

Lu Shao

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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.

156
papers

9,286
citations

60
h-index

91
g-index

164
ext. papers

11,316
ext. citations

8.6
avg, IF

6.91
L-index

#	Paper	IF	Citations
156	Polymeric membranes for the hydrogen economy: Contemporary approaches and prospects for the future. <i>Journal of Membrane Science</i> , 2009 , 327, 18-31	9.6	270
155	Advanced micro/nanocapsules for self-healing smart anticorrosion coatings. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 469-480	13	268
154	Positively charged nanofiltration membranes via economically mussel-substance-simulated co-deposition for textile wastewater treatment. <i>Chemical Engineering Journal</i> , 2016 , 303, 555-564	14.7	237
153	Mussel-Inspired Hybrid Coatings that Transform Membrane Hydrophobicity into High Hydrophilicity and Underwater Superoleophobicity for Oil-in-Water Emulsion Separation. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 9534-45	9.5	219
152	Exploring the synergetic effects of graphene oxide (GO) and polyvinylpyrrolidone (PVP) on poly(vinylidene fluoride) (PVDF) ultrafiltration membrane performance. <i>Applied Surface Science</i> , 2014 , 316, 537-548	6.7	208
151	Magnetoresistive polyaniline-magnetite nanocomposites with negative dielectrical properties. <i>Polymer</i> , 2012 , 53, 801-809	3.9	205
150	Recent progress in the design of advanced PEO-containing membranes for CO ₂ removal. <i>Progress in Polymer Science</i> , 2013 , 38, 1089-1120	29.6	202
149	A facile strategy to enhance PVDF ultrafiltration membrane performance via self-polymerized polydopamine followed by hydrolysis of ammonium fluorotitanate. <i>Journal of Membrane Science</i> , 2014 , 461, 10-21	9.6	198
148	Towards sustainable ultrafast molecular-separation membranes: From conventional polymers to emerging materials. <i>Progress in Materials Science</i> , 2018 , 92, 258-283	42.2	184
147	Mussel-Inspired Surface Engineering for Water-Remediation Materials. <i>Matter</i> , 2019 , 1, 115-155	12.7	183
146	An overview of the engineered graphene nanostructures and nanocomposites. <i>RSC Advances</i> , 2013 , 3, 22790	3.7	167
145	Simply realizing water diode Janus membranes for multifunctional smart applications. <i>Materials Horizons</i> , 2017 , 4, 701-708	14.4	151
144	Mussel-inspired tailoring of membrane wettability for harsh water treatment. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 2650-2657	13	150
143	Tuning the performance of polypyrrole-based solvent-resistant composite nanofiltration membranes by optimizing polymerization conditions and incorporating graphene oxide. <i>Journal of Membrane Science</i> , 2014 , 452, 82-89	9.6	148
142	Pushing CO ₂ -philic membrane performance to the limit by designing semi-interpenetrating networks (SIPN) for sustainable CO ₂ separations. <i>Energy and Environmental Science</i> , 2017 , 10, 1339-1344	35.4	140
141	Nanocomposite organic solvent nanofiltration membranes by a highly-efficient mussel-inspired co-deposition strategy. <i>Journal of Membrane Science</i> , 2017 , 526, 32-42	9.6	136
140	Robust natural nanocomposites realizing unprecedented ultrafast precise molecular separations. <i>Materials Today</i> , 2020 , 36, 40-47	21.8	136

