

# Fusheng Pan

## List of Publications by Year in descending order

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293  
papers

11,342  
citations

28190

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43802

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296  
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296  
docs citations

296  
times ranked

9151  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhanced Electrochemical Performance of Poly(ethylene oxide) Composite Polymer Electrolyte via Incorporating Lithiated Covalent Organic Framework. Transactions of Tianjin University, 2022, 28, 67-72.	3.3	10
2	Deformation Characterization, Twinning Behavior and Mechanical Properties of Dissimilar Friction-Stir-Welded AM60/AZ31 Alloys Joint During the Three-Point Bending. Acta Metallurgica Sinica (English Letters), 2022, 35, 727-744.	1.5	8
3	Vapor-liquid interfacial polymerization of covalent organic framework membranes for efficient alcohol dehydration. Journal of Membrane Science, 2022, 641, 119905.	4.1	18
4	Highly permeable and antioxidative graphene oxide membranes for concentration of hydrogen peroxide aqueous solution. Journal of Membrane Science, 2022, 643, 120036.	4.1	8
5	Hybrid membranes with 2D vertical continuous channels from layered double hydroxides array for high-efficiency ethanol dehydration. Journal of Membrane Science, 2022, 643, 120040.	4.1	9
6	Kinetics of the hydrogen absorption and desorption processes of hydrogen storage alloys: A review. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 32-48.	2.4	169
7	Ultrahigh plasticity Mg-Gd-Zr alloy. , 2022, , 83-118.		0
8	Effects of Zn Addition on the Microstructure and Mechanical Properties of As-Extruded Mg-2Al-0.5Ca Alloy. Metals, 2022, 12, 221.	1.0	6
9	Fast kinetics of monoclinic VO <sub>2</sub> (B) bulk upon magnesianation via DFT+U calculations. Physical Chemistry Chemical Physics, 2022, 24, 2150-2157.	1.3	6
10	Solid solution strengthening and ductilizing theory for magnesium alloys. , 2022, , 47-82.		3
11	A review of the design, processes, and properties of Mg-based composites. Nanotechnology Reviews, 2022, 11, 712-730.	2.6	27
12	Facile and Economic Synthesis of Robust Non-Nucleophilic Electrolyte for High-Performance Rechargeable Magnesium Batteries. ACS Applied Materials & Interfaces, 2022, 14, 8906-8915.	4.0	18
13	N <sub>2</sub> O as a Universal Reaction Gas to Overcome Spectral Interference in Determining Metal Impurities in Mg(TFSI) <sub>2</sub> Electrolytes for Rechargeable Magnesium Batteries by Inductively Coupled Plasma Tandem Mass Spectrometry. Analytical Chemistry, 2022, 94, 3035-3040.	3.2	6
14	Functionalized 12 Å Polyethylene Separator to Realize Dendrite-Free Lithium Deposition toward Highly Stable Lithium-Metal Batteries. Advanced Science, 2022, 9, e2102215.	5.6	35
15	Effect on Zn on Microstructures and Mechanical Properties of Mg-Gd-Y-Zn LPSO Alloys. Metals and Materials International, 2022, 28, 2613-2620.	1.8	9
16	Ultrafast seawater desalination with covalent organic framework membranes. Nature Sustainability, 2022, 5, 518-526.	11.5	126
17	Covalent Organic Framework for Rechargeable Batteries: Mechanisms and Properties of Ionic Conduction. Advanced Energy Materials, 2022, 12, .	10.2	72
18	MOF-COF Alloy Membranes for Efficient Propylene/Propane Separation. Advanced Materials, 2022, 34, e2201423.	11.1	39

