

Xiaolei Wang

List of Publications by Year in descending order

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208
papers

9,540
citations

34105

52
h-index

43889

91
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211
all docs

211
docs citations

211
times ranked

10024
citing authors

#	ARTICLE	IF	CITATIONS
1	Regulation and control of wet friction of soft materials using surface texturing: A review. <i>Friction</i> , 2023, 11, 333-353.	6.4	6
2	LiPAA with Short-chain Anion Facilitating Li_2S (\times) (\times) Li Reduction in Lean Electrolyte Lithium-sulfur Battery. <i>Energy and Environmental Materials</i> , 2022, 5, 877-882.	12.8	4
3	Revealing the role of mo doping in promoting oxygen reduction reaction performance of Pt3Co nanowires. <i>Journal of Energy Chemistry</i> , 2022, 66, 16-23.	12.9	36
4	On the thermocapillary migration between parallel plates. <i>International Journal of Heat and Mass Transfer</i> , 2022, 182, 121962.	4.8	7
5	Ni/Si3N4 composite coatings and their water lubrication behaviors. <i>Applied Surface Science</i> , 2022, 572, 151534.	6.1	5
6	Hetero-architected core-shell NiMoO4@Ni9S8/MoS2 nanorods enabling high-performance supercapacitors. <i>Journal of Materials Research</i> , 2022, 37, 284-293.	2.6	11
7	Regulating the lattice strain of platinum-copper catalysts for enhancing collaborative electrocatalysis. <i>Inorganic Chemistry Frontiers</i> , 2022, 9, 249-258.	6.0	10
8	Droplets Impacting and Migrating on Structured Surfaces With Imposed Thermal Gradients. <i>Journal of Tribology</i> , 2022, 144, .	1.9	2
9	A composite PEO electrolyte with amide-based polymer matrix for suppressing lithium dendrite growth in all-solid-state lithium battery. <i>Chinese Chemical Letters</i> , 2022, 33, 3894-3898.	9.0	38
10	Ultrafine Li4Ti5O12 nanocrystals as building blocks for ultrahigh-power lithium-ion battery anodes. <i>Journal of Power Sources</i> , 2022, 521, 230970.	7.8	19
11	Designing gradient solid electrolyte interphase for stable lithium metal batteries. <i>Green Energy and Environment</i> , 2022, 7, 1129-1131.	8.7	5
12	Efficient Zn Metal Anode Enabled by O,N-Codoped Carbon Microflowers. <i>Nano Letters</i> , 2022, 22, 1350-1357.	9.1	63
13	Ultraslippery/hydrophilic patterned surfaces for efficient fog harvest. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 640, 128398.	4.7	28
14	Modulating the intrinsic properties of platinum-cobalt nanowires for enhanced electrocatalysis of the oxygen reduction reaction. <i>New Journal of Chemistry</i> , 2022, 46, 8122-8130.	2.8	5
15	An Ultrafast, Durable, and High-Loading Polymer Anode for Aqueous Zinc-Ion Batteries and Supercapacitors. <i>Advanced Materials</i> , 2022, 34, e2200077.	21.0	60
16	Solid particle erosion-wear behaviour of SiC particle-reinforced Si matrix composite and neat Si ³ N ⁴ comparison. <i>Wear</i> , 2022, 496-497, 204286.	3.1	5
17	The supporting capacity of ferrofluids bearing: From the liquid ring to droplet. <i>Journal of Magnetism and Magnetic Materials</i> , 2022, 552, 169212.	2.3	3
18	Comparative Studies on Wet Attaching Abilities of Different Salamander Species. <i>Journal of Bionic Engineering</i> , 2022, 19, 92-102.	5.0	2

