

Changzheng Wu

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

199
papers

21,235
citations

77
h-index

144
g-index

218
ext. papers

24,284
ext. citations

12.7
avg, IF

7.03
L-index

#	Paper	IF	Citations
199	Epitaxial Growth of Ultrathin Highly-Crystalline Pt-Ni Nanostructure on Metal Carbide Template for Efficient Oxygen Reduction Reaction.. <i>Advanced Materials</i> , 2022 , e2109188	24	2
198	Modulation of pore-size in N, S-codoped carbon/Co9S8 hybrid for a stronger O2 affinity toward rechargeable zinc-air battery. <i>Nano Energy</i> , 2022 , 92, 106750	17.1	3
197	Host-guest Intercalation Chemistry for the Synthesis and Modification of Two-dimensional Transition Metal Dichalcogenides.. <i>Advanced Materials</i> , 2022 , e2200425	24	0
196	Ultrathin van der Waals Antiferromagnet CrTe for Fabrication of in-plane CrTe /CrTe Monolayer Magnetic Heterostructures.. <i>Advanced Materials</i> , 2022 , e2200236	24	2
195	Interfacial ion regulation on 2D layered double hydroxide nanosheets for enhanced thermal insulation. <i>Science China Chemistry</i> , 2022 , 65, 898	7.9	
194	Stoichiometric two-dimensional non-van der Waals AgCrS with superionic behaviour at room temperature. <i>Nature Chemistry</i> , 2021 , 13, 1235-1240	17.6	14
193	Boosting the electrochromic performance of TiO2 nanowire film via successively evolving surface structure. <i>Science China Chemistry</i> , 2021 , 64, 745-752	7.9	0
192	Solid-liquid phase transition induced electrocatalytic switching from hydrogen evolution to highly selective CO2 reduction. <i>Nature Catalysis</i> , 2021 , 4, 202-211	36.5	25
191	Surface/Interface Chemistry Engineering of Correlated-Electron Materials: From Conducting Solids, Phase Transitions to External-Field Response. <i>Advanced Science</i> , 2021 , 8, 2002807	13.6	2
190	Quantum Griffiths Singularity in a Layered Superconducting Organic-Inorganic Hybrid Superlattice 2021 , 3, 210-216		2
189	Recent advances in novel aerogels through the hybrid aggregation of inorganic nanomaterials and polymeric fibers for thermal insulation. <i>Aggregate</i> , 2021 , 2, e30	22.9	6
188	Subsize Pt-based intermetallic compound enables long-term cyclic mass activity for fuel-cell oxygen reduction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	14
187	Surface microenvironment optimization- induced robust oxygen reduction for neutral zinc-air batteries. <i>Natural Sciences</i> , 2021 , 1, e20210005		1
186	Ferromagnetism in 2D Vanadium Diselenide. <i>ACS Nano</i> , 2021 , 15, 16236-16241	16.7	6
185	Spin-Dependent Transport at 2D Solids: From Nonmagnetic Layers to Ferromagnetic van der Waals Structures. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 9730-9740	6.4	
184	Structural Transformation of Heterogeneous Materials for Electrocatalytic Oxygen Evolution Reaction. <i>Chemical Reviews</i> , 2021 , 121, 13174-13212	68.1	51
183	Surface Nitrogen-Injection Engineering for High Formation Rate of CO Reduction to Formate. <i>Nano Letters</i> , 2020 , 20, 6097-6103	11.5	28