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19	Comparison on Hot Tearing Behavior of Binary Mg-Al, Mg-Y, Mg-Gd, Mg-Zn, and Mg-Ca Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2022, 53, 2986-3001.	1.1	7
20	Effects of Li addition on the microstructure and tensile properties of the extruded Mg-1Zn-xLi alloy. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 1380-1387.	2.4	7
21	Improving the room-temperature bendability of Mg-3Al-1Zn alloy sheet by introducing a bimodal microstructure and the texture re-orientation. International Journal of Minerals, Metallurgy and Materials, 2022, 29, 1322-1333.	2.4	6
22	In-situ construction of water capture layer through reaction enhanced surface segregation for pervaporation desalination. Journal of Membrane Science, 2022, 658, 120708.	4.1	9
23	Synergistic Effect of a Facilely Synthesized MnV <sub>2</sub> O <sub>6</sub> Catalyst on Improving the Low-Temperature Kinetic Properties of MgH <sub>2</sub> . ACS Applied Materials & Interfaces, 2022, 14, 33161-33172.	4.0	30
24	Preparing superhydrophobic nanocomposite coating with SiO <sub>2</sub> nanoparticles on magnesium alloy. Surface Engineering, 2021, 37, 1231-1238.	1.1	12
25	Deformation Behavior of the Mg-Zn-Ca-Ce Alloy Sheets Subjected to Uniaxial and Biaxial Tensile Tests. Metals and Materials International, 2021, 27, 4322-4332.	1.8	3
26	Effect of Mn Modification on Microstructure and Mechanical Properties of Magnesium Alloy with Low Gd Content. Metals and Materials International, 2021, 27, 1483-1492.	1.8	14
27	Effect of Zener-Hollomon Parameter on High-Temperature Deformation Behaviors of Mg-6Zn-1.5Y-0.5Ce-0.4Zr Alloy. Acta Metallurgica Sinica (English Letters), 2021, 34, 606-616.	1.5	6
28	Vertically oriented Fe <sub>3</sub> O <sub>4</sub> nanoflakes within hybrid membranes for efficient water/ethanol separation. Journal of Membrane Science, 2021, 620, 118916.	4.1	8
29	Construction of graphene oxide membrane through non-covalent cross-linking by sulfonated cyclodextrin for ultra-permeable butanol dehydration. Journal of Membrane Science, 2021, 621, 118938.	4.1	30
30	Optimized Tension for AZ31B Thin Sheets Rolled with On-Line Heating Rolling. Acta Metallurgica Sinica (English Letters), 2021, 34, 227-238.	1.5	4
31	Influence of Li Addition on the Microstructures and Mechanical Properties of Mg-Li Alloys. Metals and Materials International, 2021, 27, 1403-1415.	1.8	12
32	Temperature Effect on Strain Hardening Behaviors of As-Extruded Binary Magnesium Alloys. Advanced Engineering Materials, 2021, 23, 2001104.	1.6	0
33	Effect of Mn Addition on Melt Purification and Fe Tolerance in Mg Alloys. Jom, 2021, 73, 892-902.	0.9	24
34	Organic molecular sieve membranes for chemical separations. Chemical Society Reviews, 2021, 50, 5468-5516.	18.7	170
35	Boosting magnesium storage in MoS <sub>2</sub> via a 1T phase introduction and interlayer expansion strategy: theoretical prediction and experimental verification. Sustainable Energy and Fuels, 2021, 5, 5471-5480.	2.5	4
36	Heterostructured graphene oxide membranes with tunable water-capture coatings for highly selective water permeation. Journal of Materials Chemistry A, 2021, 9, 7903-7912.	5.2	18

