

Jong Hak Kim

List of Publications by Year in descending order

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papers

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36691

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#	ARTICLE	IF	CITATIONS
1	In-situ formation of asymmetric thin-film, mixed-matrix membranes with ZIF-8 in dual-functional imidazole-based comb copolymer for high-performance CO ₂ capture. <i>Journal of Membrane Science</i> , 2022, 642, 119913.	4.1	15
2	Adhesive, free-standing, partially fluorinated comb copolymer electrolyte films for solid flexible supercapacitors. <i>Chemical Engineering Journal</i> , 2022, 429, 132240.	6.6	13
3	Modification strategies of membranes with enhanced Anti-biofouling properties for wastewater Treatment: A review. <i>Bioresource Technology</i> , 2022, 345, 126501.	4.8	22
4	Highly CO ₂ -Selective Mixed-Matrix membranes incorporated with Ag Nanoparticle-Impregnated MIL-101 Metal-Organic frameworks. <i>Chemical Engineering Journal</i> , 2022, 435, 134803.	6.6	8
5	Submicron-thick, mixed-matrix membranes with metal-organic frameworks for CO ₂ separation: MIL-140C vs. UiO-67. <i>Journal of Membrane Science</i> , 2022, 659, 120788.	4.1	6
6	Direct growth of highly organized, 2D ultra-thin nano-accordion Ni-MOF@NiS ₂ @C core-shell for high performance energy storage device. <i>Chemical Engineering Journal</i> , 2021, 406, 126810.	6.6	45
7	Solid-state facilitated transport membrane for CO ₂ /N ₂ separation based on PHMEP-co-PAA comb-like copolymer: Experimental and molecular simulation study. <i>Journal of Membrane Science</i> , 2021, 620, 118939.	4.1	9
8	Amphiphilic micelle-forming PDMS-PEGBEM comb copolymer self-assembly to tailor the interlamellar nanospaces of defective poly(ethylene oxide) membranes. <i>Separation and Purification Technology</i> , 2021, 257, 117892.	3.9	8
9	Synthesis, Characterization, and CO ₂ /N ₂ Separation Performance of POEM-g-PAcAm Comb Copolymer Membranes. <i>Polymers</i> , 2021, 13, 177.	2.0	3
10	Substrate-independent three-dimensional polymer nanosheets induced by solution casting. <i>Chemical Science</i> , 2021, 12, 11748-11755.	3.7	1
11	Comparison of microstructure characterization methods by two-point correlation functions and reconstruction of 3D microstructures using 2D TEM images with high degree of phase clustering. <i>Materials Characterization</i> , 2021, 172, 110876.	1.9	11
12	Reconstruction of Three-Dimensional Microstructures of Two-Phase Membrane and Phase Property Estimation Through Combination of Experiment and Simulation. <i>Multiscale Science and Engineering</i> , 2021, 3, 109-118.	0.9	0
13	Dual-functional interconnected pebble-like structures in highly crystalline poly(ethylene oxide) membranes for CO ₂ separation. <i>Separation and Purification Technology</i> , 2021, 263, 118363.	3.9	6
14	One-dimensional SnO ₂ nanotube solid-state electrolyte for fast electron transport and high light harvesting in solar energy conversion. <i>Solid State Ionics</i> , 2021, 363, 115584.	1.3	4
15	Mille-feuille-like heterostructures through in situ cross-linking approach for high power density supercapacitor. <i>Chemical Engineering Journal</i> , 2021, 412, 128750.	6.6	6
16	Ultrathin, Highly Permeable Graphene Oxide/Zeoilic Imidazole Framework Polymeric Mixed-Matrix Composite Membranes: Engineering the CO ₂ -Philic Pathway. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 11903-11915.	3.2	11
17	Recent Development in Vanadium Pentoxide and Carbon Hybrid Active Materials for Energy Storage Devices. <i>Nanomaterials</i> , 2021, 11, 3213.	1.9	22
18	High-performance solid-state bendable supercapacitors based on PEGBEM-g-PAEMA graft copolymer electrolyte. <i>Chemical Engineering Journal</i> , 2020, 384, 123308.	6.6	24

