amphiphilic diblock copolymer. <i>Journal of Polymer Science Part A</i> , <b>2008</b> , 46, 3108-3119	2.5	64
384	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> , <b>2019</b> , 65, 104002	17.1	63
383	Polybenzoxazine/Polyhedral Oligomeric Silsesquioxane (POSS) Nanocomposites. <i>Polymers</i> , <b>2016</b> , 8,	4.5	62
382	Dual-Function Fluorescent Covalent Organic Frameworks: HCl Sensing and Photocatalytic H <sub>2</sub> Evolution from Water. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000641	8.1	61
381	Highly Thermally Stable, Transparent, and Flexible Polybenzoxazine Nanocomposites by Combination of Double-Decker-Shaped Polyhedral Silsesquioxanes and Polydimethylsiloxane. <i>Macromolecules</i> , <b>2017</b> , 50, 5739-5747	5.5	60
380	Hydrogen bond-mediated self-assembly and supramolecular structures of diblock copolymer mixtures. <i>Polymer International</i> , <b>2009</b> , 58, 455-464	3.3	60
379	Polybenzoxazine as a mold-release agent for nanoimprint lithography. <i>Langmuir</i> , <b>2007</b> , 23, 5868-71	4	60
378	Influence of octakis-functionalized polyhedral oligomeric silsesquioxanes on the physical properties of their polymer nanocomposites. <i>Polymer</i> , <b>2009</b> , 50, 4876-4887	3.9	58
377	Sequence Distribution and Polydispersity Index Affect the Hydrogen-Bonding Strength of Poly(vinylphenol-co-methyl methacrylate) Copolymers. <i>Macromolecules</i> , <b>2005</b> , 38, 6435-6444	5.5	58
376	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> , <b>2020</b> , 8, 11448-11459	13	58
375	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> , <b>2020</b> , 391, 122163	12.8	57
374	Heteronucleobase-functionalized benzoxazine: synthesis, thermal properties, and self-assembled structure formed through multiple hydrogen bonding interactions. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 1546	4.9	57
373	Hydrogen-Bonding Interactions Mediate the Phase Behavior of an AB/C Block Copolymer/Homopolymer Blend Comprising Poly(Methyl Methacrylate-b-vinylpyrrolidone) and Poly(Vinylphenol). <i>Macromolecules</i> , <b>2006</b> , 39, 5458-5465	5.5	56
372	Ortho-Imide and Allyl Groups Effect on Highly Thermally Stable Polybenzoxazine/Double-Decker-Shaped Polyhedral Silsesquioxane Hybrids. <i>Macromolecules</i> , <b>2018</b> , 51, 9602-9612	5.5	56
371	Complicated phase behavior and ionic conductivities of PVP-co-PMMA-based polymer electrolytes. <i>Polymer</i> , <b>2007</b> , 48, 1329-1342	3.9	55
370	Solid-State Chemical Transformations to Enhance Gas Capture in Benzoxazine-Linked Conjugated Microporous Polymers. <i>Macromolecules</i> , <b>2021</b> , 54, 5866-5877	5.5	55

- 369 Crown Ether-Functionalized Polybenzoxazine for Metal Ion Adsorption. *Macromolecules*, **2020**, 53, 2420-2429 3.5 54
- 368 Thermal Properties, Interactions, Morphologies, and Conductivity Behavior in Blends of Poly(vinylpyridine)s and Zinc Perchlorate. *Macromolecules*, **2004**, 37, 192-200 5.5 54
- 367 Miscibility and hydrogen bonding in blends of poly(vinyl acetate) with phenolic resin. *Polymer*, **2002**, 43, 2479-2487 3.9 54
- 366 Directly synthesized nitrogen-doped microporous carbons from polybenzoxazine resins for carbon dioxide capture. *Polymer Chemistry*, **2017**, 8, 5481-5489 4.9 53
- 365 Hierarchical self-assembly structures of POSS-containing polypeptide block copolymers synthesized using a combination of ATRP, ROP and click chemistry. *Polymer Chemistry*, **2012**, 3, 882 4.9 53
