Ben Xu

List of Publications by Year
in descending order

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152 papers	8,441 citations	50566 48 h-index	56606 87 g-index
153 all docs	153 docs citations	153 times ranked	8507 citing authors

#	Article	IF	Citations
1	Influence of mass ratio and calcination temperature on physical and photoelectrochemical properties of ZnFe-layered double oxide/cobalt oxide heterojunction semiconductor for dye degradation applications. Particuology, 2023, 74, 141-155.	2.0	40
2	Demystifying integrated power and desalination processes evaluation based on standard primary energy approach. Thermal Science and Engineering Progress, 2022, 27, 101153.	1.3	3
3	Masks for COVIDâ€19. Advanced Science, 2022, 9, e2102189.	5.6	89
4	Conformally anodizing hierarchical structure in a deformed tube towards energy-saving liquid transportation. Chemical Engineering Journal, 2022, 431, 133746.	6.6	1
5	Cu2O nano-flowers/graphene enabled scaffolding structure catalyst layer for enhanced CO2 electrochemical reduction. Applied Catalysis B: Environmental, 2022, 305, 121022.	10.8	29
6	Enhanced electromagnetic wave absorption of engineered epoxy nanocomposites with the assistance of polyaniline fillers. Advanced Composites and Hybrid Materials, 2022, 5, 1769-1777.	9.9	78
7	Supramolecular Network Structured Gel Polymer Electrolyte with High Ionic Conductivity for Lithium Metal Batteries. Small, 2022, 18, e2106352.	5.2	19
8	Lithiophilic sites dependency of lithium deposition in Li metal host anodes. Nano Energy, 2022, 94, 106883.	8.2	41
9	Hybrid Design of Bulkâ€Na Metal Anode to Minimize Cycleâ€Induced Interface Deterioration of Solid Na Metal Battery. Advanced Energy Materials, 2022, 12, .	10.2	25
10	Electrolyte Salts and Additives Regulation Enables High Performance Aqueous Zinc Ion Batteries: A Mini Review. Small, 2022, 18, e2104640.	5.2	69
11	A Structural Gel Composite Enabled Robust Underwater Mechanosensing Strategy with High Sensitivity. Advanced Functional Materials, 2022, 32, .	7.8	66
12	Improving thermal conductivity of polyethylene/polypropylene by styrene-ethylene-propylene-styrene wrapping hexagonal boron nitride at the phase interface. Advanced Composites and Hybrid Materials, 2022, 5, 1090-1099.	9.9	85
13	Ion Hopping: Design Principles for Strategies to Improve Ionic Conductivity for Inorganic Solid Electrolytes. Small, 2022, 18, e2107064.	5.2	23
14	Hydrogel Bioadhesives with Extreme Acidâ€Tolerance for Gastric Perforation Repairing. Advanced Functional Materials, 2022, 32, .	7.8	41
15	Polyhedral Carbon Anchored on Carbon Nanosheet with Abundant Atomic Feâ€N_x Moieties for Oxygen Reduction. Advanced Materials Interfaces, 2022, 9, .	1.9	1
16	Regulating Dendriteâ€Free Zinc Deposition by Red Phosphorousâ€Derived Artificial Protective Layer for Zinc Metal Batteries. Advanced Science, 2022, 9, e2200155.	5.6	41
17	Vertically Aligned Silicon Carbide Nanowires/Boron Nitride Cellulose Aerogel Networks Enhanced Thermal Conductivity and Electromagnetic Absorbing of Epoxy Composites. Nano-Micro Letters, 2022, 14, 118.	14.4	186
18	Mass transfer effect to electrochemical reduction of CO2: Electrode, electrocatalyst and electrolyte. Journal of Energy Storage, 2022, 52, 104764.	3.9	39

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19	Polyhedral Carbon Anchored on Carbon Nanosheet with Abundant Atomic Feâ€N_x Moieties for Oxygen Reduction (Adv. Mater. Interfaces 15/2022). Advanced Materials Interfaces, 2022, 9, .	1.9	0
20	Engineering hierarchical heterostructure material based on metal-organic frameworks and cotton fiber for high-efficient microwave absorber. Nano Research, 2022, 15, 6841-6850.	5.8	59