182	Structural Phase Transition of Multilayer VSe ₂ . <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 25143-25149	14.9	14
181	Surface/interface nanoengineering for rechargeable Zn-Air batteries. <i>Energy and Environmental Science</i> , 2020 , 13, 1132-1153	35.4	148
180	High-purity pyrrole-type FeN ₄ sites as a superior oxygen reduction electrocatalyst. <i>Energy and Environmental Science</i> , 2020 , 13, 111-118	35.4	158
179	Two-Dimensional Hierarchical FeN ₄ Electrocatalyst for Zn-Air Batteries with Ultrahigh Specific Capacity 2020 , 2, 35-41		16
178	Nanopore Confinement of Electrocatalysts Optimizing Triple Transport for an Ultrahigh-Power-Density Zinc-Air Fuel Cell with Robust Stability. <i>Advanced Materials</i> , 2020 , 32, e2003251	24	38
177	Local structure engineering for active sites in fuel cell electrocatalysts. <i>Science China Chemistry</i> , 2020 , 63, 1543-1556	7.9	3
176	Intercalation-assisted Exfoliation Strategy for Two-dimensional Materials Preparation. <i>Chemical Research in Chinese Universities</i> , 2020 , 36, 518-524	2.2	3
175	High-Density Planar-like Fe ₂ N ₆ Structure Catalyzes Efficient Oxygen Reduction. <i>Matter</i> , 2020 , 3, 509-521	12.7	71
174	Recent Advances on the Modulation of Electrocatalysts Based on Transition Metal Nitrides for the Rechargeable Zn-Air Battery 2020 , 2, 1423-1434		40
173	Fast Lithium Ion Conductivity in Layered (Li-Ag)CrS. <i>Journal of the American Chemical Society</i> , 2020 , 142, 18645-18651	16.4	12
172	Tailoring Electronic Structure of Atomically Dispersed Metal-N ₃ S ₁ Active Sites for Highly Efficient Oxygen Reduction Catalysis 2019 , 1, 139-146		19
171	Freestanding Cubic ZrN Single-Crystalline Films with Two-Dimensional Superconductivity. <i>Journal of the American Chemical Society</i> , 2019 , 141, 10183-10187	16.4	4
170	Optimal coordination-site exposure engineering in porous platinum for outstanding oxygen reduction performance. <i>Chemical Science</i> , 2019 , 10, 5589-5595	9.4	13
169	Growth of curved crystals: competition between topological defect nucleation and boundary branching. <i>Soft Matter</i> , 2019 , 15, 4391-4400	3.6	3
168	Room-temperature ligand engineering of perovskite electrocatalyst for enhanced electrochemical water oxidation. <i>Nano Research</i> , 2019 , 12, 2296-2301	10	7
167	High Phase Purity of Large-Sized 1T'-MoS ₂ Monolayers with 2D Superconductivity. <i>Advanced Materials</i> , 2019 , 31, e1900568	24	53
166	Interfacial engineering of cobalt sulfide/graphene hybrids for highly efficient ammonia electrosynthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 6635-6640	11.5	175
165	Ultrathin Cobalt Oxide Layers as Electrocatalysts for High-Performance Flexible Zn-Air Batteries. <i>Advanced Materials</i> , 2019 , 31, e1807468	24	151

164	Dual Modulation via Electrochemical Reduction Activation on Electrocatalysts for Enhanced Oxygen Evolution Reaction. <i>ACS Energy Letters</i> , 2019 , 4, 423-429	20.1	41
163	Electron Transport in Low Dimensional Solids: A Surface Chemistry Perspective. <i>Journal of the American Chemical Society</i> , 2019 , 141, 723-732	16.4	9
162	Solution Processing for Lateral Transition-Metal Dichalcogenides Homojunction from Polymorphic Crystal. <i>Journal of the American Chemical Society</i> , 2019 , 141, 592-598	16.4	17
161	Atomically Thin Two-Dimensional Solids: An Emerging Platform for CO ₂ Electroreduction. <i>ACS Energy Letters</i> , 2018 , 3, 624-633	20.1	55
160	Surface-adsorbed ions on TiO ₂ nanosheets for selective photocatalytic CO ₂ reduction. <i>Nano Research</i> , 2018 , 11, 3362-3370	10	24
159	Moisture-triggered actuator and detector with high-performance: interface engineering of graphene oxide/ethyl cellulose. <i>Science China Materials</i> , 2018 , 61, 1291-1296	7.1	10
158	Surface Immobilization of Transition Metal Ions on Nitrogen-Doped Graphene Realizing High-Efficient and Selective CO Reduction. <i>Advanced Materials</i> , 2018 , 30, e1706617	24	199
157	Ultrathin nanosheets of Mn ₃ O ₄ : A new two-dimensional ferromagnetic material with strong magnetocrystalline anisotropy. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	6
156	Disorder Enhanced Superconductivity toward TaS Monolayer. <i>ACS Nano</i> , 2018 , 12, 9461-9466	16.7	25
155	Two-Dimensional Tellurium Nanosheets Exhibiting an Anomalous Switchable Photoresponse with Thickness Dependence. <i>Angewandte Chemie</i> , 2018 , 130, 13721-13725	3.6	1
154	Two-Dimensional Tellurium Nanosheets Exhibiting an Anomalous Switchable Photoresponse with Thickness Dependence. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13533-13537	16.4	47
153	Vibronic Superexchange in Double Perovskite Electrocatalyst for Efficient Electrocatalytic Oxygen Evolution. <i>Journal of the American Chemical Society</i> , 2018 , 140, 11165-11169	16.4	87
152	Controllable Surface Reorganization Engineering on Cobalt Phosphide Nanowire Arrays for Efficient Alkaline Hydrogen Evolution Reaction. <i>Advanced Materials</i> , 2018 , 30, 1703322	24	177
151	Acid-Assisted Exfoliation toward Metallic Sub-nanopore TaS Monolayer with High Volumetric Capacitance. <i>Journal of the American Chemical Society</i> , 2018 , 140, 493-498	16.4	83
150	Oxygen Vacancies Confined in Nickel Molybdenum Oxide Porous Nanosheets for Promoted Electrocatalytic Urea Oxidation. <i>ACS Catalysis</i> , 2018 , 8, 1-7	13.1	241
149	Surface etching induced ultrathin sandwich structure realizing enhanced photocatalytic activity. <i>Science China Chemistry</i> , 2018 , 61, 1572-1580	7.9	16
148	Surface/Interfacial Engineering of Inorganic Low-Dimensional Electrode Materials for Electrocatalysis. <i>Accounts of Chemical Research</i> , 2018 , 51, 2857-2866	24.3	124
147	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie</i> , 2018 , 130, 15697-15701	3.6	10