- 364 Effect of an Organically Modified Nanoclay on Low-Surface-Energy Materials of Polybenzoxazine. *Macromolecular Rapid Communications*, **2008**, 29, 1216-1220 4.8 53
- 363 Supramolecular Micellization of Diblock Copolymer Mixtures Mediated by Hydrogen Bonding for the Observation of Separated Coil and Chain Aggregation in Common Solvents. *Macromolecular Rapid Communications*, **2008**, 29, 229-233 4.8 52
- 362 Ultrastable tetraphenyl-p-phenylenediamine-based covalent organic frameworks as platforms for high-performance electrochemical supercapacitors. *Chemical Communications*, **2019**, 55, 14890-14893 5.8 52
- 361 Significant piezoelectric and energy harvesting enhancement of poly(vinylidene fluoride)/polypeptide fiber composites prepared through near-field electrospinning. *Journal of Materials Chemistry A*, **2015**, 3, 6835-6843 13 51
- 360 Self-Assembly Structures through Competitive Interactions of Crystalline/Amorphous Diblock Copolymer/Homopolymer Blends: Poly( $\epsilon$ -caprolactone-*b*-4-vinyl pyridine)/Poly(vinyl phenol). *Macromolecules*, **2009**, 42, 3580-3590 5.5 51
- 359 Star polymers via atom transfer radical polymerization from adamantane-based cores. *Polymer*, **2004**, 45, 2261-2269 3.9 51
- 358 Exploring interface confined water flow and evaporation enables solar-thermal-electro integration towards clean water and electricity harvest via asymmetric functionalization strategy. *Nano Energy*, **2020**, 68, 104385 17.1 51
- 357 Asymmetric Organic/Inorganic Hybrid Giant Molecule: Cyanobiphenyl Monosubstituted Polyhedral Oligomeric Silsesquioxane Nanoparticles for Vertical Alignment of Liquid Crystals. *Journal of Physical Chemistry C*, **2014**, 118, 6300-6306 3.8 50
- 356 Ultrastable luminescent hybrid microporous polymers based on polyhedral oligomeric silsesquioxane for CO<sub>2</sub> uptake and metal ion sensing. *Microporous and Mesoporous Materials*, **2021**, 311, 110695 5.3 50
- 355 Glass transition temperature enhancement of PMMA through copolymerization with PMAAM and PTCM mediated by hydrogen bonding. *Polymer*, **2010**, 51, 883-889 3.9 49
- 354 Miscibility, Specific Interactions, and Spherulite Growth Rates of Binary Poly(acetoxystyrene)/Poly(ethylene oxide) Blends. *Macromolecules*, **2004**, 37, 4164-4173 5.5 49
- 353 Star Block Copolymers Through Nitroxide-Mediated Radical Polymerization From Polyhedral Oligomeric Silsesquioxane (POSS) Core. *Macromolecular Chemistry and Physics*, **2010**, 211, 1339-1347 2.6 48
- 352 Enhanced thermal properties of PS nanocomposites formed from montmorillonite treated with a surfactant/cyclodextrin inclusion complex. *Polymer*, **2005**, 46, 741-750 3.9 48



351	Ultrafast Formation of Free-Standing 2D Carbon Nanotube Thin Films through Capillary Force Driving Compression on an Air/Water Interface. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 7125-7133	9.6	47
350	Hierarchical self-assembly and secondary structures of linear polypeptides graft onto POSS in the side chain through click chemistry. <i>Polymer Chemistry</i> , <b>2012</b> , 3, 162-171	4.9	47
349	Thermal and mechanical properties of microcellular thermoplastic SBS/PS/SBR blend: effect of crosslinking. <i>Polymer</i> , <b>2011</b> , 52, 752-759	3.9	47