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19	Improvement of process repeatability and resolution in abrasive air jet machining via viscous slurry entrainment. <i>Journal of Manufacturing Processes</i> , 2022, 79, 413-431.	5.9	3
20	Creation of Topological Ultraslippy Surfaces for Droplet Motion Control. <i>ACS Nano</i> , 2021, 15, 2589-2599.	14.6	93
21	Physical mechanisms behind the wet adhesion: From amphibian toe-pad to biomimetics. <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111531.	5.0	14
22	Directional interfacial motion of liquids: Fundamentals, evaluations, and manipulation strategies. <i>Tribology International</i> , 2021, 154, 106749.	5.9	31
23	N,S-codoped hollow carbon dodecahedron/sulfides composites enabling high-performance lithium-ion intercalation. <i>Electrochemical Science Advances</i> , 2021, 1, e2100001.	2.8	0
24	Supporting capacity of a ferrofluid ring bearing. <i>Journal Physics D: Applied Physics</i> , 2021, 54, 175004.	2.8	4
25	3D Hierarchical Carbon-Rich Micro-/Nanomaterials for Energy Storage and Catalysis. <i>Electrochemical Energy Reviews</i> , 2021, 4, 269-335.	25.5	108
26	Semantic segmentation of ferrography images for automatic wear particle analysis. <i>Engineering Failure Analysis</i> , 2021, 122, 105268.	4.0	6
27	Investigation of advanced catalytic effect of Co ₃ O ₄ nanosheets modified carbon felts as vanadium flow battery electrodes. <i>Journal of Power Sources</i> , 2021, 494, 229775.	7.8	22
28	Characteristics of multiphase jet machining: A comparison with the absence of water. <i>Journal of Materials Processing Technology</i> , 2021, 291, 117050.	6.3	12
29	A facile synthesis of core-shell Fe ₃ O ₄ @C(N) composites and their microwave absorption properties. <i>Journal of Materials Science: Materials in Electronics</i> , 2021, 32, 19020-19030.	2.2	3
30	N, O-codoped Carbon Nanosheet Array Enabling Stable Lithium Metal Anode. <i>Advanced Functional Materials</i> , 2021, 31, 2102354.	14.9	45
31	Hierarchical Ni-Mo ₂ C/N-doped carbon Mott-Schottky array for water electrolysis. <i>Applied Catalysis B: Environmental</i> , 2021, 292, 120168.	20.2	60
32	Ferrofluid-lubricated thrust bearing with an air cushion. <i>Journal of Applied Physics</i> , 2021, 130, .	2.5	3
33	Enhanced polysulfide regulation via honeycomb-like carbon with catalytic MoC for lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21760-21770.	10.3	15
34	Architecture-Driven Fast Droplet Transport without Mass Loss. <i>Langmuir</i> , 2021, 37, 12519-12528.	3.5	14
35	Building Ni ₉ S ₈ /MoS ₂ Nanosheets Decorated NiMoO ₄ Nanorods Heterostructure for Enhanced Water Splitting. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101483.	3.7	18
36	Efficient Bubble Transport on Bioinspired Topological Ultraslippy Surfaces. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 61780-61788.	8.0	16