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19	Strategies for the deposition of LaFeO ₃ photocathodes: improving the photocurrent with a polymer template. <i>Sustainable Energy and Fuels</i> , 2020, 4, 884-894.	2.5	15
20	Mixed matrix membranes consisting of ZIF-8 in rubbery amphiphilic copolymer: Simultaneous improvement in permeability and selectivity. <i>Chemical Engineering Research and Design</i> , 2020, 153, 175-186.	2.7	11
21	Partially coated TiO ₂ on Al ₂ O ₃ membrane for high water flux and photodegradation by novel filtration strategy in photocatalytic membrane reactors. <i>Chemical Engineering Research and Design</i> , 2020, 163, 138-148.	2.7	20
22	Phase Stiffness Estimation of Two-phase Pebax/PBE Membranes Using Reconstructed 3D Microstructures. <i>Multiscale Science and Engineering</i> , 2020, 2, 143-152.	0.9	1
23	In-situ growth of ZIF-8 in amphiphilic graft copolymer for mixed matrix membranes with simultaneous improvement of permeability and selectivity. <i>Separation and Purification Technology</i> , 2020, 253, 117514.	3.9	12
24	Harnessing SnO ₂ nanotube light scattering cluster to improve energy conversion efficiency assisted by high reflectance. <i>Materials Chemistry and Physics</i> , 2020, 254, 123538.	2.0	11
25	Bimodal-porous hollow MgO sphere embedded mixed matrix membranes for CO ₂ capture. <i>Separation and Purification Technology</i> , 2020, 250, 117065.	3.9	22
26	Removal of heavy metals by polysaccharide: a review. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1770-1790.	0.6	20
27	Imidazole-functionalized hydrophilic rubbery comb copolymers: Microphase-separation and good gas separation properties. <i>Separation and Purification Technology</i> , 2020, 242, 116780.	3.9	12
28	Highly Interconnected Nanorods and Nanosheets Based on a Hierarchically Layered Metal-Organic Framework for a Flexible, High-Performance Energy Storage Device. <i>ACS Sustainable Chemistry and Engineering</i> , 2020, 8, 3773-3785.	3.2	35
29	Preparation and characterization of bioinert amphiphilic P(VDF-co-CTFE)-g-POEM graft copolymer. <i>Polymer-Plastics Technology and Materials</i> , 2020, 59, 1077-1087.	0.6	2
30	Facile graft copolymer template synthesis of mesoporous polymeric metal-organic frameworks to produce mesoporous TiO ₂ : Promising platforms for photovoltaic and photocatalytic applications. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 84, 384-392.	2.9	17
31	Dissolution-precipitation approach for long-term stable low-friction composites consisting of mesoporous TiO ₂ nanospheres and carbon black in Poly(Vinylidene fluoride) matrix. <i>Tribology International</i> , 2020, 145, 106187.	3.0	6
32	Use of non-selective, high-molecular-weight poly(ethylene oxide) membrane for CO ₂ separation by incorporation of comb copolymer. <i>Journal of Membrane Science</i> , 2020, 605, 118092.	4.1	16
33	Ultra-selective ferric ion-complexed membranes composed of water-based zwitterionic comb copolymers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20847-20853.	5.2	2
34	P(VDF-co-CTFE)-g-P2VP amphiphilic graft copolymers: Synthesis, structure, and permeation properties. <i>Polymers for Advanced Technologies</i> , 2019, 30, 2707-2720.	1.6	2
35	Bicontinuously crosslinked polymer electrolyte membranes with high ion conductivity and mechanical strength. <i>Journal of Membrane Science</i> , 2019, 589, 117250.	4.1	46
36	Order-to-Disorder Transition of Lamella-Forming PS- <i>b</i> -P2VP Films Confined between the Preferential Surface and Neutral Substrate. <i>Macromolecules</i> , 2019, 52, 8672-8681.	2.2	9