21	Hydrothermal Microwave Synthesis of Co₃O₄/In₂O₃ Nanostructures for Photoelectrocatalytic Reduction of Cr(VI). ACS Applied Nano Materials, 2022, 5, 8755-8766.	2.4	43
22	Overview of MXene and conducting polymer matrix composites for electromagnetic wave absorption. Advanced Composites and Hybrid Materials, 2022, 5, 704-754.	9.9	133
23	Thermo-magnetic loading effects on high-frequency dynamic behaviour of magnetic shape memory alloys. European Journal of Mechanics, A/Solids, 2022, 96, 104725.	2.1	1
24	A robust, highly reversible, mixed conducting sodium metal anode. Science Bulletin, 2021, 66, 179-186.	4.3	29
25	Sessile Microdropletâ€Based Writing Board for Patterning of Structural Colored Hydrogels. Advanced Materials Interfaces, 2021, 8, 2001201.	1.9	6
26	Controlled Cooperative Wetting Enabled Heterogeneous Structured 3D Morphing Transducers. Advanced Materials Interfaces, 2021, 8, 2001211.	1.9	0
27	Intrinsic high thermal conductive liquid crystal epoxy film simultaneously combining with excellent intrinsic self-healing performance. Journal of Materials Science and Technology, 2021, 68, 209-215.	5.6	132
28	A spatiotemporal indirect evaporative cooler enabled by transiently interceding water mist. Energy, 2021, 217, 119352.	4.5	38
29	Partial leaching effect to Pt decorated <scp>Pdâ€Fe</scp> /C nanoparticles for oxygen reduction reaction. International Journal of Energy Research, 2021, 45, 6262-6272.	2.2	3
30	Interface Engineering of Air Electrocatalysts for Rechargeable Zincâ€“Air Batteries. Advanced Energy Materials, 2021, 11, 2002762.	10.2	129
31	Biaxially Morphing Droplet Shape by an Active Surface. Advanced Materials Interfaces, 2021, 8, 2001199.	1.9	9
32	Wettingâ€Empowered Surface Functions for Engineering Applications. Advanced Materials Interfaces, 2021, 8, 2001914.	1.9	3
33	Highly Efficient Urea Oxidation via Nesting Nano-Nickel Oxide in Eggshell Membrane-Derived Carbon. ACS Sustainable Chemistry and Engineering, 2021, 9, 1703-1713.	3.2	85
34	A highly controlled fabrication of porous anodic aluminium oxide surface with versatile features by spatial thermo-anodization. Surface and Coatings Technology, 2021, 408, 126809.	2.2	6
35	Significant Reduction of Interfacial Thermal Resistance and Phonon Scattering in Graphene/Polyimide Thermally Conductive Composite Films for Thermal Management. Research, 2021, 2021, 8438614.	2.8	82
36	Experimental Investigations of a Solar Water Treatment System for Remote Desert Areas of Pakistan. Water (Switzerland), 2021, 13, 1070.	1.2	8

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37	Cobalt nickel boride nanocomposite as high-performance anode catalyst for direct borohydride fuel cell. International Journal of Hydrogen Energy, 2021, 46, 15471-15481.	3.8	20
38	Porous Bilayer Electrodeâ€Guided Gas Diffusion for Enhanced CO₂ Electrochemical Reduction. Advanced Energy and Sustainability Research, 2021, 2, 2100083.	2.8	10
39	Optimizing the energy recovery section in thermal desalination systems for improved thermodynamic, economic, and environmental performance. International Communications in Heat and Mass Transfer, 2021, 124, 105244.	2.9	26
40	Experimental and normalized sensitivity based numerical analyses of a novel humidifier-assisted highly efficient indirect evaporative cooler. International Communications in Heat and Mass Transfer, 2021, 125, 105327.	2.9	14
41	A Tunable Morphing Polyelectrolyte System for Smart Ocular Applications. , 2021, , .		0