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37	Using magnetic fluids to improve the behavior of ball bearings under starved lubrication. Tribology International, 2020, 141, 105950.	5.9	28
38	Synthesis of GO-Fe ₃ O ₄ -based ferrofluid and its lubrication performances. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2020, 234, 1160-1167.	1.8	9
39	BCL6 BTB-specific inhibition via FX1 treatment reduces Tfh cells and reverses lymphoid follicle hyperplasia in Indian rhesus macaque (Macaca mulatta). Journal of Medical Primatology, 2020, 49, 26-33.	0.6	5
40	Liquid-gas support and lubrication based on a ferrofluid seal. Journal Physics D: Applied Physics, 2020, 53, 025002.	2.8	8
41	Accuracy of the pattern transfer from the metal mask to the workpiece surface during multiphase jet machining. International Journal of Advanced Manufacturing Technology, 2020, 106, 1355-1364.	3.0	3
42	Hierarchical Chestnut-Burr Like Structure of Copper Cobalt Oxide Electrocatalyst Directly Grown on Ni Foam for Anion Exchange Membrane Water Electrolysis. ACS Sustainable Chemistry and Engineering, 2020, 8, 2344-2349.	6.7	45
43	Ferrofluid lubrication for ball bearings to avoid starvation. Industrial Lubrication and Tribology, 2020, 72, 1227-1231.	1.3	1
44	MOF-derived yolk-shell Ni/C architectures assembled with Ni@C core-shell nanoparticles for lightweight microwave absorbents. CrystEngComm, 2020, 22, 6796-6804.	2.6	21
45	Hollow waxberry-like cobalt-nickel oxide/S,N-codoped carbon nanospheres as a trifunctional electrocatalyst for OER, ORR, and HER. RSC Advances, 2020, 10, 27788-27793.	3.6	17
46	Migration of Liquid Bridges at the Interface of Spheres and Plates with an Imposed Thermal Gradient. Langmuir, 2020, 36, 6268-6276.	3.5	5
47	Feasibility study of magnetic fluid support and lubrication behaviors on micro magnet arrays. Tribology International, 2020, 150, 106407.	5.9	6
48	Layer-based thermal migration of an ionic liquid nano-droplet on a graphene surface: a molecular dynamics study. Molecular Simulation, 2020, 46, 829-836.	2.0	3
49	Controlled support of a magnetic fluid at a superhydrophobic interface. Applied Physics Letters, 2020, 116, 221601.	3.3	7
50	Direct detection of wear conditions by classification of ferrograph images. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	8
51	Tapered mask and its effect on the fluid flow and machining efficiency of a multiphase jet. Journal of Manufacturing Processes, 2020, 50, 467-474.	5.9	3
52	Bimetallic CoNi Alloy Nanoparticles Embedded in Pomegranate-like Nitrogen-Doped Carbon Spheres for Electrocatalytic Oxygen Reduction and Evolution. ACS Applied Nano Materials, 2020, 3, 1354-1362.	5.0	39
53	Propelling liquids on superhydrophobic surfaces with superhydrophilic diverging grooves. Surface Innovations, 2020, 8, 158-164.	2.3	7
54	Experimental investigation of the effect of typical surface texture patterns on mechanical seal performance. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2020, 42, 1.	1.6	8

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55	Non-sticky and Non-slippery Biomimetic Patterned Surfaces. <i>Journal of Bionic Engineering</i> , 2020, 17, 326-334.	5.0	3
56	Investigations on the Thermocapillary Migration of Liquid Lubricants at Different Interfaces. <i>Tribology Letters</i> , 2020, 68, 1.	2.6	4
57	Non-sticky and Free-forward Performances of Grubs against Soil. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 191, 111006.	5.0	1
58	Water Lubrication of Ni/Al ₂ O ₃ Composite Coatings Sliding With Si ₃ N ₄ . <i>Journal of Tribology</i> , 2020, 142, .	1.9	4
59	Hierarchical Carbon Nanosheet Arrays for Lithium Metal Batteries and Electrochemical Water Splitting. <i>ECS Meeting Abstracts</i> , 2020, MA2020-01, 595-595.	0.0	0
60	The thermocapillary migration on rough surfaces. <i>Lubrication Science</i> , 2019, 31, 163-170.	2.1	11
61	On the Thermocapillary Migration at the Liquid and Solid Aspects. <i>Journal of Tribology</i> , 2019, 141, .	1.9	2
62	Manipulating thermocapillary migration via superoleophobic surfaces with wedge shaped superoleophilic grooves. <i>Journal of Colloid and Interface Science</i> , 2019, 557, 837-844.	9.4	13
63	On the Thermocapillary Migration on Radially Microgrooved Surfaces. <i>Langmuir</i> , 2019, 35, 9169-9176.	3.5	9
64	Experimental verification of textured mechanical seal designed using multi-objective optimization. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 766-771.	1.3	10
65	Geometrical Shape Effects of Surface Texture on the Elastic Deformation in Soft-EHL Contacts. <i>Tribology Transactions</i> , 2019, 62, 592-602.	2.0	6
66	Magnetically stimulating capillary effect for reversible wet adhesions. <i>Soft Matter</i> , 2019, 15, 2817-2825.	2.7	5
67	Composite Ni/UHMWPE coatings and their tribological performances. <i>Applied Surface Science</i> , 2019, 481, 414-420.	6.1	13
68	Microwave-assisted pyrolysis of sewage sludge: A review. <i>Fuel Processing Technology</i> , 2019, 187, 84-104.	7.2	190
69	Effects of bulk viscoelasticity and surface wetting on the contact and adhesive properties of a soft material. <i>Polymer Testing</i> , 2019, 74, 266-273.	4.8	5
70	Distribution effect of surface texture on the elastic deformation in soft contacts. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 1194-1199.	1.3	1
71	An Equivalent Damping Numerical Prediction Method for the Ring Damper Used in Gears under Axial Vibration. <i>Symmetry</i> , 2019, 11, 1469.	2.2	8
72	3D N-doped hybrid architectures assembled from OD T-Nb ₂ O ₅ embedded in carbon microtubes toward high-rate Li-ion capacitors. <i>Nano Energy</i> , 2019, 56, 118-126.	16.0	105