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37	Corrosion protection properties of different inhibitors containing PEO/LDHs composite coating on magnesium alloy AZ31. <i>Scientific Reports</i> , 2021, 11, 2774.	1.6	22
38	Solution to Multiscale and Multiphysics Problems: A Phase-Field Study of Fully Coupled Thermal-Solute-Convection Dendrite Growth. <i>Advanced Theory and Simulations</i> , 2021, 4, 2000251.	1.3	13
39	Ion Selective Covalent Organic Framework Enabling Enhanced Electrochemical Performance of Lithium-Sulfur Batteries. <i>Nano Letters</i> , 2021, 21, 2997-3006.	4.5	102
40	Strategies for enhancing the room-temperature stretch formability of magnesium alloy sheets: a review. <i>Journal of Materials Science</i> , 2021, 56, 12965.	1.7	64
41	Improving Strength and Electromagnetic Shielding Effectiveness of Mg-Sn-Zn-Ca-Ce Alloy by Sn Addition. <i>Advanced Engineering Materials</i> , 2021, 23, 2100166.	1.6	15
42	The Effect of Sr Addition on Hot Tearing Susceptibility of Mg-1Ca-xSr Alloys. <i>Journal of Materials Engineering and Performance</i> , 2021, 30, 7645-7654.	1.2	8
43	Conferring efficient alcohol dehydration to covalent organic framework membranes via post-synthetic linker exchange. <i>Journal of Membrane Science</i> , 2021, 630, 119319.	4.1	30
44	Investigation on the Phase Relationship and Solidification Processes of Mg-rich Mg-Mn-Y Alloys. <i>Journal of Phase Equilibria and Diffusion</i> , 2021, 42, 441-451.	0.5	4
45	Enhanced water-selective performance of dual-layer hybrid membranes by incorporating carbon nanotubes. <i>Chemical Engineering Science: X</i> , 2021, 11, 100102.	1.5	4
46	Facile Preparation of $\text{CuCo}_2\text{S}_4/\text{Cu}_{7.2}\text{S}_4$ Nanocomposites as High-Performance Cathode Materials for Rechargeable Magnesium Batteries**. <i>Chemistry - A European Journal</i> , 2021, 27, 13568-13574.	1.7	10
47	Thermo-mechanical properties of Cr-Co-Ni alloys from longitudinal spin fluctuation theory. <i>Applied Physics Letters</i> , 2021, 119, 081904.	1.5	3
48	Corrosion of Iron-Nickel Foam to In Situ Fabricate Amorphous FeNi (Oxy)hydroxide Nanosheets as Highly Efficient Electrocatalysts for Oxygen Evolution Reaction. <i>ACS Applied Energy Materials</i> , 2021, 4, 8791-8800.	2.5	17
49	First-principles prediction of layered $\text{MoO}_2$ and $\text{MoOSe}$ as promising cathode materials for magnesium ion batteries. <i>Nanotechnology</i> , 2021, 32, 495405.	1.3	5
50	Graphene oxide membranes tuned by metal-phytic acid coordination complex for butanol dehydration. <i>Journal of Membrane Science</i> , 2021, 638, 119736.	4.1	16
51	Effect of Microstructure on Layered Double Hydroxides Film Growth on Mg-2Zn-xMn Alloy. <i>Coatings</i> , 2021, 11, 59.	1.2	8
52	Large strain hardening of magnesium containing <i>in situ</i> nanoparticles. <i>Nanotechnology Reviews</i> , 2021, 10, 1018-1030.	2.6	8
53	The high-temperature oxidation resistance properties of magnesium alloys alloyed with Gd and Ca. <i>Journal of Materials Science</i> , 2021, 56, 8745-8761.	1.7	20
54	Enhancing $\text{Mg}^{2+}$ and $\text{Mg}^{2+}/\text{Li}^{+}$ Storage by Introducing Active Defect Sites and Edge Surfaces in $\text{MoSe}_2$ . <i>ChemElectroChem</i> , 2021, 8, 4252-4260.	1.7	3