348	Covalent organic frameworks: Design principles, synthetic strategies, and diverse applications. <i>Giant</i> , <b>2021</b> , 6, 100054	5.6	47
347	Liquid Lenses and Driving Mechanisms: A Review. <i>Journal of Adhesion Science and Technology</i> , <b>2012</b> , 26, 1773-1788	2	46
346	Formation of Honeycomb Structures and Superhydrophobic Surfaces by Casting a Block Copolymer from Selective Solvent Mixtures. <i>Macromolecular Rapid Communications</i> , <b>2007</b> , 28, 271-275	4.8	46
345	Effects of Copolymer Composition and Free Volume Change on the Miscibility of Poly(styrene-co-vinylphenol) with Poly(E-caprolactone). <i>Macromolecules</i> , <b>2001</b> , 34, 7737-7743	5.5	46
344	Self-assembly supramolecular structure through complementary multiple hydrogen bonding of heteronucleobase-multifunctionalized polyhedral oligomeric silsesquioxane (POSS) complexes. <i>Journal of Materials Chemistry</i> , <b>2012</b> , 22, 2982		45
343	Using Pencil Drawing To Pattern Robust Superhydrophobic Surfaces To Control the Mobility of Water Droplets. <i>Journal of Physical Chemistry C</i> , <b>2011</b> , 115, 16495-16500	3.8	45
342	The Study of Miscibility and Hydrogen Bonding in Blends of Phenolics with Poly(E-caprolactone). <i>Macromolecular Chemistry and Physics</i> , <b>2001</b> , 202, 3112-3119	2.6	45
341	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> , <b>2019</b> , 14, 1429-1435	4.5	45
340	A highly fluorescent covalent organic framework as a hydrogen chloride sensor: roles of Schiff base bonding and $\pi$ -stacking. <i>Journal of Materials Chemistry C</i> , <b>2020</b> , 8, 9520-9528	7.1	44
339	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> , <b>2018</b> , 9, 1815-1826	4.9	44
338	Control of peptide secondary structure on star shape polypeptides tethered to polyhedral oligomeric silsesquioxane nanoparticle through click chemistry. <i>Polymer</i> , <b>2010</b> , 51, 5695-5704	3.9	44
337	An Unusual, Completely Miscible, Ternary Hydrogen-Bonded Polymer Blend of Phenoxy, Phenolic, and PCL. <i>Macromolecules</i> , <b>2005</b> , 38, 4729-4736	5.5	44
336	Annealing effects on the optical and morphological properties of ZnO nanorods on AZO substrate by using aqueous solution method at low temperature. <i>Nanoscale Research Letters</i> , <b>2014</b> , 9, 632	5	43
335	Construction of Chiral Propeller Architectures from Achiral Molecules. <i>Advanced Materials</i> , <b>2006</b> , 18, 3229-3232	24	43
334	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> , <b>2020</b> , 298, 110063	5.3	42

333	Thermal- and photo-induced phase-transition behaviors of a tapered dendritic liquid crystal with photochromic azobenzene mesogens and a bicyclic chiral center. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 5689-95	4.8	42
332	Self-assembly and secondary structures of linear polypeptides tethered to polyhedral oligomeric silsesquioxane nanoparticles through click chemistry. <i>Journal of Polymer Science Part A</i> , <b>2011</b> , 49, 2127-2137	5.7	42
331	Significant glass-transition-temperature increase through hydrogen-bonded copolymers. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2002</b> , 40, 2313-2323	2.6	41
330	Multifunctional Polyhedral Oligomeric Silsesquioxane (POSS) Based Hybrid Porous Materials for CO Uptake and Iodine Adsorption. <i>Polymers</i> , <b>2021</b> , 13,	4.5	41