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37	Surface Carbon Shell-Functionalized ZrO ₂ as Nanofiller in Polymer Gel Electrolyte-Based Dye-Sensitized Solar Cells. <i>Nanomaterials</i> , 2019, 9, 1418.	1.9	18
38	Solid-state facilitated transport of carbon monoxide through mixed matrix membranes. <i>Journal of Membrane Science</i> , 2019, 592, 117373.	4.1	13
39	Synthesis, structure and gas separation properties of ethanol-soluble, amphiphilic POM-PBHP comb copolymers. <i>Polymer</i> , 2019, 180, 121700.	1.8	5
40	Instability of Polystyrene Film and Thermal Behaviors Mediated by Unfavorable Silicon Oxide Interlayer. <i>Macromolecules</i> , 2019, 52, 7524-7530.	2.2	9
41	High-performance ultrathin mixed-matrix membranes based on an adhesive PGMA-co-POEM comb-like copolymer for CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2019, 7, 14723-14731.	5.2	43
42	Diethylene Glycol-Assisted Organized TiO ₂ Nanostructures for Photocatalytic Wastewater Treatment Ceramic Membranes. <i>Water (Switzerland)</i> , 2019, 11, 750.	1.2	10
43	Critical role of elemental copper for enhancing conversion kinetics of sulphur cathodes in rechargeable magnesium batteries. <i>Applied Surface Science</i> , 2019, 484, 933-940.	3.1	22
44	Nanoporous Structures from PS- <i>b</i> -PMMA- <i>b</i> -P <i>t</i> BA Triblock Copolymer and Selective Modification for Ultrafiltration Membranes. <i>ACS Applied Polymer Materials</i> , 2019, 1, 584-592.	2.0	5
45	Cr-doped lithium titanate nanocrystals as Mg ion insertion materials for Mg batteries. <i>Journal of Materials Chemistry A</i> , 2019, 7, 25619-25627.	5.2	16
46	High tribology performance of Poly(vinylidene fluoride) composites based on three-dimensional mesoporous magnesium oxide nanosheets. <i>Composites Part B: Engineering</i> , 2019, 163, 224-235.	5.9	20
47	Hybrid membranes based on ionic-liquid-functionalized poly(vinyl benzene chloride) beads for CO ₂ capture. <i>Journal of Membrane Science</i> , 2019, 572, 365-373.	4.1	25
48	Semi-interpenetrating polymer network membranes based on a self-crosslinkable comb copolymer for CO ₂ capture. <i>Chemical Engineering Journal</i> , 2019, 360, 1468-1476.	6.6	40
49	Orientation of an Amphiphilic Copolymer to a Lamellar Structure on a Hydrophobic Surface and Implications for CO ₂ Capture Membranes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 1143-1147.	7.2	19
50	Orientation of an Amphiphilic Copolymer to a Lamellar Structure on a Hydrophobic Surface and Implications for CO ₂ Capture Membranes. <i>Angewandte Chemie</i> , 2019, 131, 1155-1159.	1.6	9
51	Core-shell nanostructured heteropoly acid-functionalized metal-organic frameworks: Bifunctional heterogeneous catalyst for efficient biodiesel production. <i>Applied Catalysis B: Environmental</i> , 2019, 242, 51-59.	10.8	115
52	Ile-Lys-Val-Glu (IKVAV) peptide for neuronal tissue engineering. <i>Polymers for Advanced Technologies</i> , 2019, 30, 4-12.	1.6	35
53	Highly-permeable Mixed Matrix Membranes Based on SBS-g-POEM Copolymer, ZIF-8 and Ionic Liquid. <i>Membrane Journal</i> , 2019, 29, 44-50.	0.2	3
54	Polymer Electrolyte Membranes Consisting of PVA-g-POEM Graft Copolymers for Supercapacitors. <i>Membrane Journal</i> , 2019, 29, 323-328.	0.2	0

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55	Facile preparation of $Cu(I)$ impregnated MIL-101(Cu) and its use in a mixed matrix membrane for olefin/paraffin separation. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46545.	1.3	13
56	Strategic combination of Grignard reagents and allyl-functionalized ionic liquids as an advanced electrolyte for rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2018, 6, 3126-3133.	5.2	18