139	Graphene oxide cross-linked chitosan nanocomposite membrane. <i>Applied Surface Science</i> , 2013 , 280, 989-992	6.7	131
138	Segregation-induced in situ hydrophilic modification of poly (vinylidene fluoride) ultrafiltration membranes via sticky poly (ethylene glycol) blending. <i>Journal of Membrane Science</i> , 2018 , 563, 22-30	9.6	131
137	Newly developed nanofiltration (NF) composite membranes by interfacial polymerization for Safranin O and Aniline blue removal. <i>Journal of Membrane Science</i> , 2013 , 430, 96-105	9.6	129
136	Highly regenerable alkali-resistant magnetic nanoparticles inspired by mussels for rapid selective dye removal offer high-efficiency environmental remediation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19960-19968	13	124
135	Cactus-Inspired Bimetallic Metal-Organic Framework-Derived 1D-2D Hierarchical Co/N-Decorated Carbon Architecture toward Enhanced Electromagnetic Wave Absorbing Performance. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 13564-13573	9.5	123
134	Comparison of diamino cross-linking in different polyimide solutions and membranes by precipitation observation and gas transport. <i>Journal of Membrane Science</i> , 2008 , 312, 174-185	9.6	118
133	Building Nanoporous Metal-Organic Frameworks "Armor" on Fibers for High-Performance Composite Materials. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 5590-5599	9.5	116
132	A novel mussel-inspired strategy toward superhydrophobic surfaces for self-driven crude oil spill cleanup. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 12171-12178	13	116
131	Designing multifunctional 3D magnetic foam for effective insoluble oil separation and rapid selective dye removal for use in wastewater remediation. <i>Journal of Materials Chemistry A</i> , 2017 , 5, 7316-7325	13	113
130	Interface manipulation of CO ₂ -philic composite membranes containing designed UiO-66 derivatives towards highly efficient CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 15064-15073	13	113
129	Casting solvent effects on morphologies, gas transport properties of a novel 6FDA/PMDA/TMMDA copolyimide membrane and its derived carbon membranes. <i>Journal of Membrane Science</i> , 2004 , 244, 77-87	9.6	96
128	Nanofiltration membrane achieving dual resistance to fouling and chlorine for green separation of antibiotics. <i>Journal of Membrane Science</i> , 2015 , 493, 156-166	9.6	93
127	Molecularly soldered covalent organic frameworks for ultrafast precision sieving. <i>Science Advances</i> , 2021 , 7,	14.3	93
126	Biomimetic nanoparticle-engineered superwetable membranes for efficient oil/water separation. <i>Journal of Membrane Science</i> , 2021 , 618, 118525	9.6	91
125	Transport properties of cross-linked polyimide membranes induced by different generations of diaminobutane (DAB) dendrimers. <i>Journal of Membrane Science</i> , 2004 , 238, 153-163	9.6	89
124	Recent Advances in Polymeric Solvent-Resistant Nanofiltration Membranes. <i>Advances in Polymer Technology</i> , 2014 , 33, n/a-n/a	1.9	88
123	High flux polyethylene glycol based nanofiltration membranes for water environmental remediation. <i>Journal of Membrane Science</i> , 2015 , 476, 95-104	9.6	87
122	Ultra-facile aqueous synthesis of nanoporous zeolitic imidazolate framework membranes for hydrogen purification and olefin/paraffin separation. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 10898-10904	13	86

121	Surface Modification of Polyimide Membranes by Diamines for H ₂ and CO ₂ Separation. <i>Macromolecular Rapid Communications</i> , 2006 , 27, 998-1003	4.8	86
120	Construction of oil-unidirectional membrane for integrated oil collection with lossless transportation and oil-in-water emulsion purification. <i>Journal of Membrane Science</i> , 2018 , 549, 67-74	9.6	86
119	Realizing Mussel-Inspired Polydopamine Selective Layer with Strong Solvent Resistance in Nanofiltration toward Sustainable Reclamation. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 5520-5528	8.2	83
118	A novel strategy for surface modification of polyimide membranes by vapor-phase ethylenediamine (EDA) for hydrogen purification. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 8716-8722	6.7	80
117	Novel mussel-inspired zwitterionic hydrophilic polymer to boost membrane water-treatment performance. <i>Journal of Membrane Science</i> , 2019 , 582, 1-8	9.6	79
116	In situ fabrication of cross-linked PEO/silica reverse-selective membranes for hydrogen purification. <i>International Journal of Hydrogen Energy</i> , 2009 , 34, 6492-6504	6.7	77
115	Bio-inspired loose nanofiltration membranes with optimized separation performance for antibiotics removals. <i>Journal of Membrane Science</i> , 2018 , 554, 385-394	9.6	76
114	The evolution of physicochemical and transport properties of 6FDA-durene toward carbon membranes; from polymer, intermediate to carbon. <i>Microporous and Mesoporous Materials</i> , 2005 , 84, 59-68	5.3	76
113	Tungsten Trioxide/Zinc Tungstate Bilayers: Electrochromic Behaviors, Energy Storage and Electron Transfer. <i>Electrochimica Acta</i> , 2014 , 132, 58-66	6.7	75
112	In Situ Confined Bimetallic Metal-Organic Framework Derived Nanostructure within 3D Interconnected Bamboo-like Carbon Nanotube Networks for Boosting Electromagnetic Wave Absorbing Performances. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35999-36009	9.5	74
111	Recent progress in carbon-based nanoarchitectures for advanced supercapacitors. <i>Advanced Composites and Hybrid Materials</i> , 2018 , 1, 32-55	8.7	73
110	Biomimetic Silicification on Membrane Surface for Highly Efficient Treatments of Both Oil-in-Water Emulsion and Protein Wastewater. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 29982-29991	9.5	73
109	Interface-confined surface engineering constructing water-unidirectional Janus membrane. <i>Journal of Membrane Science</i> , 2019 , 576, 9-16	9.6	69
108	Influence of ultrasonic treatment on the characteristics of epoxy resin and the interfacial property of its carbon fiber composites. <i>Composites Science and Technology</i> , 2002 , 62, 2153-2159	8.6	68
107	Supramolecular chemistry assisted construction of ultra-stable solvent-resistant membranes for angstrom-sized molecular separation. <i>Chemical Engineering Journal</i> , 2019 , 371, 535-543	14.7	67
106	Ultra-thin trinity coating enabled by competitive reactions for unparalleled molecular separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 5078-5085	13	67
105	In-situ interfacial formation of TiO ₂ /polypyrrole selective layer for improving the separation efficiency towards molecular separation. <i>Journal of Membrane Science</i> , 2017 , 536, 19-27	9.6	66
104	Biomimetic hydrophilization engineering on membrane surface for highly-efficient water purification. <i>Journal of Membrane Science</i> , 2019 , 589, 117223	9.6	66