329	Synthesis of [3 + 3] Eketoenamine-tethered covalent organic frameworks (COFs) for high-performance supercapacitance and CO <sub>2</sub> storage. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , <b>2019</b> , 103, 199-208	5.3	40
328	Polybenzoxazine/single-walled carbon nanotube nanocomposites stabilized through noncovalent bonding interactions. <i>Polymer</i> , <b>2014</b> , 55, 2044-2050	3.9	40
327	Syntheses, Specific Interactions, and pH-Sensitive Micellization Behavior of Poly[vinylphenol-b-2-(dimethylamino)ethyl methacrylate] Diblock Copolymers. <i>Macromolecules</i> , <b>2008</b> , 41, 8865-8876	5.5	40
326	Miscibility and hydrogen-bonding behavior in organic/inorganic polymer hybrids containing octaphenol polyhedral oligomeric silsesquioxane. <i>Journal of Physical Chemistry B</i> , <b>2008</b> , 112, 10821-9	3.4	40
325	Miscibility Behavior and Interaction Mechanism of Polymer Electrolytes Comprising LiClO <sub>4</sub> and MPEG-block-PCL Copolymers. <i>Macromolecules</i> , <b>2005</b> , 38, 6640-6647	5.5	40
324	Triazine-functionalized covalent benzoxazine framework for direct synthesis of N-doped microporous carbon. <i>Polymer Chemistry</i> , <b>2019</b> , 10, 6010-6020	4.9	40
323	Functional Supramolecular Polypeptides Involving $\pi$ -Stacking and Strong Hydrogen-Bonding Interactions: A Conformation Study toward Carbon Nanotubes (CNTs) Dispersion. <i>Macromolecules</i> , <b>2016</b> , 49, 5374-5385	5.5	39
322	Multifunctional polybenzoxazine nanocomposites containing photoresponsive azobenzene units, catalytic carboxylic acid groups, and pyrene units capable of dispersing carbon nanotubes. <i>RSC Advances</i> , <b>2015</b> , 5, 45201-45212	3.7	39
321	Synthesis, thermal properties, and specific interactions of high T <sub>g</sub> increase in poly(2,6-dimethyl-1,4-phenylene oxide)-block-polystyrene copolymers. <i>Polymer</i> , <b>2005</b> , 46, 9348-9361	3.9	39
320	Direct Synthesis of Microporous Bicarbazole-Based Covalent Triazine Frameworks for High-Performance Energy Storage and Carbon Dioxide Uptake. <i>ChemPlusChem</i> , <b>2019</b> , 84, 1767-1774	2.8	38
319	Crystallization kinetics and morphology of binary phenolic/poly( $\epsilon$ -caprolactone) blends. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , <b>2004</b> , 42, 117-128	2.6	38
318	Near-field electrospinning enhances the energy harvesting of hollow PVDF piezoelectric fibers. <i>RSC Advances</i> , <b>2015</b> , 5, 85073-85081	3.7	37
317	Hydrogen Bond-Mediated Self-Assembly of Polyhedral Oligomeric Silsesquioxane-Based Supramolecules. <i>Journal of Physical Chemistry C</i> , <b>2010</b> , 114, 12855-12862	3.8	36
316	Supramolecular self-assembly through inclusion complex formation between poly(ethylene oxide-b-N-isopropylacrylamide) block copolymer and $\beta$ -cyclodextrin. <i>Polymer</i> , <b>2009</b> , 50, 2958-2966	3.9	36



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44	Energy harvester made of Taiwan local <i>Nephila pilipes</i> spider silk <b>2017</b> ,		2
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36	A Synergy Approach to Enhance Upconversion Luminescence Emission of Rare Earth Nanophosphors with Million-Fold Enhancement Factor. <i>Crystals</i> , <b>2021</b> , 11, 1187	2.3	2
35	Syntheses and properties of PI/clay hybrids <b>2001</b> , 79, 1902		2
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28	Mediated Surface Properties of Polybenzoxazines <b>2017</b> , 205-219		1

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