57	Covalent organic framework-derived microporous carbon nanoparticles coated with conducting polypyrrole as an electrochemical capacitor. <i>Applied Surface Science</i> , 2018, 439, 833-838.	3.1	53
58	Synthesis of PVA-g-POEM graft copolymers and their use in highly permeable thin film composite membranes. <i>Chemical Engineering Journal</i> , 2018, 346, 739-747.	6.6	30
59	Pt-decorated SnO_2 nanotubes prepared directly on a conducting substrate and their application in solar energy conversion using a solid polymer electrolyte. <i>Applied Surface Science</i> , 2018, 450, 9-20.	3.1	6
60	Polymethacrylate-comb-copolymer electrolyte for solid-state energy storage devices. <i>Materials and Design</i> , 2018, 149, 25-33.	3.3	9
61	Boosting Visible Light Absorption of Metal-Oxide-Based Phototransistors via Heterogeneous $InGaZnO$ and $CH_3NH_3PbI_3$ Films. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 12854-12861.	4.0	45
62	Dual-phase all-polymeric membranes with graft copolymer filler for CO_2 capture. <i>Chemical Engineering Journal</i> , 2018, 334, 939-947.	6.6	42
63	Effect of polymer template on structure and membrane fouling of TiO_2/Al_2O_3 composite membranes for wastewater treatment. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 57, 55-63.	2.9	20
64	Transition-metal-based layered double hydroxides tailored for energy conversion and storage. <i>Journal of Materials Chemistry A</i> , 2018, 6, 12-29.	5.2	170
65	Ultrafiltration membranes based on hybrids of an amphiphilic graft copolymer and titanium isopropoxide. <i>Journal of Applied Polymer Science</i> , 2018, 135, 45932.	1.3	5
66	Facilitated olefin transport through membranes consisting of partially polarized silver nanoparticles and PEMA-g-PPG graft copolymer. <i>Journal of Membrane Science</i> , 2018, 548, 149-156.	4.1	19
67	Efficient hematite photoanodes prepared by hydrochloric acid-treated solutions with amphiphilic graft copolymer. <i>Journal of Power Sources</i> , 2018, 404, 149-158.	4.0	9
68	Improvement in the CO_2 Permeation Properties of High-Molecular-Weight Poly(ethylene Terephthalate) / Overlock 10 T	2.2	24
69	Mixed-matrix membranes containing nanocage-like hollow ZIF-8 polyhedral nanocrystals in graft copolymers for carbon dioxide/methane separation. <i>Separation and Purification Technology</i> , 2018, 207, 427-434.	3.9	24
70	Highly catalytic and reflective dual-phase nickel sulfide electrodes for solar energy conversion. <i>Applied Surface Science</i> , 2018, 457, 1151-1157.	3.1	21
71	Synthesis of magnesium chloride complex electrolyte: Galvanic couple assisted catalytic dissolution of magnesium in ethereal solution. <i>Journal of Power Sources</i> , 2018, 398, 120-127.	4.0	6
72	Novel semi-alicyclic polyimide membranes: Synthesis, characterization, and gas separation properties. <i>Polymer</i> , 2018, 151, 325-333.	1.8	35

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73	Multifunctional Amine-Containing PVA-g-POEM Graft Copolymer Membranes for CO ₂ Capture. <i>Macromolecules</i> , 2018, 51, 5646-5655.	2.2	11
74	Block copolymer membranes with catecholic bolaamphiphile assemblies. <i>Journal of Membrane Science</i> , 2018, 566, 35-43.	4.1	3
75	Well-organized, mesoporous nanocrystalline TiO ₂ on alumina membranes with hierarchical architecture: Antifouling and photocatalytic activities. <i>Catalysis Today</i> , 2017, 282, 2-12.	2.2	34
76	Facilitated transport hollow fiber membrane prepared by t-Bu CoSalen for O ₂ /N ₂ separation. <i>Microchemical Journal</i> , 2017, 132, 36-42.	2.3	12
77	Solid polymer electrolyte dye-sensitized solar cells with organized mesoporous TiO ₂ interfacial layer templated by poly(vinyl alcohol)-poly(methyl methacrylate) comb copolymer. <i>Solid State Ionics</i> , 2017, 300, 195-204.	1.3	16
