Changdong Gu

List of Publications by Citations

200 papers	13,498 citations	64 h-index	111 g-index
204 ext. papers	15,018 ext. citations	7.7 avg, IF	6.67 L-index

#	Paper	IF	Citations
200	High-quality metal oxide core/shell nanowire arrays on conductive substrates for electrochemical energy storage. *ACS Nano*, **2012**, 6, 5531-8	16.7	897
199	Self-supported hydrothermal synthesized hollow Co3O4 nanowire arrays with high supercapacitor capacitance. *Journal of Materials Chemistry*, **2011**, 21, 9319		614
198	Hierarchical NiCo2O4@NiCo2O4 core/shell nanoflake arrays as high-performance supercapacitor materials. *ACS Applied Materials & Interfaces*, **2013**, 5, 8790-5	9.5	436
197	Freestanding Co3O4 nanowire array for high performance supercapacitors. *RSC Advances*, **2012**, 2, 1835	3.7	366
196	Electrochromic properties of porous NiO thin films prepared by a chemical bath deposition. *Solar Energy Materials and Solar Cells*, **2008**, 92, 628-633	6.4	325
195	Mesoporous Co3O4 monolayer hollow-sphere array as electrochemical pseudocapacitor material. *Chemical Communications*, **2011**, 47, 5786-8	5.8	288
194	Hierarchically porous NiO film grown by chemical bath deposition via a colloidal crystal template as an electrochemical pseudocapacitor material. *Journal of Materials Chemistry*, **2011**, 21, 671-679		259
193	Graphene sheet/porous NiO hybrid film for supercapacitor applications. *Chemistry - A European Journal*, **2011**, 17, 10898-905	4.8	246
192	Metal oxide/hydroxide-based materials for supercapacitors. *RSC Advances*, **2014**, 4, 41910-41921	3.7	235
191	Tribological Behavior of Carbon-Nanotube-Filled PTFE Composites. *Tribology Letters*, **2003**, 15, 275-278	2.8	232
190	Hydrothermally synthesized WO3 nanowire arrays with highly improved electrochromic performance. *Journal of Materials Chemistry*, **2011**, 21, 5492		231
189	One-dimension MnCo2O4 nanowire arrays for electrochemical energy storage. *Electrochimica Acta*, **2014**, 116, 467-474	6.7	219
188	Growth and Photocatalytic Activity of Dendrite-like Heterostructure Nanocrystals. *Crystal Growth and Design*, **2009**, 9, 3278-3285	3.5	194
187	Co3O4 core shell nanowire array as an advanced anode material for lithium ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 15056		187
186	Electrochemical synthesis of silver polyhedrons and dendritic films with superhydrophobic surfaces. *Langmuir*, **2008**, 24, 12010-6	4	177
185	Robust Slippery Coating with Superior Corrosion Resistance and Anti-Icing Performance for AZ31B Mg Alloy Protection. *ACS Applied Materials & Interfaces*, **2017**, 9, 11247-11257	9.5	174
184	Deep eutectic solvents (DESs)-derived advanced functional materials for energy and environmental applications: challenges, opportunities, and future vision. *Journal of Materials Chemistry A*, **2017**, 5, 8209-8229	13	174

183	One-step fabrication of nanostructured Ni film with lotus effect from deep eutectic solvent. *Langmuir*, **2011**, 27, 10132-40	4	164
182	Periodic stacking of 2D charged sheets: Self-assembled superlattice of NiAl layered double hydroxide (LDH) and reduced graphene oxide. *Nano Energy*, **2016**, 20, 185-193	17.1	162
181	High corrosion-resistance nanocrystalline Ni coating on AZ91D magnesium alloy. *Surface and Coatings Technology*, **2006**, 200, 5413-5418	4.4	156
180	An all-solid-state electrochromic device based on NiO/WO3 complementary structure and solid hybrid polyelectrolyte. *Solar Energy Materials and Solar Cells*, **2009**, 93, 1840-1845	6.4	147