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55	A Novel Mg-CaMgSn Master Alloy for Grain Refinement in Mg-Al-Based Alloys. <i>Metals</i> , 2021, 11, 1722.	1.0	3
56	Effects of Substitution of Y with Yb and Ce on the Microstructures and Mechanical Properties of Mg88.5Zn5Y6.5. <i>Metals</i> , 2021, 11, 31.	1.0	0
57	Water-selective hybrid membranes with improved interfacial compatibility from mussel-inspired dopamine-modified alginate and covalent organic frameworks. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 90-97.	1.7	10
58	Graphene oxide membranes with fixed interlayer distance via dual crosslinkers for efficient liquid molecular separations. <i>Journal of Membrane Science</i> , 2020, 595, 117486.	4.1	47
59	Improving Strength and Formability of Rolled AZ31 Sheet by Two-Step Twinning Deformation. <i>Jom</i> , 2020, 72, 2551-2560.	0.9	13
60	Enhanced desulfurization performance of hybrid membranes using embedded hierarchical porous SBA-15. <i>Frontiers of Chemical Science and Engineering</i> , 2020, 14, 661-672.	2.3	7
61	A MOF Glass Membrane for Gas Separation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 4365-4369.	7.2	325
62	Facilitated transport membranes by incorporating self-exfoliated covalent organic nanosheets for CO <sub>2</sub> /CH <sub>4</sub> separation. <i>Separation and Purification Technology</i> , 2020, 237, 116457.	3.9	20
63	Reducing active layer thickness of polyamide composite membranes using a covalent organic framework interlayer in interfacial polymerization. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1039-1045.	1.7	25
64	A new environmentally-friendly route to <i>in situ</i> form a high-corrosion-resistant nesquehonite film on pure magnesium. <i>RSC Advances</i> , 2020, 10, 35480-35489.	1.7	9
65	Achieving High Yield Strength and Ductility in As-Extruded Mg-0.5Sr Alloy by High Mn Alloying. <i>Materials</i> , 2020, 13, 4176.	1.3	7
66	Polydopamine coated poly(m-phenylene isophthalamid) membrane as heat-tolerant separator for lithium-ion batteries. <i>Ionics</i> , 2020, 26, 5471-5480.	1.2	8
67	Metal-Organic Frameworks Corset with a Thermosetting Polymer for Improved Molecular-Sieving Property of Mixed-Matrix Membranes. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 55308-55315.	4.0	19
68	Influence of Electrolyte Temperature on Morphology and Properties of Composite Anodic Film on Titanium Alloy Ti-10V-2Fe-3Al. <i>Coatings</i> , 2020, 10, 1109.	1.2	5
69	Constructing Colorful Surfaces with Mechanical Robustness for Magnesium Alloys via a Reagent-Free Method. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 48206-48215.	4.0	8
70	Improved Edge Quality for AZ31 Sheets Using Online Heating Rolling Technique. <i>Journal of Materials Engineering and Performance</i> , 2020, 29, 4212-4221.	1.2	5
71	Ultrathin heterostructured covalent organic framework membranes with interfacial molecular sieving capacity for fast water-selective permeation. <i>Journal of Materials Chemistry A</i> , 2020, 8, 19328-19336.	5.2	43
72	Effects of annealing temperature on microstructure and mechanical properties of LZ91 alloy. <i>Materials Science and Technology</i> , 2020, 36, 2010-2017.	0.8	10

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73	Constructing high-efficiency facilitated transport pathways via embedding heterostructured Ag+@MOF/GO laminates into membranes for pervaporative desulfurization. Separation and Purification Technology, 2020, 245, 116858.	3.9	16
74	Density Functional Theory Calculations for the Evaluation of FePS3 as a Promising Anode for Mg Ion Batteries. Transactions of Tianjin University, 2020, 26, 248-255.	3.3	14
75	Nano-silica-decorated Poly(m-Phenylene Isophthalamide) Separator with Enhanced Mechanical and Electrolyte Wetting Properties for Lithium-Ion Batteries. Transactions of Tianjin University, 2020, 26, 256-264.	3.3	8
76	Effect of Steels on the Purity of Molten Mg Alloys. Advanced Engineering Materials, 2020, 22, 2000338.	1.6	18
77	Achieving High Ductility in Hot-Rolled Mg-xZn-0.2Ca-0.2Ce Sheet by Zn Addition. Jom, 2020, 72, 1607-1618.	0.9	8
78	A MOF Glass Membrane for Gas Separation. Angewandte Chemie, 2020, 132, 4395-4399.	1.6	57
79	Microstructure Evolution and Mechanical Properties of Mg-1.5Zn-0.2Ca-0.2Ce Alloy Processed by Accumulated Extrusion Bonding. Jom, 2020, 72, 2597-2602.	0.9	12
80	Lithiation of covalent organic framework nanosheets facilitating lithium-ion transport in lithium-sulfur batteries. Energy Storage Materials, 2020, 29, 207-215.	9.5	93
81	General hierarchical structure to solve transport phenomena with dissimilar time scales: Application in large-scale three-dimensional thermosolutal phase-field problems. Physical Review E, 2020, 102, 043313.	0.8	8
82	Effects of Gd on the microstructure and mechanical properties of Mg-Gd-Li dual-phase alloys. International Journal of Materials Research, 2020, 111, 432-438.	0.1	0
83	Microstructure and mechanical properties of rolled Mg-Gd-Zn-Zr-Ag-Al-Li alloys. International Journal of Materials Research, 2020, 111, 645-653.	0.1	2
84	Hybrid membranes with Cu(II) loaded metal organic frameworks for enhanced desulfurization performance. Separation and Purification Technology, 2019, 210, 258-267.	3.9	31
85	Effect of Compressive Deformation on Wear Property of Extruded ZK60 Magnesium Alloy. Tribology Transactions, 2019, 62, 1-7.	1.1	13
86	Elevated Pervaporative Desulfurization Performance of Pebax-Ag <sup>+</sup> @MOFs Hybrid Membranes by Integrating Multiple Transport Mechanisms. Industrial & Engineering Chemistry Research, 2019, 58, 16911-16921.	1.8	15
87	Brønsted acid mediated covalent organic framework membranes for efficient molecular separation. Journal of Materials Chemistry A, 2019, 7, 20317-20324.	5.2	58
88	Effect of Heat Treatment on Microstructure and Mechanical Properties of Extruded Mg-4Zn-1.5Al-2Sn Alloy. Journal of Materials Engineering and Performance, 2019, 28, 4565-4573.	1.2	0
89	Effect of Sn Addition on Microstructure and Corrosion Behavior of As-Extruded Mg-5Zn-4Al Alloy. Materials, 2019, 12, 2069.	1.3	14
90	Modification of Supramolecular Membranes with 3D Hydrophilic Slide-Rings for the Improvement of Antifouling Properties and Effective Separation. ACS Applied Materials & Interfaces, 2019, 11, 28527-28537.	4.0	25