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73	Supporting and friction properties of magnetic fluids bearings. Tribology International, 2019, 130, 334-338.	5.9	17
74	Towards the intelligent analysis of ferrograph images. Mechanisms and Machine Science, 2019, , 3825-3834.	0.5	1
75	Key parameters of biomimetic patterned surface for wet adhesion. International Journal of Adhesion and Adhesives, 2018, 82, 72-78.	2.9	19
76	Multi-objective optimization on dimple shapes for gas face seals. Tribology International, 2018, 123, 216-223.	5.9	40
77	Controlling direct contact force for wet adhesion with different wedged film stabilities. Journal Physics D: Applied Physics, 2018, 51, 165305.	2.8	8
78	Two-Dimensional Phosphorus-Doped Carbon Nanosheets with Tunable Porosity for Oxygen Reactions in Zinc-Air Batteries. ACS Catalysis, 2018, 8, 2464-2472.	11.2	175
79	Effect of wetting case and softness on adhesion of bioinspired micropatterned surfaces. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 78, 266-272.	3.1	23
80	Contact angle hysteresis effect on the thermocapillary migration of liquid droplets. Journal of Colloid and Interface Science, 2018, 515, 32-38.	9.4	25
81	Observation on the deformation of dimpled surface in soft-EHL contacts. Tribology International, 2018, 119, 521-530.	5.9	11
82	A Multi-Objective Optimization Approach on Spiral Grooves for Gas Mechanical Seals. Journal of Tribology, 2018, 140, .	1.9	12
83	Ringlike Migration of a Droplet Propelled by an Omnidirectional Thermal Gradient. Langmuir, 2018, 34, 3806-3812.	3.5	21
84	Maternal antibodies against tetanus toxoid do not inhibit potency of antibody responses to autologous antigen in newborn rhesus monkeys. Journal of Medical Primatology, 2018, 47, 35-39.	0.6	1
85	A non-reference evaluation method for edge detection of wear particles in ferrograph images. Mechanical Systems and Signal Processing, 2018, 100, 863-876.	8.0	29
86	Ionic liquidsâ€‘based magnetic nanofluids as lubricants. Lubrication Science, 2018, 30, 73-82.	2.1	29
87	Surface texturing on SiC by multiphase jet machining with microdiamond abrasives. Materials and Manufacturing Processes, 2018, 33, 1415-1421.	4.7	18
88	Pillar versus dimple patterned surfaces for wettability and adhesion with varying scales. Journal of the Royal Society Interface, 2018, 15, 20180681.	3.4	7
89	Colloidal suspension of graphene oxide in ionic liquid as lubricant. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	2.3	15
90	Synthesis of magnetic Fe ₃ O ₄ /graphene oxide nanocomposites and their tribological properties under magnetic field. Materials Research Express, 2018, 5, 105006.	1.6	28