42	Spatially and Reversibly Actuating Soft Gel Structure by Harnessing Multimode Elastic Instabilities. ACS Applied Materials & Interfaces, 2021, 13, 36361-36369.	4.0	8
43	Conversionâ€Alloying Anode Materials for Sodium Ion Batteries. Small, 2021, 17, e2101137.	5.2	102
44	Fiber Surface/Interfacial Engineering on Wearable Electronics. Small, 2021, 17, e2102903.	5.2	17
45	Amino Acidâ€Induced Interface Charge Engineering Enables Highly Reversible Zn Anode. Advanced Functional Materials, 2021, 31, 2103514.	7.8	156
46	Ultrastretchable, Highly Transparent, Self-Adhesive, and 3D-Printable Ionic Hydrogels for Multimode Tactical Sensing. Chemistry of Materials, 2021, 33, 6731-6742.	3.2	48
47	Structural Design Strategies of Polymer Matrix Composites for Electromagnetic Interference Shielding: A Review. Nano-Micro Letters, 2021, 13, 181.	14.4	283
48	Reversible Magnesium Metal Anode Enabled by Cooperative Solvation/Surface Engineering in Carbonate Electrolytes. Nano-Micro Letters, 2021, 13, 195.	14.4	24
49	An exergoeconomic and normalized sensitivity based comprehensive investigation of a hybrid power-and-water desalination system. Sustainable Energy Technologies and Assessments, 2021, 47, 101463.	1.7	3
50	Dendrite-free zinc anode enabled by zinc-chelating chemistry. Energy Storage Materials, 2021, 41, 515-521.	9.5	120
51	Understanding complex dynamics of interfacial reconstruction in polyampholyte hydrogels undergoing mechano-chemo-electrotaxis coupling. Journal Physics D: Applied Physics, 2021, 54, 085301.	1.3	8
52	Flexible Plasmonic Biosensors for Healthcare Monitoring: Progress and Prospects. ACS Nano, 2021, 15, 18822-18847.	7.3	78
53	Instant interfacial self-assembly for homogeneous nanoparticle monolayer enabled conformal â€œlift-onâ€•thin film technology. Science Advances, 2021, 7, eabk2852.	4.7	59
54	Bio-inspired adhesive and self-healing hydrogels as flexible strain sensors for monitoring human activities. Materials Science and Engineering C, 2020, 106, 110168.	3.8	45

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55	Synchronously improved electromagnetic interference shielding and thermal conductivity for epoxy nanocomposites by constructing 3D copper nanowires/thermally annealed graphene aerogel framework. Composites Part A: Applied Science and Manufacturing, 2020, 128, 105670.	3.8	489
56	Manganese hexacyanoferrate reinforced by PEDOT coating towards high-rate and long-life sodium-ion battery cathode. Journal of Materials Chemistry A, 2020, 8, 3222-3227.	5.2	73
57	Fabrication and investigation on ternary heterogeneous MWCNT@TiO2-C fillers and their silicone rubber wave-absorbing composites. Composites Part A: Applied Science and Manufacturing, 2020, 129, 105714.	3.8	133
58	A Gaâ€“Sn liquid metal-mediated structural cathode for Liâ€“O2 batteries. Materials Today Energy, 2020, 18, 100559.	2.5	3
59	Dynamic coordination of miscible polymer blends towards highly designable shape memory effect. Polymer, 2020, 208, 122946.	1.8	7
60	A broadband and tunable microwave absorption technology enabled by VGCFs/PDMS-EP shape memory composites. Composite Structures, 2020, 238, 111954.	3.1	30
61	Liquid Marbles in Liquid. Small, 2020, 16, e2002802.	5.2	11
62	Planar selective Leidenfrost propulsion without physically structured substrates or walls. Applied Physics Letters, 2020, 117, .	1.5	8
63	Polymer Electret Improves the Performance of the Oxygen-Doped Organic Field-Effect Transistors. IEEE Electron Device Letters, 2020, 41, 1665-1668.	2.2	9
64	Controllable Synthesis of Upconversion Nanophosphors toward Scaleâ€Up Productions. Particle and Particle Systems Characterization, 2020, 37, 2000129.	1.2	14