103	Building Additional Passageways in Polyamide Membranes with Hydrostable Metal Organic Frameworks To Recycle and Remove Organic Solutes from Various Solvents. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 38877-38886	9.5	65
102	In-situ modification of carbon fibers with hyperbranched polyglycerol via anionic ring-opening polymerization for use in high-performance composites. <i>Carbon</i> , 2017 , 123, 548-557	10.4	65
101	A novel monoamine modification strategy toward high-performance organic solvent nanofiltration (OSN) membrane for sustainable molecular separations. <i>Journal of Membrane Science</i> , 2016 , 497, 77-89	9.6	63
100	A de novo sacrificial-MOF strategy to construct enhanced-flux nanofiltration membranes for efficient dye removal. <i>Chemical Engineering Science</i> , 2020 , 225, 115845	4.4	63
99	The effects of 1,3-cyclohexanebis(methylamine) modification on gas transport and plasticization resistance of polyimide membranes. <i>Journal of Membrane Science</i> , 2005 , 267, 78-89	9.6	61
98	Tailoring nanofiltration membrane performance for highly-efficient antibiotics removal by mussel-inspired modification. <i>Journal of Membrane Science</i> , 2016 , 499, 326-334	9.6	60
97	Polyetheramine-polyhedral oligomeric silsesquioxane organic-inorganic hybrid membranes for CO ₂ /H ₂ and CO ₂ /N ₂ separation. <i>Journal of Membrane Science</i> , 2011 , 385-386, 40-48	9.6	60
96	Hyper-Cross-Linked Additives that Impede Aging and Enhance Permeability in Thin Polyacetylene Films for Organic Solvent Nanofiltration. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 14401-14408	9.5	59
95	Bioadhesion-inspired surface engineering constructing robust, hydrophilic membranes for highly-efficient wastewater remediation. <i>Journal of Membrane Science</i> , 2019 , 591, 117353	9.6	58
94	CO ₂ -selective mixed matrix membranes (MMMs) containing graphene oxide (GO) for enhancing sustainable CO ₂ capture. <i>International Journal of Greenhouse Gas Control</i> , 2017 , 56, 22-29	4.2	58
93	Ultrathin 2D Metal-Organic Framework Nanosheets In situ Interpenetrated by Functional CNTs for Hybrid Energy Storage Device. <i>Nano-Micro Letters</i> , 2020 , 12, 46	19.5	57
92	Effects of Thermal Treatments and Dendrimers Chemical Structures on the Properties of Highly Surface Cross-Linked Polyimide Films. <i>Industrial & Engineering Chemistry Research</i> , 2005 , 44, 3059-3067	3.9	56
91	Bio-inspired Ni-polyphenol hydrophilic network to achieve unconventional high-flux nanofiltration membranes for environmental remediation. <i>Chemical Communications</i> , 2017 , 53, 6128-6131	5.8	55
90	A bio-inspired CO ₂ -philic network membrane for enhanced sustainable gas separation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 13758-13766	13	55
89	Penetrating chains mimicking plant root branching to build mechanically robust, ultra-stable CO ₂ -philic membranes for superior carbon capture. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 16704-16713	13	53
88	Silica Nanohybrid Membranes with High CO ₂ Affinity for Green Hydrogen Purification. <i>Advanced Energy Materials</i> , 2011 , 1, 634-642	21.8	52
87	Bimetallic Metal-Organic Framework-Derived Pomegranate-like Nanoclusters Coupled with CoNi-Doped Graphene for Strong Wideband Microwave Absorption. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 17870-17880	9.5	49
86	Constructing Scalable Superhydrophobic Membranes for Ultrafast Water-Oil Separation. <i>ACS Nano</i> , 2021 , 15, 3500-3508	16.7	49