179	Spherical NiO-C composite for anode material of lithium ion batteries. *Electrochimica Acta*, **2007**, 52, 4177-4181	6.7	143
178	Advances in coatings on biodegradable magnesium alloys. *Journal of Magnesium and Alloys*, **2020**, 8, 42-658		141
177	Tribological properties of carbon-nanotube-reinforced copper composites. *Tribology Letters*, **2001**, 10, 225-228	2.8	136
176	A three-dimensional hierarchical Fe2O3@NiO core/shell nanorod array on carbon cloth: a new class of anode for high-performance lithium-ion batteries. *Nanoscale*, **2013**, 5, 7906-12	7.7	131
175	Morphology effect on the electrochromic and electrochemical performances of NiO thin films. *Electrochimica Acta*, **2008**, 53, 5721-5724	6.7	129
174	Electrochromic behavior of WO3 nanotree films prepared by hydrothermal oxidation. *Solar Energy Materials and Solar Cells*, **2011**, 95, 2107-2112	6.4	127
173	A study and application of zinc phosphate coating on AZ91D magnesium alloy. *Surface and Coatings Technology*, **2006**, 200, 3021-3026	4.4	127
172	Porous reduced graphene oxide sheet wrapped silicon composite fabricated by steam etching for lithium-ion battery application. *Journal of Power Sources*, **2015**, 286, 431-437	8.9	124
171	Multicolor electrochromic polyanilineWO3 hybrid thin films: One-pot molecular assembling synthesis. *Journal of Materials Chemistry*, **2011**, 21, 17316		121
170	Electroless NiP plating on AZ91D magnesium alloy from a sulfate solution. *Journal of Alloys and Compounds*, **2005**, 391, 104-109	5.7	119
169	Ni2P/Graphene Sheets as Anode Materials with Enhanced Electrochemical Properties versus Lithium. *Journal of Physical Chemistry C*, **2012**, 116, 22217-22225	3.8	118
168	Controllable Synthesis of a Monophase Nickel Phosphide/Carbon (Ni5P4/C) Composite Electrode via Wet-Chemistry and a Solid-State Reaction for the Anode in Lithium Secondary Batteries. *Advanced Functional Materials*, **2012**, 22, 3927-3935	15.6	118
167	Co-doped NiO nanoflake array films with enhanced electrochromic properties. *Journal of Materials Chemistry C*, **2014**, 2, 7013-7021	7.1	110
166	Electrodeposition of NiCo alloys from a deep eutectic solvent. *Surface and Coatings Technology*, **2012**, 206, 3632-3638	4.4	108

165	Enhanced tensile ductility in an electrodeposited nanocrystalline Ni. *Scripta Materialia*, **2006**, 54, 579-584	5.6	104
164	Growth of vertically aligned hierarchical WO3 nano-architecture arrays on transparent conducting substrates with outstanding electrochromic performance. *Solar Energy Materials and Solar Cells*, **2014**, 124, 103-110	6.4	99
163	Self-assembly of Si/honeycomb reduced graphene oxide composite film as a binder-free and flexible anode for Li-ion batteries. *Journal of Materials Chemistry A*, **2014**, 2, 5834-5840	13	98
162	Electroless Ni□P deposition plus zinc phosphate coating on AZ91D magnesium alloy. *Surface and Coatings Technology*, **2006**, 200, 5956-5962	4.4	96
161	Facile synthesis of Ni-coated Ni2P for supercapacitor applications. *CrystEngComm*, **2013**, 15, 7071	3.3	95
160	Hollow metallic 1T MoS2 arrays grown on carbon cloth: a freestanding electrode for sodium ion batteries. *Journal of Materials Chemistry A*, **2018**, 6, 18318-18324	13	94
159	NiO nanoflakes grown on porous graphene frameworks as advanced electrochemical pseudocapacitor materials. *Journal of Power Sources*, **2014**, 259, 98-105	8.9	91