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91	Ultrapерmeable graphene oxide membranes with tunable interlayer distances via vein-like supramolecular dendrimers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18642-18652.	5.2	48
92	Tailoring the facets of Ni <sub>3</sub> S <sub>2</sub> as a bifunctional electrocatalyst for high-performance overall water-splitting. <i>Journal of Materials Chemistry A</i> , 2019, 7, 18003-18011.	5.2	83
93	Effect of Zn Content on the Microstructure and Mechanical Properties of Mg-Al-Sn-Mn Alloys. <i>Materials</i> , 2019, 12, 3102.	1.3	5
94	Corrosion and Residual Strength Analysis of High Pressure Die Casting AM Series Mg Alloys. <i>Materials</i> , 2019, 12, 2624.	1.3	5
95	Direct growth of covalent organic framework nanofiltration membranes on modified porous substrates for dyes separation. <i>Separation and Purification Technology</i> , 2019, 215, 582-589.	3.9	95
96	PolyCOFs: A New Class of Freestanding Responsive Covalent Organic Framework Membranes with High Mechanical Performance. <i>ACS Central Science</i> , 2019, 5, 1352-1359.	5.3	126
97	Covalent organic framework membranes through a mixed-dimensional assembly for molecular separations. <i>Nature Communications</i> , 2019, 10, 2101.	5.8	271
98	Bioinspired EVAL membrane modified with cilia-like structures showing simultaneously enhanced permeability and antifouling properties. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 181, 134-142.	2.5	6
99	Effect of Boron on the Grain Refinement and Mechanical Properties of as-Cast Mg Alloy AM50. <i>Materials</i> , 2019, 12, 1100.	1.3	7
100	Microstructure and Mechanical Properties of Aged and Hot Rolled AZ80 Magnesium Alloy Sheets. <i>Crystals</i> , 2019, 9, 239.	1.0	3
101	Constructing channel-mediated facilitated transport membranes by incorporating covalent organic framework nanosheets with tunable microenvironments. <i>Journal of Materials Chemistry A</i> , 2019, 7, 9912-9923.	5.2	25
102	Mass transport mechanisms within pervaporation membranes. <i>Frontiers of Chemical Science and Engineering</i> , 2019, 13, 458-474.	2.3	27
103	Tailoring the Rolling Texture of AZ31 Mg Alloy with Calcium and Tin Addition. <i>Advanced Engineering Materials</i> , 2019, 21, 1800920.	1.6	8
104	Strain Hardening Behavior in Mg-Al Alloys at Room Temperature. <i>Advanced Engineering Materials</i> , 2019, 21, 1801062.	1.6	14
105	Hollow monocrystalline silicalite-1 hybrid membranes for efficient pervaporative desulfurization. <i>AIChE Journal</i> , 2019, 65, 196-206.	1.8	12
106	A Graphene Spin Coatings for Cost-Effective Corrosion Protection for the Magnesium Alloy AZ31. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 105-111.	0.9	7
107	High-efficiency water-selective membranes from the solution-diffusion synergy of calcium alginate layer and covalent organic framework (COF) layer. <i>Journal of Membrane Science</i> , 2019, 572, 557-566.	4.1	48
108	Tribological performances of SiO <sub>2</sub> /graphene combinations as water-based lubricant additives for magnesium alloy rolling. <i>Applied Surface Science</i> , 2019, 475, 847-856.	3.1	94