65	Superior wave-absorbing performances of silicone rubber composites via introducing covalently bonded SnO2@MWCNT absorbent with encapsulation structure. Composites Communications, 2020, 22, 100486.	3.3	136
66	Ultraelastic Yarns from Curcuminâ€Assisted ELD toward Wearable Humanâ€“Machine Interface Textiles. Advanced Science, 2020, 7, 2002009.	5.6	46
67	Half-Sphere Shell Supported Pt Catalyst for Electrochemical Methanol Oxidation. Journal of the Electrochemical Society, 2020, 167, 084510.	1.3	5
68	A Facile Surface Preservation Strategy for the Lithium Anode for High-Performance Liâ€“O₂ Batteries. ACS Applied Materials & Interfaces, 2020, 12, 27316-27326.	4.0	12
69	Hyperbranched Poly(esterâ€enamine) from Spontaneous Aminoâ€yne Click Reaction for Stabilization of Gold Nanoparticle Catalysts. Chemistry - an Asian Journal, 2020, 15, 2499-2504.	1.7	9
70	A flexible topo-optical sensing technology with ultra-high contrast. Nature Communications, 2020, 11, 1448.	5.8	14
71	Nickel Oxide Immobilized on the Carbonized Eggshell Membrane for Electrochemical Detection of Urea. Journal of the Electrochemical Society, 2020, 167, 106509.	1.3	25
72	Ultraflexible and Mechanically Strong Double-Layered Aramid Nanofiberâ€“Ti₃C₂T_x MXene/Silver Nanowire Nanocomposite Papers for High-Performance Electromagnetic Interference Shielding. ACS Nano, 2020, 14, 8368-8382.	7.3	566

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73	Interfacial Interaction Enhanced Rheological Behavior in PAM/CTAC/Salt Aqueous Solutionâ€"A Coarse-Grained Molecular Dynamics Study. Polymers, 2020, 12, 265.	2.0	5
74	Stretchable Self-Healing Polymeric Networks with Recyclability and Dual Responsiveness. ACS Applied Polymer Materials, 2020, 2, 1065-1072.	2.0	27
75	Three-Dimensional Tetrapodal ZnO Microstructured Network Based Flexible Surface Acoustic Wave Device for Ultraviolet and Respiration Monitoring Applications. ACS Applied Nano Materials, 2020, 3, 1468-1478.	2.4	33
76	A stimuli-responsive gel impregnated surface with switchable lipophilic/oleophobic properties. Soft Matter, 2020, 16, 1636-1641.	1.2	6
77	In situ Carbon Modification of g-C3N4 from Urea co-Crystal with Enhanced Photocatalytic Activity Towards Degradation of Organic Dyes Under Visible Light. Chemical Research in Chinese Universities, 2020, 36, 1265-1271.	1.3	6
78	Electro- and photon-induced cooling in BNT-BT-SBET relaxors with in situ optical temperature sensing. Optics Letters, 2020, 45, 2391.	1.7	5
79	Biosafety of a 3D-printed intraocular lens made of a poly(acrylamide-co-sodium acrylate) hydrogel in vitro and in vivo. International Journal of Ophthalmology, 2020, 13, 1521-1530.	0.5	4
80	3D Shapeable, Superior Electrically Conductive Cellulose Nanofibers/Ti ₃ C ₂ T _x MXene Aerogels/Epoxy Nanocomposites for Promising EMI Shielding. Research, 2020, 2020, 4093732.	2.8	124
81	Spatially Engraving Morphological Structure on a Polymeric Surface by Ion Beam Milling. Polymers, 2019, 11, 1229.	2.0	4
82	Enhanced wave-absorbing performances of silicone rubber composites by incorporating C-SnO2-MWCNT absorbent with ternary heterostructure. Ceramics International, 2019, 45, 20282-20289.	2.3	50
83	Flexible Devices: A Natureâ€Inspired, Flexible Substrate Strategy for Future Wearable Electronics (Small) Tj ETQq1 1 0.784314 rgBT /Ov	5.2	5
84	Double-sided slippery liquid-infused porous materials using conformable mesh. Scientific Reports, 2019, 9, 13280.	1.6	22
85	A Universal Strategy to Fabricate Metal Sulfides@Carbon Fibers As Freestanding and Flexible Anodes for High-Performance Lithium/Sodium Storage. ACS Applied Energy Materials, 2019, 2, 4421-4427.	2.5	17