78	Resistive Switching Properties through Iodine Migrations of a Hybrid Perovskite Insulating Layer. <i>Advanced Materials Interfaces</i> , 2017, 4, 1601035.	1.9	75
79	Hybrid membranes of nanostructural copolymer and ionic liquid for carbon dioxide capture. <i>Chemical Engineering Journal</i> , 2017, 322, 254-262.	6.6	33
80	High-performance thin PVC-POEM/ZIF-8 mixed matrix membranes on alumina supports for CO ₂ /CH ₄ separation. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 53, 127-133.	2.9	21
81	1-Butyl-1-methylpyrrolidinium chloride as an effective corrosion inhibitor for stainless steel current collectors in magnesium chloride complex electrolytes. <i>Journal of Power Sources</i> , 2017, 355, 90-97.	4.0	35
82	Structural, thermal, and tribological properties of poly(vinylidene fluoride)/nano-TiO ₂ composites prepared by dry-mixing and hot-press technique. <i>Macromolecular Research</i> , 2017, 25, 365-373.	1.0	10
83	A facile graft polymerization approach to N-doped TiO ₂ heterostructures with enhanced visible-light photocatalytic activity. <i>Materials Letters</i> , 2017, 202, 66-69.	1.3	21
84	Effect of Interfacial Blocking Layer Morphology on the Solar Peroxydisulfate Production of WO ₃ Nanoflakes. <i>Electrochimica Acta</i> , 2017, 244, 184-191.	2.6	12
85	Insight into Charge Separation in WO ₃ /BiVO ₄ Heterojunction for Solar Water Splitting. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 19780-19790.	4.0	142
86	Failure criterion of silver nanowire electrodes on a polymer substrate for highly flexible devices. <i>Scientific Reports</i> , 2017, 7, 45903.	1.6	21
87	Mixed matrix membranes based on dual-functional MgO nanosheets for olefin/paraffin separation. <i>Journal of Membrane Science</i> , 2017, 533, 48-56.	4.1	39
88	Multifunctional nanocomposite hollow fiber membranes by solvent transfer induced phase separation. <i>Nature Communications</i> , 2017, 8, 1234.	5.8	94
89	Direct Organization of Morphology-Controllable Mesoporous SnO ₂ Using Amphiphilic Graft Copolymer for Gas-Sensing Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 37246-37253.	4.0	24
90	Preparation of TiO ₂ /Ag binary nanocomposite as high-activity visible-light-driven photocatalyst via graft polymerization. <i>Chemical Physics Letters</i> , 2017, 685, 119-126.	1.2	15

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91	Nanoscale Zirconium-Abundant Surface Layers on Lithium- and Manganese-Rich Layered Oxides for High-Rate Lithium-Ion Batteries. <i>Nano Letters</i> , 2017, 17, 7869-7877.	4.5	40
92	High-Performance Self-Cross-Linked PGP-POEM Comb Copolymer Membranes for CO ₂ Capture. <i>Macromolecules</i> , 2017, 50, 8938-8947.	2.2	28
93	SnO ₂ hollow nanotubes: a novel and efficient support matrix for enzyme immobilization. <i>Scientific Reports</i> , 2017, 7, 15333.	1.6	61
94	Achieving high capacity and rate capability in layered lithium transition metal oxide cathodes for lithium-ion batteries. <i>Journal of Power Sources</i> , 2017, 360, 575-584.	4.0	20
95	Direct growth of NiO nanosheets on mesoporous TiN film for energy storage devices. <i>Applied Surface Science</i> , 2017, 420, 849-857.	3.1	17
96	Room-temperature, one-pot process for CO ₂ capture membranes based on PEMA-g-PPG graft copolymer. <i>Chemical Engineering Journal</i> , 2017, 313, 1615-1622.	6.6	19
97	MgCO ₃ -crystal-containing mixed matrix membranes with enhanced CO ₂ permselectivity. <i>Chemical Engineering Journal</i> , 2017, 307, 503-512.	6.6	22
98	Synthesis of organized mesoporous metal oxide films templated by amphiphilic PVA-PMMA comb copolymer. <i>RSC Advances</i> , 2016, 6, 67849-67857.	1.7	8