158	High corrosion-resistant Ni□P/Ni/Ni□P multilayer coatings on steel. *Surface and Coatings Technology* , **2005**, 197, 61-67	4.4	91
157	Efficient electrochromic materials based on TiO2@WO3 core/shell nanorod arrays. *Solar Energy Materials and Solar Cells*, **2013**, 117, 231-238	6.4	90
156	Enhanced electrochromic performance of macroporous WO3 films formed by anodic oxidation of DC-sputtered tungsten layers. *Electrochimica Acta*, **2010**, 55, 6953-6958	6.7	86
155	Simple synthesis of surface-modified hierarchical copper oxide spheres with needle-like morphology as anode for lithium ion batteries. *Electrochimica Acta*, **2010**, 55, 1820-1824	6.7	86
154	Integrated 3D porous C-MoS2/nitrogen-doped graphene electrode for high capacity and prolonged stability lithium storage. *Journal of Power Sources*, **2015**, 296, 392-399	8.9	84
153	Ionothermal synthesis and lithium storage performance of core/shell structured amorphous@crystalline Ni□P nanoparticles. *CrystEngComm*, **2012**, 14, 7942	3.3	84
152	Hierarchical structure Ti-doped WO3 film with improved electrochromism in visible-infrared region. *RSC Advances*, **2013**, 3, 6896	3.7	83
151	A Newly Designed Composite Gel Polymer Electrolyte Based on Poly(Vinylidene Fluoride-Hexafluoropropylene) (PVDF-HFP) for Enhanced Solid-State Lithium-Sulfur Batteries. *Chemistry - A European Journal*, **2017**, 23, 15203-15209	4.8	82
150	Corrosion resistance of AZ31B magnesium alloy with a conversion coating produced from a choline chloride□urea based deep eutectic solvent. *Corrosion Science*, **2016**, 106, 108-116	6.8	79
149	Three-dimensional porous nano-Ni supported silicon composite film for high-performance lithium-ion batteries. *Journal of Power Sources*, **2012**, 213, 106-111	8.9	79
148	A poly (vinylidene fluoride-hexafluoropropylene) based three-dimensional network gel polymer electrolyte for solid-state lithium-sulfur batteries. *Chemical Engineering Journal*, **2019**, 358, 1047-1053	14.7	79

147	Enhanced high rate properties of ordered porous Cu2O film as anode for lithium ion batteries. *Electrochimica Acta*, **2010**, 55, 4921-4925	6.7	75
146	Self-assembly silicon/porous reduced graphene oxide composite film as a binder-free and flexible anode for lithium-ion batteries. *Electrochimica Acta*, **2015**, 156, 86-93	6.7	73
145	Rationally Designed Silicon Nanostructures as Anode Material for Lithium-Ion Batteries. *Advanced Engineering Materials*, **2018**, 20, 1700591	3.5	72
144	A novel durable double-conductive core-shell structure applying to the synthesis of silicon anode for lithium ion batteries. *Journal of Power Sources*, **2018**, 384, 207-213	8.9	71
143	Constructed TiO2/NiO Core/Shell Nanorod Array for Efficient Electrochromic Application. *Journal of Physical Chemistry C*, **2014**, 118, 6690-6696	3.8	71
142	Binder-free network-enabled MoS2-PPY-rGO ternary electrode for high capacity and excellent stability of lithium storage. *Journal of Power Sources*, **2016**, 307, 510-518	8.9	70
141	NiO electrode for methanol electro-oxidation: Mesoporous vs. nanoparticulate. *International Journal of Hydrogen Energy*, **2014**, 39, 10892-10901	6.7	69
140	A peanut-like hierarchical micro/nano-Li1.2Mn0.54Ni0.18Co0.08O2 cathode material for lithium-ion batteries with enhanced electrochemical performance. *Journal of Materials Chemistry A*, **2015**, 3, 14291-14297	13	66
139	Enhanced electrochromic performance of highly ordered, macroporous WO3 arrays electrodeposited using polystyrene colloidal crystals as template. *Electrochimica Acta*, **2013**, 99, 1-8	6.7	66