86	A Natureâ€Inspired, Flexible Substrate Strategy for Future Wearable Electronics. Small, 2019, 15, e1902440.	5.2	52
87	pH-responsive dithiomaleimide-amphiphilic block copolymer for drug delivery and cellular imaging. Journal of Colloid and Interface Science, 2019, 552, 439-447.	5.0	36
88	Flexible, strain gated logic transducer arrays enabled by initializing surface instability on elastic bilayers. APL Materials, 2019, 7, 031509.	2.2	7
89	Highly oriented three-dimensional structures of Fe3O4 decorated CNTs/reduced graphene oxide foam/epoxy nanocomposites against electromagnetic pollution. Composites Science and Technology, 2019, 181, 107683.	3.8	157
90	Enhancement of surface wettability via micro- and nanostructures by single point diamond turning. Nami Jishu Yu Jingmi Gongcheng/Nanotechnology and Precision Engineering, 2019, 2, 8-14.	1.7	19

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91	Poly(dimethylsilylene)diacetylene-Guided ZIF-Based Heterostructures for Full Ku-Band Electromagnetic Wave Absorption. ACS Applied Materials & Interfaces, 2019, 11, 17706-17713.	4.0	94
92	Constructing fully carbon-based fillers with a hierarchical structure to fabricate highly thermally conductive polyimide nanocomposites. Journal of Materials Chemistry C, 2019, 7, 7035-7044.	2.7	130
93	Fabrication on the annealed Ti3C2Tx MXene/Epoxy nanocomposites for electromagnetic interference shielding application. Composites Part B: Engineering, 2019, 171, 111-118.	5.9	326
94	Na₂Fe(SO₄)₂: an anhydrous 3.6ÂV, low-cost and good-safety cathode for a rechargeable sodium-ion battery. Journal of Materials Chemistry A, 2019, 7, 13197-13204.	5.2	32
95	In-situ pyrolyzed polymethylsilsesquioxane multi-walled carbon nanotubes derived ceramic nanocomposites for electromagnetic wave absorption. Ceramics International, 2019, 45, 11756-11764.	2.3	109
96	Advances in Biological Liquid Crystals. Small, 2019, 15, e1900019.	5.2	27
97	Low-Friction Self-Centering Droplet Propulsion and Transport Using a Leidenfrost Herringbone-Ratchet Structure. Physical Review Applied, 2019, 11, .	1.5	15
98	Fabrication and investigation on the PANI/MWCNT/thermally annealed graphene aerogel/epoxy electromagnetic interference shielding nanocomposites. Composites Part A: Applied Science and Manufacturing, 2019, 121, 265-272.	3.8	186
99	Recoverable and self-healing electromagnetic wave absorbing nanocomposites. Composites Science and Technology, 2019, 174, 27-32.	3.8	116
100	Correlations between Performance of Organic Solar Cells and Filmâ€Depthâ€Dependent Optical and Electronic Variations. Advanced Optical Materials, 2019, 7, 1900152.	3.6	43
101	The Influence of Different Factors on Rotor's Micro-Doppler Effects*. , 2019, , .		0
102	Advanced 3D Morphing Transducers by Smart Hydrogel Patterning. , 2019, , .		0
103	Constructing interconnected spherical hollow conductive networks in silver platelets/reduced graphene oxide foam/epoxy nanocomposites for superior electromagnetic interference shielding effectiveness. Nanoscale, 2019, 11, 22590-22598.	2.8	130
104	Cobalt-Doping Enhancing Electrochemical Performance of Silicon/Carbon Nanocomposite as Highly Efficient Anode Materials in Lithium-Ion Batteries. Engineered Science, 2019, , .	1.2	6
105	FSV-based evaluation of electromagnetic scattering characteristics of deformed target. , 2019, , .		0
106	Hierarchical Structures: Spatially Configuring Wrinkle Pattern and Multiscale Surface Evolution with Structural Confinement (Adv. Funct. Mater. 1/2018). Advanced Functional Materials, 2018, 28, 1870005.	7.8	0