85	Intermediate thermal manipulation of polymers of intrinsic microporous (PIMs) membranes for gas separations. <i>AIChE Journal</i> , 2020 , 66, e16543	3.6	48
84	Nanoporous framework Reservoir Maximizing low-molecular-weight enhancer impregnation into CO ₂ -philic membranes for highly-efficient CO ₂ capture. <i>Journal of Membrane Science</i> , 2019 , 570-571, 278-285	9.6	48
83	Transformable masks for colloidal nanosynthesis. <i>Nature Communications</i> , 2018 , 9, 563	17.4	47
82	Universal unilateral electro-spinning/spraying strategy to construct water-unidirectional Janus membranes with well-tuned hierarchical micro/nanostructures. <i>Chemical Communications</i> , 2020 , 56, 478-481	5.8	47
81	Unravelling intercalation-regulated nanoconfinement for durably ultrafast sieving graphene oxide membranes. <i>Journal of Membrane Science</i> , 2021 , 619, 118791	9.6	47
80	Codepositing Mussel-Inspired Nanohybrids onto One-Dimensional Fibers under Green Conditions for Significantly Enhanced Surface/Interfacial Properties. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 4412-4420	8.3	45
79	Boosting the charge storage of layered double hydroxides derived from carbon nanotube-tailored metal organic frameworks. <i>Electrochimica Acta</i> , 2019 , 301, 117-125	6.7	44
78	Polyphenol-Sensitized Atomic Layer Deposition for Membrane Interface Hydrophilization. <i>Advanced Functional Materials</i> , 2020 , 30, 1910062	15.6	44
77	Construction of superhydrophilic hierarchical polyacrylonitrile nanofiber membranes by in situ asymmetry engineering for unprecedentedly ultrafast oil/water emulsion separation. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 16933-16942	13	39
76	Developing cross-linked poly(ethylene oxide) membrane by the novel reaction system for H ₂ purification. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 5122-5132	6.7	39
75	Using of carbon nanotubes and nano carbon black for electrical conductivity adjustment of pressure-sensitive adhesives. <i>International Journal of Adhesion and Adhesives</i> , 2012 , 36, 20-24	3.4	39
74	Rational design of poly(ethylene oxide) based membranes for sustainable CO ₂ capture. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 24233-24252	13	39
73	A novel gel/sol strategy to synthesize TiO ₂ nanorod combining reduced graphene oxide composites. <i>Materials Letters</i> , 2013 , 107, 307-310	3.3	38
72	Green activation of sustainable resources to synthesize nitrogen-doped oxygen-rich porous carbon nanosheets towards high-performance supercapacitor. <i>Chemical Engineering Journal</i> , 2021 , 412, 128673	14.7	38
71	Multifunctional Core-Shell Zwitterionic Nanoparticles To Build Robust, Stable Antifouling Membranes via Magnetic-Controlled Surface Segregation. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 35501-35508	9.5	37
70	Multi-walled carbon nanotubes (MWCNTs) functionalized with amino groups by reacting with supercritical ammonia fluids. <i>Materials Chemistry and Physics</i> , 2009 , 116, 323-326	4.4	36
69	Mussel-/diatom-inspired silicified membrane for high-efficiency water remediation. <i>Journal of Membrane Science</i> , 2020 , 597, 117753	9.6	36
68	Ultra-robust superwetting hierarchical membranes constructed by coordination complex networks for oily water treatment. <i>Journal of Membrane Science</i> , 2021 , 627, 119234	9.6	36