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91	Preparation and tribological properties of graphene oxide doped alumina composite coatings. <i>Surface and Coatings Technology</i> , 2018, 352, 411-419.	4.8	24
92	Bifunctionally active and durable hierarchically porous transition metal-based hybrid electrocatalyst for rechargeable metal-air batteries. <i>Applied Catalysis B: Environmental</i> , 2018, 239, 677-687.	20.2	64
93	Understanding and Designing Oxygen Reduction/Evolution Reaction (ORR/OER) Catalysts By Combining Experimental and Ab-Initio Studies. <i>ECS Meeting Abstracts</i> , 2018, , .	0.0	0
94	Micro-grooves design to modify the thermo-capillary migration of paraffin oil. <i>Meccanica</i> , 2017, 52, 171-181.	2.0	18
95	On the migration of a droplet on an incline. <i>Journal of Colloid and Interface Science</i> , 2017, 494, 8-14.	9.4	13
96	Friction Reduction of Chrome-Coated Surface with Micro-Dimple Arrays Generated by Electrochemical Micromachining. <i>Journal of Materials Engineering and Performance</i> , 2017, 26, 667-675.	2.5	12
97	Advanced adhesion and friction measurement system. <i>Measurement Science and Technology</i> , 2017, 28, 035601.	2.6	10
98	Insights into the influence of additives on the thermal gradient induced migration of lubricant. <i>Lubrication Science</i> , 2017, 29, 17-29.	2.1	4
99	Design of ultralong single-crystal nanowire-based bifunctional electrodes for efficient oxygen and hydrogen evolution in a mild alkaline electrolyte. <i>Journal of Materials Chemistry A</i> , 2017, 5, 10895-10901.	10.3	23
100	The load carrying capacity of textured sliding bearings with elastic deformation. <i>Tribology International</i> , 2017, 109, 86-96.	5.9	45
101	Investigation of porous polyimide lubricant retainers to improve the performance of rolling bearings under conditions of starved lubrication. <i>Wear</i> , 2017, 380-381, 52-58.	3.1	74
102	Electrical Sliding Friction Lubricated with Ionic Liquids. <i>Tribology Letters</i> , 2017, 65, 1.	2.6	23
103	Tuning Shell Numbers of Transition Metal Oxide Hollow Microspheres toward Durable and Superior Lithium Storage. <i>ACS Nano</i> , 2017, 11, 11521-11530.	14.6	88
104	Elastic support of magnetic fluids bearing. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 435004.	2.8	10
105	The thermal capillary migration properties and controlling technique of ferrofluids. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2017, 231, 1441-1449.	1.8	5
106	Carbon-Coated Silicon Nanowires on Carbon Fabric as Self-Supported Electrodes for Flexible Lithium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 9551-9558.	8.0	101
107	The Wear Behavior of Textured Steel Sliding against Polymers. <i>Materials</i> , 2017, 10, 330.	2.9	17
108	Enhanced Reversible Sodium-Ion Intercalation by Synergistic Coupling of Few-Layered MoS ₂ and S-Doped Graphene. <i>Advanced Functional Materials</i> , 2017, 27, 1702562.	14.9	132