99	PEDOT-PSS embedded comb copolymer membranes with improved CO ₂ capture. <i>Journal of Membrane Science</i> , 2016, 518, 21-30.	4.1	20
100	Giant Gyroid and Templates from High-Molecular-Weight Block Copolymer Self-assembly. <i>Scientific Reports</i> , 2016, 6, 36326.	1.6	35
101	Maximized performance of dye solar cells on plastic: a combined theoretical and experimental optimization approach. <i>Energy and Environmental Science</i> , 2016, 9, 2061-2071.	15.6	19
102	A conditioning-free magnesium chloride complex electrolyte for rechargeable magnesium batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7160-7164.	5.2	78
103	Synthesis and application of PEGBEM-g-POEM graft copolymer electrolytes for dye-sensitized solar cells. <i>Solid State Ionics</i> , 2016, 290, 24-30.	1.3	15
104	Well-Organized Mesoporous TiO ₂ Photoanode by Using Amphiphilic Graft Copolymer for Efficient Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2016, 120, 9619-9627.	1.5	43
105	An amphiphilic block-graft copolymer electrolyte: synthesis, nanostructure, and use in solid-state flexible supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 7848-7858.	5.2	27
106	Well-organized mesoporous TiO ₂ film with high porosity made using alcohol-assisted EC-g-PMMA graft copolymer. <i>Macromolecular Research</i> , 2016, 24, 573-576.	1.0	4
107	Energetic Al/Fe ₂ O ₃ /PVDF composites for high energy release: Importance of polymer binder and interface. <i>Macromolecular Research</i> , 2016, 24, 909-914.	1.0	11
108	Selective Ion Transporting Polymerized Ionic Liquid Membrane Separator for Enhancing Cycle Stability and Durability in Secondary Zinc-Air Battery Systems. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 26298-26308.	4.0	69

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109	Critical Role of pH Evolution of Electrolyte in the Reaction Mechanism for Rechargeable Zinc Batteries. <i>ChemSusChem</i> , 2016, 9, 2948-2956.	3.6	332
110	Scalable and bendable organized mesoporous TiN films templated by using a dual-functional amphiphilic graft copolymer for solid supercapacitors. <i>Journal of Materials Chemistry A</i> , 2016, 4, 12497-12503.	5.2	25
111	Bimodal porous TiO ₂ structures templated by graft copolymer/homopolymer blend for dye-sensitized solar cells with polymer electrolyte. <i>Journal of Power Sources</i> , 2016, 336, 286-297.	4.0	17
112	Hierarchical growth of TiO ₂ nanosheets on anodic ZnO nanowires for high efficiency dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 325, 365-374.	4.0	19
113	Structural color-tunable mesoporous bragg stack layers based on graft copolymer self-assembly for high-efficiency solid-state dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 324, 637-645.	4.0	13
114	CO ₂ -philic PBEM-g-POEM comb copolymer membranes: Synthesis, characterization and CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2016, 502, 191-201.	4.1	46
115	Amphiphilic Graft Copolymer Nanospheres: From Colloidal Self-Assembly to CO ₂ Capture Membranes. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 9454-9461.	4.0	11
116	Spontaneously self-assembled dual-layer mixed matrix membranes containing mass-produced mesoporous TiO ₂ for CO ₂ capture. <i>Journal of Membrane Science</i> , 2016, 508, 62-72.	4.1	14
117	Preparation of porous carbons based on polyvinylidene fluoride for CO ₂ adsorption: A combined experimental and computational study. <i>Microporous and Mesoporous Materials</i> , 2016, 219, 59-65.	2.2	28
118	Amphiphilic block-graft copolymer templates for organized mesoporous TiO ₂ films in dye-sensitized solar cells. <i>Journal of Power Sources</i> , 2016, 301, 18-28.	4.0	19
119	P25/PVC-g-POEM Mixed Matrix Membranes with Simultaneously Improved Permeability and Selectivity for CO ₂ /N ₂ Separation. <i>Porrime</i> , 2016, 40, 238.	0.0	0