67	A vapor-phase surface modification method to enhance different types of hollow fiber membranes for industrial scale hydrogen separation. <i>International Journal of Hydrogen Energy</i> , 2010 , 35, 8970-8982	6.7	35
66	Fluorescent electrospun polyvinyl alcohol/ nanocomposite fibers. <i>Journal of Composite Materials</i> , 2013 , 47, 3175-3185	2.7	34
65	Aqueous One-Step Modulation for Synthesizing Monodispersed ZIF-8 Nanocrystals for Mixed-Matrix Membrane. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 11296-11305	9.5	34
64	Designing Multifunctional Coatings for Cost-Effectively Sustainable Water Remediation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 1881-1890	8.3	32
63	Biodegradable self-adhesive tapes with starch carrier. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 44, 195-199	3.4	30
62	Porous Janus materials with unique asymmetries and functionality. <i>Materials Today</i> , 2021 , 51, 626-626	21.8	29
61	Toluene diisocyanate based phase-selective supramolecular oil gelator for effective removal of oil spills from polluted water. <i>Chemosphere</i> , 2016 , 153, 485-93	8.4	28
60	Mesoporous dendritic fibrous nanosilica (DFNS) stimulating mix matrix membranes towards superior CO ₂ capture. <i>Journal of Membrane Science</i> , 2019 , 586, 185-191	9.6	27
59	Effects of amino functionalized polyhedral oligomeric silsesquioxanes on cross-linked poly(ethylene oxide) membranes for highly-efficient CO ₂ separation. <i>Chemical Engineering Research and Design</i> , 2017 , 122, 280-288	5.5	26
58	Multi-hydrophilic functional network enables porous membranes excellent anti-fouling performance for highly efficient water remediation. <i>Journal of Membrane Science</i> , 2020 , 608, 118191	9.6	26
57	PEG-imbedded PEO membrane developed by a novel highly efficient strategy toward superior gas transport performance. <i>Macromolecular Rapid Communications</i> , 2015 , 36, 490-5	4.8	26
56	A novel approach to graft acrylates onto commercial silicones for release film fabrications by two-step emulsion synthesis. <i>European Polymer Journal</i> , 2008 , 44, 2728-2736	5.2	26
55	Boosting visible light photocatalytic activity via impregnation-induced RhB-sensitized MIL-125(Ti). <i>Chemical Engineering Research and Design</i> , 2019 , 143, 90-99	5.5	25
54	Constructing expanded ion transport channels in flexible MXene film for pseudocapacitive energy storage. <i>Applied Surface Science</i> , 2020 , 511, 145627	6.7	25
53	One-pot in situ synthesized TiO ₂ /layered double hydroxides (LDHs) composites toward environmental remediation. <i>Materials Letters</i> , 2014 , 114, 111-114	3.3	25
52	Fabrication and characterization of solution cast MWNTs/PEI nanocomposites. <i>Journal of Applied Polymer Science</i> , 2009 , 113, 1879-1886	2.9	25
51	Mussel-inspired structure evolution customizing membrane interface hydrophilization. <i>Journal of Membrane Science</i> , 2020 , 612, 118471	9.6	25
50	Organic Microporous Nanofillers with Unique Alcohol Affinity for Superior Ethanol Recovery toward Sustainable Biofuels. <i>ChemSusChem</i> , 2017 , 10, 1887-1891	8.3	24