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109	Flexible High Performance Lithium Ion Battery Electrode Based on Free-Standing TiO ₂ Nanocrystals/Carbon Cloth Composite. ECS Meeting Abstracts, 2017, , .	0.0	0
110	Subeutectic Growth of Carbon-Coated Silicon Nanowires on Carbon Fabric As Self-Supported Electrodes for Flexible Lithium-Ion Batteries. ECS Meeting Abstracts, 2017, , .	0.0	0
111	Flexible, Three-Dimensional Ordered Macroporous TiO ₂ Electrode with Enhanced Electrode-Electrolyte Interaction in High-Power Li-Ion Batteries. ECS Meeting Abstracts, 2017, , .	0.0	0
112	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. Angewandte Chemie - International Edition, 2016, 55, 4977-4982.	13.8	258
113	Batteries: Gas Pickering Emulsion Templated Hollow Carbon for High Rate Performance Lithium Sulfur Batteries (Adv. Funct. Mater. 46/2016). Advanced Functional Materials, 2016, 26, 8563-8563.	14.9	1
114	Flexible, three-dimensional ordered macroporous TiO ₂ electrode with enhanced electrode-electrolyte interaction in high-power Li-ion batteries. Nano Energy, 2016, 24, 72-77.	16.0	91
115	Insights into the effect of thermocapillary migration of droplet on lubrication. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2016, 230, 583-590.	1.8	7
116	No migration of ionic liquid under temperature gradient. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 167-170.	4.7	8
117	Structural and chemical synergistic encapsulation of polysulfides enables ultralong-life lithium-sulfur batteries. Energy and Environmental Science, 2016, 9, 2533-2538.	30.8	330
118	Flexible high performance lithium ion battery electrode based on a free-standing TiO ₂ nanocrystals/carbon cloth composite. RSC Advances, 2016, 6, 35479-35485.	3.6	12
119	Highly Oriented Graphene Sponge Electrode for Ultra High Energy Density Lithium Ion Hybrid Capacitors. ACS Applied Materials & Interfaces, 2016, 8, 25297-25305.	8.0	59
120	Development of a triazole class of highly potent Porcn inhibitors. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5891-5895.	2.2	20
121	Gas Pickering Emulsion Templated Hollow Carbon for High Rate Performance Lithium Sulfur Batteries. Advanced Functional Materials, 2016, 26, 8408-8417.	14.9	98
122	Thermocapillary Migration of Liquid Droplets Induced by a Unidirectional Thermal Gradient. Langmuir, 2016, 32, 7485-7492.	3.5	57
123	High-performance flexible electrode based on electrodeposition of polypyrrole/MnO ₂ on carbon cloth for supercapacitors. Journal of Power Sources, 2016, 326, 357-364.	7.8	81
124	Sticking/climbing ability and morphology studies of the toe pads of Chinese fire belly newt. Journal of Bionic Engineering, 2016, 13, 115-123.	5.0	22
125	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. Angewandte Chemie, 2016, 128, 5061-5066.	2.0	20
126	Ionic liquid lubrication at electrified interfaces. Journal Physics D: Applied Physics, 2016, 49, 225301.	2.8	21

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127	Comparison of the Load-Carrying Performance of Mechanical Gas Seals Textured With Microgrooves and Microdimples. <i>Journal of Tribology</i> , 2016, 138, .	1.9	32
128	A multi-phase micro-abrasive jet machining technique for the surface texturing of mechanical seals. <i>International Journal of Advanced Manufacturing Technology</i> , 2016, 86, 2047-2054.	3.0	28
129	Implementing an in-situ carbon network in Si/reduced graphene oxide for high performance lithium-ion battery anodes. <i>Nano Energy</i> , 2016, 19, 187-197.	16.0	148
130	A Hybrid Method for the Segmentation of a Ferrograph Image Using Marker-Controlled Watershed and Grey Clustering. <i>Tribology Transactions</i> , 2016, 59, 513-521.	2.0	18
131	Sulfur Nanogranular Film-Coated Three-Dimensional Graphene Sponge-Based High Power Lithium Sulfur Battery. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 1984-1991.	8.0	63
132	Controlling lubricant migration using ferrofluids. <i>Tribology International</i> , 2016, 93, 318-323.	5.9	12
133	Ferrofluids lubrication: a status report. <i>Lubrication Science</i> , 2016, 28, 3-26.	2.1	40
134	Structural and Chemical Synergistic Encapsulation of Polysulfides Enables Ultralong-Life Lithium-Sulfur Batteries. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
135	Sulfur Atoms Bridging Few-Layered MoS ₂ with S-Doped Graphene Enables Highly Robust Anode for Lithium-Ion Batteries. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
136	Pomegranate-Inspired Design of Highly Active and Durable Bifunctional Electrocatalysts for Rechargeable Metal-Air Batteries. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
137	Flexible, Three-Dimensional Ordered Macroporous TiO ₂ Electrode with Enhanced Electrode-Electrolyte Interaction in High-Power Li-Ionbatteries. <i>ECS Meeting Abstracts</i> , 2016, , .	0.0	0
138	Vanadium Pentoxide Nanorods Anchored to and Wrapped with Graphene Nanosheets for High-Power Asymmetric Supercapacitors. <i>ChemElectroChem</i> , 2015, 2, 1264-1269.	3.4	31
139	Sulfur Atoms Bridging Few-Layered MoS ₂ with S-Doped Graphene Enable Highly Robust Anode for Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , 2015, 5, 1501106.	19.5	165
140	Design principles for the area density of dimple patterns. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2015, 229, 538-546.	1.8	49
141	Sulfur covalently bonded graphene with large capacity and high rate for high-performance sodium-ion batteries anodes. <i>Nano Energy</i> , 2015, 15, 746-754.	16.0	164
142	Composites of MnO ₂ nanocrystals and partially graphitized hierarchically porous carbon spheres with improved rate capability for high-performance supercapacitors. <i>Carbon</i> , 2015, 93, 258-265.	10.3	56
143	Composition design of Ni-nano-Al ₂ O ₃ -PTFE coatings and their tribological characteristics. <i>Surface and Coatings Technology</i> , 2015, 282, 121-128.	4.8	43
144	Comparisons of Tribological Properties of Ti(C,N)/SiC in Water and Seawater. <i>Journal of Tribology</i> , 2015, 137, .	1.9	5