138	Micro/nanobinary structure of silver films on copper alloys with stable water-repellent property under dynamic conditions. *Langmuir*, **2009**, 25, 12299-307	4	66
137	Non-aqueous electrodeposition of porous tin-based film as an anode for lithium-ion battery. *Journal of Power Sources*, **2012**, 214, 200-207	8.9	64
136	One-step fabrication of nanostructured NiO films from deep eutectic solvent with enhanced electrochromic performance. *Journal of Materials Chemistry A*, **2013**, 1, 4286	13	64
135	Silicon/graphene-sheet hybrid film as anode for lithium ion batteries. *Electrochemistry Communications*, **2012**, 23, 17-20	5.1	63
134	SnO Nanoflake Arrays Coated with Polypyrrole on a Carbon Cloth as Flexible Anodes for Sodium-Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 24198-24204	9.5	60
133	Enhanced rate capability of multi-layered ordered porous nickel phosphide film as anode for lithium ion batteries. *Journal of Power Sources*, **2011**, 196, 379-385	8.9	60
132	All-solid-state electrochromic devices based on WO3||NiO films: material developments and future applications. *Science China Chemistry*, **2017**, 60, 3-12	7.9	59
131	In situ growth and electrochemical characterization versuslithium of a core/shell-structured Ni2P@C nanocomposite synthesized by a facile organic-phase strategy. *Journal of Materials Chemistry*, **2011**, 21, 17988		58
130	Nanostructuring and improved performance of ternary Bi□Sb□□e thermoelectric materials. *Applied Physics A: Materials Science and Processing*, **2008**, 92, 321-324	2.6	58

129	High-energy cathode materials for Li-ion batteries: A review of recent developments. *Science China Technological Sciences*, **2015**, 58, 1809-1828	3.5	56
128	Microstructure, nanoindentation, and electrochemical properties of the nanocrystalline nickel film electrodeposited from choline chloride–ethylene glycol. *Surface and Coatings Technology*, **2011**, 205, 4928-4933	4.4	56
127	Original growth mechanism for ultra-stable dendrite-free potassium metal electrode. *Nano Energy*, **2019**, 62, 367-375	17.1	55
126	Influence of electrodeposition conditions on the microstructure and corrosion resistance of Zn–Ni alloy coatings from a deep eutectic solvent. *Surface and Coatings Technology*, **2014**, 242, 34-41	4.4	55
125	Rational coating of Li 7 P 3 S 11 solid electrolyte on MoS 2 electrode for all-solid-state lithium ion batteries. *Journal of Power Sources*, **2018**, 374, 107-112	8.9	55
124	Self-assembly of hierarchical Fe3O4 microsphere/graphene nanosheet composite: towards a promising high-performance anode for Li-ion batteries. *RSC Advances*, **2014**, 4, 322-330	3.7	54
123	Three-dimensional porous nano-Ni/Fe3O4 composite film: enhanced electrochemical performance for lithium-ion batteries. *Journal of Materials Chemistry*, **2012**, 22, 18639		54
122	Electrochemical Synthesis and Characterization of Ni–P Alloy Coatings from Eutectic-Based Ionic Liquid. *Journal of the Electrochemical Society*, **2012**, 159, D642-D648	3.9	53
121	Ultra fast electrochromic switching of nanostructured NiO films electrodeposited from choline chloride-based ionic liquid. *Electrochimica Acta*, **2013**, 87, 341-347	6.7	53
120	Porous NiO/poly(3,4-ethylenedioxythiophene) films as anode materials for lithium ion batteries. *Journal of Power Sources*, **2010**, 195, 1207-1210	8.9	53
119	Hollow Li1.2Mn0.5Co0.25Ni0.05O2 microcube prepared by binary template as a cathode material for lithium ion batteries. *Journal of Power Sources*, **2014**, 257, 198-204	8.9	52