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109	Layer-by-layer self-assembled nanocomposite membranes via bio-inspired mineralization for pervaporation dehydration. <i>Journal of Membrane Science</i> , 2019, 570-571, 44-52.	4.1	22
110	Constructing rapid diffusion pathways in ultrapermeable hybrid membranes by hierarchical porous nanotubes. <i>Chemical Engineering Science</i> , 2019, 195, 609-618.	1.9	11
111	Effect of manganese on the microstructure and mechanical properties of magnesium alloys. <i>International Journal of Materials Research</i> , 2019, 110, 1016-1024.	0.1	9
112	Hot Deformation Behavior and Microstructural Evolution of Twin-Roll-Casting Mg Alloy during High-Temperature Compression. <i>Advances in Materials Science and Engineering</i> , 2019, 2019, 1-7.	1.0	207
113	First Principle and Experimental Study for Site Preferences of Formability Improved Alloying Elements in Mg Crystal. <i>Metals and Materials International</i> , 2018, 24, 830-839.	1.8	3
114	Embedding hydrophobic MoS <sub>2</sub> nanosheets within hydrophilic sodium alginate membrane for enhanced ethanol dehydration. <i>Chemical Engineering Science</i> , 2018, 185, 231-242.	1.9	35
115	Mechanical properties and failure behavior of AZ61 magnesium alloy at high temperatures. <i>Journal of Materials Science</i> , 2018, 53, 8536-8544.	1.7	8
116	Embedding Ag + @COFs within Pebax membrane to confer mass transport channels and facilitated transport sites for elevated desulfurization performance. <i>Journal of Membrane Science</i> , 2018, 552, 1-12.	4.1	61
117	Effect of secondary phase on the electromagnetic shielding effectiveness of magnesium alloy. <i>Scientific Reports</i> , 2018, 8, 1625.	1.6	33
118	Enhanced dehydration performance of hybrid membranes by incorporating fillers with hydrophilic-hydrophobic regions. <i>Chemical Engineering Science</i> , 2018, 178, 273-283.	1.9	13
119	Manipulation of interactions at membrane interfaces for energy and environmental applications. <i>Progress in Polymer Science</i> , 2018, 80, 125-152.	11.8	56
120	Water-selective permeation in hybrid membrane incorporating multi-functional hollow ZIF-8 nanospheres. <i>Journal of Membrane Science</i> , 2018, 555, 146-156.	4.1	57
121	O-Vacancy-enriched NiO hexagonal platelets fabricated on Ni foam as a self-supported electrode for extraordinary pseudocapacitance. <i>Journal of Materials Chemistry A</i> , 2018, 6, 7099-7106.	5.2	61
122	Constructing facilitated transport pathway in hybrid membranes by incorporating MoS <sub>2</sub> nanosheets. <i>Journal of Membrane Science</i> , 2018, 545, 29-37.	4.1	42
123	Bimetallic metal-organic frameworks nanocages as multi-functional fillers for water-selective membranes. <i>Journal of Membrane Science</i> , 2018, 545, 19-28.	4.1	44
124	Enhanced dehydration performance of hybrid membranes by incorporating lanthanide-based MOFs. <i>Journal of Membrane Science</i> , 2018, 546, 31-40.	4.1	26
125	Elevated performance of hybrid membranes by incorporating metal organic framework CuBTC for pervaporative desulfurization of gasoline. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 123, 12-19.	1.8	24
126	Effect of Bi on Microstructure and Mechanical Properties of Extruded AZ80-2Sn Magnesium Alloy. <i>High Temperature Materials and Processes</i> , 2018, 37, 97-103.	0.6	3