49	The stability of a graphene oxide (GO) nanofiltration (NF) membrane in an aqueous environment: progress and challenges. <i>Materials Advances</i> , 2020 , 1, 554-568	3.3	20
48	Magnetoresistive conductive polymer-tungsten trioxide nanocomposites with ultrahigh sensitivity at low magnetic field. <i>Polymer</i> , 2014 , 55, 944-950	3.9	19
47	Bio-inspired mineral-hydrogel hybrid coating on hydrophobic PVDF membrane boosting oil/water emulsion separation. <i>Separation and Purification Technology</i> , 2022 , 285, 120383	8.3	19
46	Advances in MXene Films: Synthesis, Assembly, and Applications. <i>Transactions of Tianjin University</i> , 2021 , 27, 217-247	2.9	19
45	Thermo-responsive separation membrane with smart anti-fouling and self-cleaning properties. <i>Chemical Engineering Research and Design</i> , 2020 , 156, 333-342	5.5	18
44	Polyelectrolyte Grafted MOFs Enable Conjugated Membranes for Molecular Separations in Dual Solvent Systems. <i>Cell Reports Physical Science</i> , 2020 , 1, 100034	6.1	17
43	Critical operation factors and proposed testing protocol of nanofiltration membranes for developing advanced membrane materials. <i>Advanced Composites and Hybrid Materials</i> , 1	8.7	17
42	Facile method to functionalize graphene oxide nanoribbons and its application to Poly(p-phenylene benzobisoxazole) composite. <i>Composites Science and Technology</i> , 2018 , 165, 124-130	8.6	16
41	Alkyl bicarbamates supramolecular organogelators with effective selective gelation and high oil recovery from oil/water mixtures. <i>Chemosphere</i> , 2017 , 167, 178-187	8.4	15
40	Covalent marriage of multi-walled carbon nanotubes (MWNTs) and Cyclodextrin (CD) by silicon coupling reagents. <i>Applied Surface Science</i> , 2011 , 258, 1682-1688	6.7	15
39	Symbiosis-inspired de novo synthesis of ultrahigh MOF growth mixed matrix membranes for sustainable carbon capture.. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022 , 119,	11.5	15
38	Preparation and characterization of fluorinated acrylic pressure sensitive adhesives for low surface energy substrates. <i>Journal of Fluorine Chemistry</i> , 2015 , 180, 103-109	2.1	14
37	Acidified bimetallic MOFs constructed Co/N co-doped low dimensional hybrid carbon networks for high-efficiency microwave absorption. <i>Carbon</i> , 2021 , 171, 211-220	10.4	14
36	Deciphering the mechanism of corona discharge treatment of BOPET film. <i>RSC Advances</i> , 2014 , 4, 21782	3.7	13
35	Synthesis of poly (n-butyl acrylates) by a novel microemulsion polymerization for PSAs applications. <i>International Journal of Adhesion and Adhesives</i> , 2013 , 47, 69-72	3.4	13
34	Hybrid emulsifiers enhancing polymerization stabilities and properties of pressure sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2010 , 115, 1125-1130	2.9	13
33	Synthesis and properties of soap-free P(2-EHA-BA) emulsion for removable pressure sensitive adhesives. <i>RSC Advances</i> , 2014 , 4, 47708-47713	3.7	12
32	Influence of selected photoinitiators type II on tack, peel adhesion, and shear strength of UV-crosslinked solvent-borne acrylic pressure-sensitive adhesives used for medical applications. <i>Polymer Bulletin</i> , 2012 , 68, 441-452	2.4	12