118	The direct growth of a WO3 nanosheet array on a transparent conducting substrate for highly efficient electrochromic and electrocatalytic applications. *CrystEngComm*, **2014**, 16, 6866-6872	3.3	52
117	Effect of carbon coating on low temperature electrochemical performance of LiFePO4/C by using polystyrene sphere as carbon source. *Electrochimica Acta*, **2011**, 56, 5054-5059	6.7	52
116	Carbon-decorated single-crystalline Ni2P nanotubes derived from ni nanowire templates: a high-performance material for Li-ion batteries. *Chemistry - A European Journal*, **2012**, 18, 6031-8	4.8	51
115	Anchoring three-dimensional network structured Ni–P nanowires on reduced graphene oxide and their enhanced electrocatalytic activity towards methanol oxidation. *Electrochemistry Communications*, **2013**, 35, 108-111	5.1	50
114	Thermochromic behavior of chloro-nickel(II) in deep eutectic solvents and their application in thermochromic composite films. *RSC Advances*, **2011**, 1, 1220	3.7	50
113	A strategy of fast reversible wettability changes of WO3 surfaces between superhydrophilicity and superhydrophobicity. *Journal of Colloid and Interface Science*, **2010**, 352, 573-9	9.3	50
112	Hierarchical MoS /Carbon Composite Microspheres as Advanced Anodes for Lithium/Sodium-Ion Batteries. *Chemistry - A European Journal*, **2018**, 24, 11220-11226	4.8	49

111	Facile interfacial modification via in-situ ultraviolet solidified gel polymer electrolyte for high-performance solid-state lithium ion batteries. *Journal of Power Sources*, **2019**, 409, 31-37	8.9	49
110	Electrochemical performances of nanostructured Ni3P Ni films electrodeposited on nickel foam substrate. *Journal of Power Sources*, **2008**, 185, 519-525	8.9	47
109	Urchin-like Ni-Co-P-O nanocomposite as novel methanol electro-oxidation materials in alkaline environment. *Electrochimica Acta*, **2016**, 187, 11-19	6.7	46
108	Anchoring Ni2P Sheets on NiCo2O4 Nanocone Arrays as Optimized Bifunctional Electrocatalyst for Water Splitting. *Advanced Materials Interfaces*, **2017**, 4, 1700481	4.6	45
107	Synthesis of dinickel phosphide (Ni2P) for fast lithium-ion transportation: a new class of nanowires with exceptionally improved electrochemical performance as a negative electrode. *RSC Advances*, **2012**, 2, 3430	3.7	45
106	Effect of EDTA and NH4Cl additives on electrodeposition of Zn Ni films from choline chloride-based ionic liquid. *Transactions of Nonferrous Metals Society of China*, **2015**, 25, 2054-2064	3.3	44
105	Large-scale synthesis of porous Ni2P nanosheets for lithium secondary batteries. *CrystEngComm*, **2012**, 14, 8633	3.3	44
104	Fabrication of highly ordered porous nickel phosphide film and its electrochemical performances toward lithium storage. *Journal of Alloys and Compounds*, **2011**, 509, 157-160	5.7	44
103	Friction and Wear Properties of IF MoS2 as Additive in Paraffin Oil. *Tribology Letters*, **2005**, 20, 247-250	2.8	43
102	In situ confocal microscopic observation on inhibiting the dendrite formation of a-CNx/Li electrode. *Journal of Materials Chemistry A*, **2016**, 4, 15597-15604	13	42
101	Electrodeposition, structural, and corrosion properties of Cu films from a stable deep eutectics system with additive of ethylene diamine. *Surface and Coatings Technology*, **2012**, 209, 117-123	4.4	40
100	A Smart Superhydrophobic Coating on AZ31B Magnesium Alloy with Self-Healing Effect. *Advanced Materials Interfaces*, **2016**, 3, 1500694	4.6	40