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127	Functionally graded membranes from nanoporous covalent organic frameworks for highly selective water permeation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 583-591.	5.2	103
128	Thermal conductivity and mechanical properties of Sm-containing Mg-Zn-Zr alloys. <i>Materials Science and Technology</i> , 2018, 34, 138-144.	0.8	13
129	Microstructure and Mechanical Properties of Mg-6Al-1Sn-0.3Mn Alloy Sheet Fabricated through Extrusion Combined with Rolling. <i>Crystals</i> , 2018, 8, 356.	1.0	6
130	Microstructures and Mechanical Properties of Mg-9Al/Ti Metallurgical Bonding Prepared by Liquid-Solid Diffusion Couples. <i>Metals</i> , 2018, 8, 778.	1.0	4
131	Strengthening Effects of Zn Addition on an Ultrahigh Ductility Mg-Gd-Zr Magnesium Alloy. <i>Materials</i> , 2018, 11, 1942.	1.3	26
132	Preparation and Characterization of Magnesium Alloy Containing Al <sub>2</sub> Y Particles. <i>Materials</i> , 2018, 11, 1748.	1.3	15
133	Hierarchical pore architectures from 2D covalent organic nanosheets for efficient water/alcohol separation. <i>Journal of Membrane Science</i> , 2018, 561, 79-88.	4.1	33
134	Graphene oxide quantum dots incorporated nanocomposite membranes with high water flux for pervaporative dehydration. <i>Journal of Membrane Science</i> , 2018, 563, 903-913.	4.1	55
135	Tribological Behaviors of Graphene and Graphene Oxide as Water-Based Lubricant Additives for Magnesium Alloy/Steel Contacts. <i>Materials</i> , 2018, 11, 206.	1.3	61
136	Influence of pH on the growth behaviour of Mg-Al LDH films. <i>Surface Engineering</i> , 2018, 34, 674-681.	1.1	39
137	Highly water-selective membranes based on hollow covalent organic frameworks with fast transport pathways. <i>Journal of Membrane Science</i> , 2018, 565, 331-341.	4.1	73
138	Microstructure and Electromagnetic Shielding Properties of Mg-Zn-Ce-Y-Zr Alloys. <i>Journal of Materials Engineering and Performance</i> , 2018, 27, 4722-4731.	1.2	8
139	Composition Optimization and Mechanical Properties of Mg-Al-Sn-Mn Alloys by Orthogonal Design. <i>Materials</i> , 2018, 11, 1424.	1.3	13
140	Robust Rare-Earth-Containing Superhydrophobic Coatings for Strong Protection of Magnesium and Aluminum Alloys. <i>Advanced Materials Interfaces</i> , 2018, 5, 1800213.	1.9	12
141	Heat-affected zone microstructure and mechanical properties evolution for laser remanufacturing 35CrMoA axle steel. , 2018, , .		0
142	Microstructure, mechanical properties, bio-corrosion properties and cytotoxicity of as-extruded Mg-Sr alloys. <i>Materials Science and Engineering C</i> , 2017, 70, 1081-1088.	3.8	75
143	Enhanced desulfurization performance and stability of Pebax membrane by incorporating Cu <sup>+</sup> and Fe <sup>2+</sup> ions co-impregnated carbon nitride. <i>Journal of Membrane Science</i> , 2017, 526, 94-105.	4.1	38
144	A Novel Approach to Fabricate Protective Layered Double Hydroxide Films on the Surface of Anodized Mg-Al Alloy. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700163.	1.9	89

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145	Preparation of ultrathin, robust membranes through reactive layer-by-layer (LbL) assembly for pervaporation dehydration. <i>Journal of Membrane Science</i> , 2017, 537, 229-238.	4.1	87
146	Effects of Sm addition on electromagnetic interference shielding property of Mg-Zn-Zr alloys. <i>Applied Physics A: Materials Science and Processing</i> , 2017, 123, 1.	1.1	14
147	Black composites photocatalyst coatings of K <sub>2</sub> Ti <sub>6</sub> O <sub>13</sub> -TiO <sub>2</sub> /TiC with nano-sheet flower-like structure by heat treatment in molten salt. <i>Materials Letters</i> , 2017, 188, 55-58.	1.3	8
148	Construction of molecule-selective mixed matrix membranes with confined mass transfer structure. <i>Chinese Journal of Chemical Engineering</i> , 2017, 25, 1563-1580.	1.7	27
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