31	Novel acrylic pressure-sensitive adhesive (PSA) containing silver particles. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 1446-1454	2	11
30	Surface characteristics of kidney and circular section carbon fibers and mechanical behavior of composites. <i>Materials Chemistry and Physics</i> , 2007 , 106, 16-21	4.4	11
29	Synthesis and characterization of carborane-containing polyester with excellent thermal and ultrahigh char yield. <i>Journal of Applied Polymer Science</i> , 2016 , 133,	2.9	11
28	Pressure-assisted in-depth hydrophilic tailoring of porous membranes achieving high water permeability, excellent fouling resistance and superior antimicrobial ability. <i>Journal of Membrane Science</i> , 2020 , 604, 118071	9.6	10
27	Fabrication of light, flexible and multifunctional graphene nanoribbon fibers via a 3D solution printing method. <i>Nanotechnology</i> , 2016 , 27, 465702	3.4	10
26	One-step, simple, and green synthesis of tin dioxide/graphene nanocomposites and their application to lithium-ion battery anodes. <i>Applied Surface Science</i> , 2014 , 317, 486-489	6.7	10
25	Effect of Co60 gamma ray irradiation for carbon fibre on interfacial properties in epoxy resin composites. <i>Materials Science and Technology</i> , 2002 , 18, 1585-1588	1.5	10
24	Poly(sodium-p-styrenesulfonate)-grafted UiO-66 composite membranes boosting highly efficient molecular separation for environmental remediation. <i>Advanced Composites and Hybrid Materials</i> , 2021 , 4, 562-573	8.7	10
23	Ultrafast Poly(sodium methacrylate)-Grafted UiO-66-Incorporated Nanocomposite Membranes Enable Excellent Active Pharmaceutical Ingredient Concentration. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 6287-6297	3.9	10
22	UV-initiated crosslinking of photoreactive acrylic pressure-sensitive adhesives using excimer-laser. <i>Polymer Bulletin</i> , 2013 , 70, 479-488	2.4	9
21	Thermal stability and surface properties of acrylic PSAs modified by hexafluorobutyl acrylate. <i>Journal of Adhesion Science and Technology</i> , 2016 , 30, 300-312	2	8
20	Pore morphology control and hydrophilicity of polyacrylonitrile ultrafiltration membranes. <i>Journal of Applied Polymer Science</i> , 2015 , 132, n/a-n/a	2.9	8
19	Water treatment based on atomically engineered materials: Atomic layer deposition and beyond. <i>Matter</i> , 2021 , 4, 3515-3548	12.7	8
18	Recent progress in PIM-1 based membranes for sustainable CO2 separations: Polymer structure manipulation and mixed matrix membrane design. <i>Separation and Purification Technology</i> , 2022 , 284, 120277	8.3	8
17	Photocrosslinking of solvent-based acrylic pressure-sensitive adhesives (PSA) by the use of selected photoinitiators type I. <i>Journal of Adhesion Science and Technology</i> , 2013 , 27, 2398-2410	2	7
16	Mussel-inspired tannic acid/polyethyleneimine assembling positively-charged membranes with excellent cation permselectivity.. <i>Science of the Total Environment</i> , 2022 , 817, 153051	10.2	7
15	Polyacrylate emulsion containing IBOMA for removable pressure sensitive adhesives. <i>Journal of Applied Polymer Science</i> , 2016 , 133, n/a-n/a	2.9	7
14	Gene expression mediated by dendrimer/DNA complexes encapsulated in biodegradable polymer microspheres. <i>Journal of Microencapsulation</i> , 2010 , 27, 345-54	3.4	6

13	RTS: road topology-based scheme for traffic condition estimation via vehicular crowdsensing. <i>Concurrency Computation Practice and Experience</i> , 2017 , 29, e3778	1.4	5
12	Facile Preparation of TiO ₂ Nanoclusters on Graphene Templates for Photodegradation of Organic Compounds. <i>Journal of Materials Science and Technology</i> , 2015 , 31, 840-844	9.1	5
11	A novel porous adhesion material with ink absorbency for digital inkjet printing. <i>RSC Advances</i> , 2015 , 5, 36288-36294	3.7	4
10	The water-dependent decay mechanism of biaxially-oriented corona-treated polyethylene terephthalate films. <i>RSC Advances</i> , 2014 , 4, 54805-54809	3.7	4
9	Emerging nanomaterial incorporated membranes for gas separation and pervaporation towards energetic-efficient applications 2022 , 2, 100015		4
8	Hydrophilic modification of poly(aryl sulfone) membrane materials toward highly-efficient environmental remediation. <i>Frontiers of Chemical Science and Engineering</i> , 1	4.5	3
7	Metal-organophosphate biphasic interfacial coordination reaction synthesizing nanofiltration membranes with the ultrathin selective layer, excellent acid-resistance and antifouling performance. <i>Journal of Membrane Science</i> , 2022 , 653, 120521	9.6	3
6	Grand Challenges in Emerging Separation Technologies. <i>Frontiers in Environmental Chemistry</i> , 2020 , 1,	3	2
5	Corticosteroid therapy in pneumonia from swine-origin influenza A (H1N1) in China. <i>Journal of Medical Virology</i> , 2018 , 90, 1675-1680	19.7	1
4	Mussel-Inspired Nanocomposites: Synthesis and Promising Applications in Environmental Fields 2018 , 603-650		1
3	Monovalent cation exchange membranes with janus charged structure for ion separation. <i>Engineering</i> , 2022 ,	9.7	1
2	Miniature Boat Fabrication with Striking Loading Capacity in Seawater from Hydrophobic Steel Mesh. <i>Chinese Journal of Chemical Physics</i> , 2015 , 28, 762-766	0.9	0
1	Polyacrylate Decorating Poly(ethylene terephthalate) (PET) Film Surface for Boosting Oxygen Barrier Property. <i>Coatings</i> , 2021 , 11, 1451	2.9	