99	Hierarchical SnO2@NiO core/shell nanoflake arrays as energy-saving electrochromic materials. *Journal of Materials Chemistry C*, **2014**, 2, 10409-10417	7.1	39
98	Bias-graded deposition and tribological properties of Ti-contained a-C gradient composite film on Ti6Al4V alloy. *Applied Surface Science*, **2013**, 279, 450-457	6.7	39
97	Cobalt nanomountain array supported silicon film anode for high-performance lithium ion batteries. *Electrochimica Acta*, **2013**, 88, 664-670	6.7	39
96	Improved electrochromic performance of hierarchically porous Co3O4 array film through self-assembled colloidal crystal template. *Electrochimica Acta*, **2010**, 55, 989-994	6.7	39
95	Recent Developments of All-Solid-State Lithium Secondary Batteries with Sulfide Inorganic Electrolytes. *Chemistry - A European Journal*, **2018**, 24, 6007-6018	4.8	36
94	Boosting High-Rate Sodium Storage Performance of N-Doped Carbon-Encapsulated Na V (PO) Nanoparticles Anchoring on Carbon Cloth. *Small*, **2019**, 15, e1902432	11	35

93	A multicolor electrochromic film based on a SnO2/V2O5 core/shell structure for adaptive camouflage. *Journal of Materials Chemistry C*, **2019**, 7, 5702-5709	7.1	33
92	Electrochemical synthesis and optical properties of ZnO thin film on In2O3:Sn (ITO)-coated glass. *Applied Surface Science*, **2007**, 253, 7011-7015	6.7	33
91	Enhancement of the advanced Na storage performance of Na3V2(PO4)3 in a symmetric sodium full cell via a dual strategy design. *Journal of Materials Chemistry A*, **2019**, 7, 10231-10238	13	32
90	Growth of and methanol electro-oxidation by gold nanowires with high density stacking faults. *Journal of Materials Chemistry*, **2011**, 21, 4843		32
89	Ductile□brittle□ductile transition in an electrodeposited 13 nanometer grain sized Ni□8.6wt.% Co alloy. *Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing*, **2007**, 459, 75-81	5.3	32
88	Layered nanostructured Ni with modulated hardness fabricated by surfactant-assistant electrodeposition. *Scripta Materialia*, **2007**, 57, 233-236	5.6	31
87	Hydrophobic epoxy resin coating with ionic liquid conversion pretreatment on magnesium alloy for promoting corrosion resistance. *Journal of Materials Science and Technology*, **2020**, 37, 9-18	9.1	31
86	Niobium doped tungsten oxide mesoporous film with enhanced electrochromic and electrochemical energy storage properties. *Journal of Colloid and Interface Science*, **2019**, 535, 300-307	9.3	29
85	A NiCo2O4 Shell on a Hollow Ni Nanorod Array Core for Water Splitting with Enhanced Electrocatalytic Performance. *ChemNanoMat*, **2018**, 4, 124-131	3.5	27
84	Deformation mechanism transition caused by strain rate in a pulse electric brush-plated nanocrystalline Cu. *Journal of Applied Physics*, **2008**, 104, 053505	2.5	27
83	Mechanical Properties and in Vitro and in Vivo Biocompatibility of a-C/a-C:Ti Nanomultilayer Films on Ti6Al4V Alloy as Medical Implants. *ACS Applied Materials & Interfaces*, **2017**, 9, 15933-15942	9.5	26
82	Microstructure, mechanical and tribological properties of a-C/a-C:Ti nanomultilayer film. *Surface and Coatings Technology*, **2013**, 232, 403-411	4.4	26
81	Mechanical and tribological properties of a-C/a-C:Ti multilayer films with various bilayer periods. *Thin Solid Films*, **2014**, 558, 176-183	2.2	26
80	Integrated reduced graphene oxide multilayer/Li composite anode for rechargeable lithium metal batteries. *RSC Advances*, **2016**, 6, 11657-11664	3.7	25