120	High-performance Polymer Membranes with Multi-functional Amphiphilic Micelles for CO ₂ Capture. <i>ChemSusChem</i> , 2015, 8, 3731-3731.	3.6	1
121	Interface-designed Membranes with Shape-controlled Patterns for High-performance Polymer Electrolyte Membrane Fuel Cells. <i>Scientific Reports</i> , 2015, 5, 16394.	1.6	50
122	Patternable PEDOT nanofilms with grid electrodes for transparent electrochromic devices targeting thermal camouflage. <i>Nano Convergence</i> , 2015, 2, 19.	6.3	28
123	High-performance Polymer Membranes with Multi-functional Amphiphilic Micelles for CO ₂ Capture. <i>ChemSusChem</i> , 2015, 8, 3783-3792.	3.6	37
124	Synthesis of cross-linked amides and esters as thin film composite membrane materials yields permeable and selective material for water vapor/gas separation. <i>Journal of Materials Chemistry A</i> , 2015, 3, 7888-7899.	5.2	44
125	Enhanced Performance of Mixed Matrix Membranes through a Graft Copolymer-Directed Interface and Interaction Tuning Approach. <i>ChemSusChem</i> , 2015, 8, 650-658.	3.6	70
126	Hollow ZIF-8 nanoparticles improve the permeability of mixed matrix membranes for CO ₂ /CH ₄ gas separation. <i>Journal of Membrane Science</i> , 2015, 480, 11-19.	4.1	146

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127	Antibacterial behaviour of quaternized poly(vinyl chloride)-g-poly(4-vinyl pyridine) graft copolymers. Chinese Journal of Polymer Science (English Edition), 2015, 33, 265-274.	2.0	15
128	A highly selective PEGBEM-g-POEM comb copolymer membrane for CO ₂ /N ₂ separation. Journal of Membrane Science, 2015, 492, 452-460.	4.1	46
129	A triple-layered, hierarchical 1D core-shell nanostructure with a plasmonic Ag octahedral core for use in solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 17644-17651.	5.2	15
130	Facile, Nonhydrothermal, Mass-Produced Synthesis of Mesoporous TiO ₂ Spheres for Dye-Sensitized Solar Cells. Electrochimica Acta, 2015, 173, 139-147.	2.6	21
131	Plasmonic, interior-decorated, one-dimensional hierarchical nanotubes for high-efficiency, solid-state, dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 10439-10447.	5.2	13
132	Completely Transparent Conducting Oxide-Free and Flexible Dye-Sensitized Solar Cells Fabricated on Plastic Substrates. ACS Nano, 2015, 9, 3760-3771.	7.3	100
133	Well-Organized Meso-Macroporous TiO ₂ /SiO ₂ Film Derived from Amphiphilic Rubbery Comb Copolymer. ACS Applied Materials & Interfaces, 2015, 7, 7767-7775.	4.0	37
134	Worm-like mesoporous TiO ₂ thin films templated using comb copolymer for dye-sensitized solar cells with polymer electrolyte. Journal of Power Sources, 2015, 298, 14-22.	4.0	17
135	Mixed matrix membranes consisting of SEBS block copolymers and size-controlled ZIF-8 nanoparticles for CO ₂ capture. Journal of Membrane Science, 2015, 495, 479-488.	4.1	96
136	Synergistic strategies for the preparation of highly efficient dye-sensitized solar cells on plastic substrates: combination of chemical and physical sintering. RSC Advances, 2015, 5, 76795-76803.	1.7	7
137	A shape- and morphology-controlled metal organic framework template for high-efficiency solid-state dye-sensitized solar cells. Journal of Materials Chemistry A, 2015, 3, 21599-21608.	5.2	45
138	High performance electrocatalyst consisting of CoS nanoparticles on an organized mesoporous SnO ₂ film: its use as a counter electrode for Pt-free, dye-sensitized solar cells. Nanoscale, 2015, 7, 670-678.	2.8	55
139	Metal-free organic-dye-based flexible dye-sensitized solar textiles with panchromatic effect. Dyes and Pigments, 2015, 113, 378-389.	2.0	17
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