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145	Syntheses of sceptrings and nakamuric acid and insights into the biosyntheses of pyrrole-imidazole dimers. <i>Organic Chemistry Frontiers</i> , 2015, 2, 978-984.	4.5	15
146	±-NiS grown on reduced graphene oxide and single-wall carbon nanotubes as electrode materials for high-power supercapacitors. <i>RSC Advances</i> , 2015, 5, 27940-27945.	3.6	24
147	Fast lithium-ion storage of Nb ₂ O ₅ nanocrystals in situ grown on carbon nanotubes for high-performance asymmetric supercapacitors. <i>RSC Advances</i> , 2015, 5, 41179-41185.	3.6	51
148	Evidence of covalent synergy in silicon-sulfur-graphene yielding highly efficient and long-life lithium-ion batteries. <i>Nature Communications</i> , 2015, 6, 8597.	12.8	163
149	Highly Active and Durable Nanocrystal-Decorated Bifunctional Electrocatalyst for Rechargeable Zinc-Air Batteries. <i>ChemSusChem</i> , 2015, 8, 3129-3138.	6.8	57
150	Bioinspired, peg-studded hexagonal patterns for wetting and friction. <i>Biointerphases</i> , 2015, 10, 031008.	1.6	25
151	A Surface Texture Design to Obstruct the Liquid Migration Induced by Omnidirectional Thermal Gradients. <i>Langmuir</i> , 2015, 31, 10154-10160.	3.5	23
152	An approach for the synthesis of nakamuric acid. <i>Tetrahedron</i> , 2015, 71, 3690-3693.	1.9	16
153	An evaluation method for the segmentation of ferrograph image based on grey relational analysis. , 2014, , .		0
154	3D Nanocomposite Architectures from Carbon Nanotube-Threaded Nanocrystals for High-Performance Electrochemical Energy Storage. <i>Advanced Materials</i> , 2014, 26, 339-345.	21.0	125
155	The segmentation of wear particles in ferrograph images based on an improved ant colony algorithm. <i>Wear</i> , 2014, 311, 123-129.	3.1	41
156	Dimeric pyrrole-imidazole alkaloids: synthetic approaches and biosynthetic hypotheses. <i>Chemical Communications</i> , 2014, 50, 8628-8639.	4.1	59
157	High Performance Porous Anode Based on Template-Free Synthesis of Co ₃ O ₄ Nanowires for Lithium-Ion Batteries. <i>Electrochimica Acta</i> , 2014, 139, 145-151.	5.2	37
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