107	Bioinspired nanoparticle spray-coating for superhydrophobic flexible materials with oil/water separation capabilities. Bioinspiration and Biomimetics, 2018, 13, 024001.	1.5	30
108	Spatially Configuring Wrinkle Pattern and Multiscale Surface Evolution with Structural Confinement. Advanced Functional Materials, 2018, 28, 1704228.	7.8	28

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109	Metal-Elastomer Surface Deformation Control on Super-Compressible Strain Transducer Arrays. , 2018, , .		0
110	Graphene Shield by SiBCN Ceramic: A Promising High-Temperature Electromagnetic Wave-Absorbing Material with Oxidation Resistance. ACS Applied Materials & Interfaces, 2018, 10, 39307-39318.	4.0	181
111	Reduction-responsive amphiphilic star copolymers with long-chain hyperbranched poly(Îµ-caprolactone) core and disulfide bonds for trigger release of anticancer drugs. European Polymer Journal, 2018, 108, 364-372.	2.6	17
112	High temperature self-healing SiBCN ceramics derived from hyperbranched polyborosilazanes. Advanced Composites and Hybrid Materials, 2018, 1, 506-517.	9.9	22
113	T-Nb₂O₅ nanoparticle enabled pseudocapacitance with fast Li-ion intercalation. Nanoscale, 2018, 10, 14165-14170.	2.8	29
114	Improved thermal conductivities in polystyrene nanocomposites by incorporating thermal reduced graphene oxide via electrospinning-hot press technique. Composites Communications, 2018, 10, 68-72.	3.3	117
115	A Highâ€Performance Direct Methanol Fuel Cell Technology Enabled by Mediating Highâ€Concentration Methanol through a Graphene Aerogel. Small Methods, 2018, 2, 1800138.	4.6	20
116	Drop transport and positioning on lubricant-impregnated surfaces. Soft Matter, 2017, 13, 3404-3410.	1.2	48
117	Responsive Hydrogels Based Lens Structure with Configurable Focal Length for Intraocular Lens (IOLs) Application. Macromolecular Symposia, 2017, 372, 127-131.	0.4	5
118	Spontaneous biaxial pattern generation and autonomous wetting switching on the surface of gold/shape memory polystyrene bilayer. Composites Part B: Engineering, 2017, 122, 9-15.	5.9	15
119	Drag reduction properties of superhydrophobic mesh pipes. Surface Topography: Metrology and Properties, 2017, 5, 034001.	0.9	26
120	Energy Invariance in Capillary Systems. Physical Review Letters, 2017, 118, 218003.	2.9	18
121	Test structures for stepwise deformation sensing on super-flexible strain sensors. , 2017, , .		1
122	Elastic instability induced mechano-responsive luminescence for super-flexible strain sensing. , 2017, , .		0
123	Reversible Electrochemically Triggered Delamination Blistering of Hydrogel Films on Micropatterned Electrodes. Advanced Functional Materials, 2016, 26, 3218-3225.	7.8	28
124	Leidenfrost transition temperature for stainless steel meshes. Materials Letters, 2016, 176, 205-208.	1.3	29
125	Ultra-high thermally conductive and rapid heat responsive poly(benzobisoxazole) nanocomposites with self-aligned graphene. Nanoscale, 2016, 8, 19984-19993.	2.8	123
126	Synergistic effects of carboxylic acid-functionalized carbon nanotube and nafion/silica nanofiber on electrical actuation efficiency of shape memory polymer nanocomposite. Composites Part B: Engineering, 2016, 100, 146-151.	5.9	49

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127	Low Friction Droplet Transportation on a Substrate with a Selective Leidenfrost Effect. ACS Applied Materials & Interfaces, 2016, 8, 22658-22663.	4.0	25
128	Annealing Effect on Structural, Functional, and Device Properties of Flexible ZnO Acoustic Wave Sensors Based on Commercially Available Al Foil. IEEE Transactions on Electron Devices, 2016, 63, 4535-4541.	1.6	16