79	Spinel type CoFe oxide porous nanosheets as magnetic adsorbents with fast removal ability and facile separation. *Journal of Colloid and Interface Science*, **2015**, 454, 134-43	9.3	25
78	Electrodeposition, Morphology, Composition, and Corrosion Performance of Zn-Mn Coatings from a Deep Eutectic Solvent. *Journal of Materials Engineering and Performance*, **2015**, 24, 434-444	1.6	24
77	Endowing manganese oxide with fast adsorption ability through controlling the manganese carbonate precursor assembled in ionic liquid. *Journal of Colloid and Interface Science*, **2015**, 438, 149-158	9.3	24
76	Synthesis of reduced graphene oxide by an ionothermal method and electrochemical performance. *RSC Advances*, **2013**, 3, 11807	3.7	24

75	Thermal growth of NiO on interconnected Ni□P tube network for electrochemical oxidation of methanol in alkaline medium. *International Journal of Hydrogen Energy*, **2016**, 41, 6342-6352	6.7	24
74	Growth of nickel phosphide films as anodes for lithium-ion batteries: Based on a novel method for synthesis of nickel films using ionic liquids. *Electrochimica Acta*, **2013**, 112, 212-220	6.7	23
73	One-pot synthesis of SnO2/reduced graphene oxide nanocomposite in ionic liquid-based solution and its application for lithium ion batteries. *Materials Research Bulletin*, **2013**, 48, 4112-4117	5.1	23
72	Mechanically assisted electroplating of Ni□P coatings on carbon steel. *Surface and Coatings Technology*, **2008**, 202, 6023-6028	4.4	23
71	Electrodeposition of Superhydrophobic Cu Film on Active Substrate from Deep Eutectic Solvent. *Journal of the Electrochemical Society*, **2015**, 162, D313-D319	3.9	22
70	Microstructure and corrosion behavior of Cr and Cr□P alloy coatings electrodeposited from a Cr(III) deep eutectic solvent. *RSC Advances*, **2015**, 5, 71268-71277	3.7	22
69	Non-Newtonian Fluid State K□Na Alloy for a Stretchable Energy Storage Device. *Small Methods*, **2019**, 3, 1900383	12.8	22
68	Graphene oxide modified metallic lithium electrode and its electrochemical performances in lithium□sulfur full batteries and symmetric lithium□metal coin cells. *RSC Advances*, **2016**, 6, 66161-66168	3.7	22
67	Cobalt disulfide-modified cellular hierarchical porous carbon derived from bovine bone for application in high-performance lithium-sulfur batteries. *Journal of Colloid and Interface Science*, **2019**, 551, 219-226	9.3	21
66	Polypyrrole-Coated Sodium Manganate Hollow Microspheres as a Superior Cathode for Sodium Ion Batteries. *ACS Applied Materials & Interfaces*, **2019**, 11, 15630-15637	9.5	21
65	Fabrication of high aspect ratio through-wafer copper interconnects by reverse pulse electroplating. *Journal of Micromechanics and Microengineering*, **2009**, 19, 065011	2	21
64	Fabrication and corrosion property of conversion films on magnesium alloy from deep eutectic solvent. *Surface and Coatings Technology*, **2018**, 344, 702-709	4.4	20
63	Carbon fiber-incorporated sulfur/carbon ternary cathode for lithium□sulfur batteries with enhanced performance. *Journal of Solid State Electrochemistry*, **2017**, 21, 1203-1210	2.6	20
62	The electrochemical and mechanical properties of Ti incorporated amorphous carbon films in Hanks□solution. *Applied Surface Science*, **2010**, 256, 4859-4866	6.7	19
61	A Facile Way to Construct Stable and Ionic Conductive Lithium Sulfide Nanoparticles Composed Solid Electrolyte Interphase on Li Metal Anode. *Advanced Functional Materials*, **2021**, 31, 2006380	15.6	19