129	Everâ€Increasing Pseudocapacitance in RGOâ€“MnOâ€“RGO Sandwich Nanostructures for Ultrahighâ€Rate Lithium Storage. Advanced Functional Materials, 2016, 26, 2198-2206.	7.8	238
130	Thermosetting epoxy resin/thermoplastic system with combined shape memory and self-healing properties. Smart Materials and Structures, 2016, 25, 015021.	1.8	54
131	Micro-mechanics of nanostructured carbon/shape memory polymer hybrid thin film. Soft Matter, 2016, 12, 106-114.	1.2	39
132	Enhanced electrocatalytic performance of Co3O4/Ketjen-black cathodes for Liâ€“O2 batteries. Journal of Alloys and Compounds, 2015, 653, 604-610.	2.8	13
133	Structural design of flexible Au electrode to enable shape memory polymer for electrical actuation. Smart Materials and Structures, 2015, 24, 045015.	1.8	13
134	Synergistic effect of siloxane modified aluminum nanopowders and carbon fiber on electrothermal efficiency of polymeric shape memory nanocomposite. Composites Part B: Engineering, 2015, 80, 1-6.	5.9	34
135	Spatially-confined lithiationâ€“delithiation in highly dense nanocomposite anodes towards advanced lithium-ion batteries. Energy and Environmental Science, 2015, 8, 1471-1479.	15.6	69
136	Elastic instabilities induced large surface strain sensing structures (EILS). , 2015, , .		0
137	Evaporation of Sessile Droplets on Slippery Liquid-Infused Porous Surfaces (SLIPS). Langmuir, 2015, 31, 11781-11789.	1.6	97
138	A promising cathode material of sodium ironâ€“nickel hexacyanoferrate for sodium ion batteries. Journal of Power Sources, 2015, 275, 45-49.	4.0	137
139	Mechanically Gated Electrical Switches by Creasing of Patterned Metal/Elastomer Bilayer Films. Advanced Materials, 2014, 26, 4381-4385.	11.1	55
140	Transition metal oxides for high performance sodium ion battery anodes. Nano Energy, 2014, 5, 60-66.	8.2	361
141	Lowâ€Voltage Switching of Crease Patterns on Hydrogel Surfaces. Advanced Materials, 2013, 25, 5555-5559.	11.1	35
142	Electro-Responsive Polystyrene Shape Memory Polymer Nanocomposites. Nanoscience and Nanotechnology Letters, 2012, 4, 814-820.	0.4	26
143	High molecular weight soft segment based polyethylene shape memory polymers. World Journal of Engineering, 2012, 9, 179-186.	1.0	1
144	High Performance Shape Memory Polyurethane Synthesized with High Molecular Weight Polyol as the Soft Segment. Applied Sciences (Switzerland), 2012, 2, 535-548.	1.3	49

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145	Unusual enhancement in electrical conductivity of tin oxide thin films with zinc doping. Physical Chemistry Chemical Physics, 2011, 13, 5760.	1.3	18
146	Synthesis and Characterization of Polyurethaneâ€Based Shapeâ€Memory Polymers for Tailored T_g around Body Temperature for Medical Applications. Macromolecular Chemistry and Physics, 2011, 212, 592-602.	1.1	71
147	Thermal-Mechanical Properties of Polyurethane-Clay Shape Memory Polymer Nanocomposites. Polymers, 2010, 2, 31-39.	2.0	38
148	Characterization of spark plasma sintered Ag nanopowders. Nanotechnology, 2010, 21, 115707.	1.3	26
149	Thermo-mechanical properties of polystyrene-based shape memory nanocomposites. Journal of Materials Chemistry, 2010, 20, 3442.	6.7	86
150	Mechanical properties of attapulgite clay reinforced polyurethane shape-memory nanocomposites. European Polymer Journal, 2009, 45, 1904-1911.	2.6	108
151	A Green Thermally-Driven Seawater Desalination System: Proof of Concept and Vision for Future Sustainability. SSRN Electronic Journal, 0, , .	0.4	0
152	Performance Evaluation of Desalination Technologies at Common Energy Platform. , 0, , .		0