60	Improved Ionic Conductivity and Li Dendrite Suppression Capability toward LiPS-Based Solid Electrolytes Triggered by Nb and O Cosubstitution. *ACS Applied Materials & Interfaces*, **2020**, 12, 54662-54670	9.5	17
59	Anomalous self-reduction of layered double hydroxide (LDH): from □Ni(OH)2 to hexagonal close packing (HCP) Ni/NiO by annealing without a reductant. *Chemical Communications*, **2015**, 51, 1004-7	5.8	16
58	Performance Enhancement of a Sulfur/Carbon Cathode by Polydopamine as an Efficient Shell for High-Performance Lithium-Sulfur Batteries. *Chemistry - A European Journal*, **2017**, 23, 10610-10615	4.8	16

57	A Stretchable and Safe Polymer Electrolyte with a Protecting-Layer Strategy for Solid-State Lithium Metal Batteries. *Advanced Science*, **2021**, 8, 2003241	13.6	16
56	Electrocarving during Electrodeposition Growth. *Advanced Materials*, **2018**, 30, e1805686	24	16
55	Highly Efficient Bifunctional Catalyst of NiCo2O4@NiO@Ni Core/Shell Nanocone Array for Stable Overall Water Splitting. *Particle and Particle Systems Characterization*, **2017**, 34, 1700228	3.1	15
54	Pseudocapacitive material with 928 mAh cm□ particle-level volumetric specific capacity enabled by continuous phase-transition. *Chemical Engineering Journal*, **2018**, 338, 211-217	14.7	15
53	In situ formation of a Li3N-rich interface between lithium and argyrodite solid electrolyte enabled by nitrogen doping. *Journal of Materials Chemistry A*, **2021**, 9, 13531-13539	13	15
52	Sodium-rich manganese oxide porous microcubes with polypyrrole coating as a superior cathode for sodium ion full batteries. *Journal of Colloid and Interface Science*, **2020**, 565, 218-226	9.3	14
51	Potassium Hexafluorophosphate Additive Enables Stable Lithium-Sulfur Batteries. *ACS Applied Materials & Interfaces*, **2020**, 12, 56017-56026	9.5	14
50	Targeted Growth of Pt on 2D Atomic Layers of Ni-Al Hydroxide: Assembly of the Pt/Exfoliated Ni-Al Hydroxide sheet/Graphene Composite as Electrocatalysts for Methanol Oxidation Reactions. *Electrochimica Acta*, **2016**, 222, 938-945	6.7	13
49	Fast synthesis and optical property of SnO nanoparticles from choline chloride-based ionic liquid. *Journal of Nanoparticle Research*, **2014**, 16, 1	2.3	13
48	Electro-Brush Plating from Deep Eutectic Solvent: A Case of Nanocrystalline Ni Coatings with Superior Mechanical Property and Corrosion Resistance. *Journal of the Electrochemical Society*, **2015**, 162, D159-D165	3.9	13
47	The Effect of Stress Relaxation on the Microstructure and Hardness Evolution of Pure Amorphous-Carbon and C/Ti Multilayer Films. *Advanced Engineering Materials*, **2010**, 12, 920-925	3.5	13
46	Synthesis and electrochemical performance of xLiV3O8□yLi3V2(PO4)3/rGO composite cathode materials for lithium ion batteries. *Journal of Materials Chemistry A*, **2015**, 3, 14731-14740	13	12
45	Potentiodynamical deposition and corrosion behavior of thin Zn-Sn coatings with layered structure and varied composition from deep eutectic solvent. *Surface and Coatings Technology*, **2017**, 320, 640-647	4.4	12
44	Deposition and wettability of silver nanostructures on Si(100) substrate based on galvanic displacement reactions. *Applied Surface Science*, **2010**, 257, 1779-1785	6.7	12
43	Effects of stannous ions on the electrochemical performance of the alkaline zinc electrode. *Journal of Applied Electrochemistry*, **2007**, 37, 249-253	2.6	12
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