146	Surface Engineering Protocol To Obtain an Atomically Dispersed Pt/CeO ₂ Catalyst with High Activity and Stability for CO Oxidation. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 14054-14062	8.3	54
145	Dynamic Migration of Surface Fluorine Anions on Cobalt-Based Materials to Achieve Enhanced Oxygen Evolution Catalysis. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 15471-15475	16.4	109
144	Highly Polarized and Fast Photoresponse of Black Phosphorus-InSe Vertical p-n Heterojunctions. <i>Advanced Functional Materials</i> , 2018 , 28, 1802011	15.6	93
143	Sphere-To-Tube Transition toward Nanotube Formation: A Universal Route by Inverse Plateau-Rayleigh Instability. <i>ACS Nano</i> , 2017 , 11, 2928-2933	16.7	9
142	The synergy between atomically dispersed Pd and cerium oxide for enhanced catalytic properties. <i>Nanoscale</i> , 2017 , 9, 6643-6648	7.7	43
141	Atomically Dispersed Iron-Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. <i>Angewandte Chemie</i> , 2017 , 129, 625-629	3.6	103
140	Atomically Dispersed Iron-Nitrogen Species as Electrocatalysts for Bifunctional Oxygen Evolution and Reduction Reactions. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 610-614	16.4	759
139	Promoting Active Species Generation by Electrochemical Activation in Alkaline Media for Efficient Electrocatalytic Oxygen Evolution in Neutral Media. <i>Nano Letters</i> , 2017 , 17, 578-583	11.5	157
138	Understanding Structure-Dependent Catalytic Performance of Nickel Selenides for Electrochemical Water Oxidation. <i>ACS Catalysis</i> , 2017 , 7, 310-315	13.1	115
137	Regulating Water-Reduction Kinetics in Cobalt Phosphide for Enhancing HER Catalytic Activity in Alkaline Solution. <i>Advanced Materials</i> , 2017 , 29, 1606980	24	168
136	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,N-Decorated Graphene. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 7121-7125	16.4	306
135	A Bifunctional Hybrid Electrocatalyst for Oxygen Reduction and Evolution: Cobalt Oxide Nanoparticles Strongly Coupled to B,N-Decorated Graphene. <i>Angewandte Chemie</i> , 2017 , 129, 7227-7231	3.6	55
134	3D Nitrogen-Anion-Decorated Nickel Sulfides for Highly Efficient Overall Water Splitting. <i>Advanced Materials</i> , 2017 , 29, 1701584	24	375
133	Very Large-Sized Transition Metal Dichalcogenides Monolayers from Fast Exfoliation by Manual Shaking. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9019-9025	16.4	75
132	Imaging metal-like monoclinic phase stabilized by surface coordination effect in vanadium dioxide nanobeam. <i>Nature Communications</i> , 2017 , 8, 15561	17.4	27
131	Double-Exchange Effect in Two-Dimensional MnO Nanomaterials. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5242-5248	16.4	58
130	Molecule-Confined Engineering toward Superconductivity and Ferromagnetism in Two-Dimensional Superlattice. <i>Journal of the American Chemical Society</i> , 2017 , 139, 16398-16404	16.4	36
129	Exclusive Ni-N Sites Realize Near-Unity CO Selectivity for Electrochemical CO Reduction. <i>Journal of the American Chemical Society</i> , 2017 , 139, 14889-14892	16.4	532

128	Spin-State Regulation of Perovskite Cobaltite to Realize Enhanced Oxygen Evolution Activity. <i>Chem</i> , 2017 , 3, 812-821	16.2	144
127	Half-Metallic Behavior in 2D Transition Metal Dichalcogenides Nanosheets by Dual-Native-Defects Engineering. <i>Advanced Materials</i> , 2017 , 29, 1703123	24	53
126	Enhanced Catalytic Activity in Nitrogen-Anion Modified Metallic Cobalt Disulfide Porous Nanowire Arrays for Hydrogen Evolution. <i>ACS Catalysis</i> , 2017 , 7, 7405-7411	13.1	120
125	Modulation of Metal and Insulator States in 2D Ferromagnetic VS by van der Waals Interaction Engineering. <i>Advanced Materials</i> , 2017 , 29, 1700715	24	78
124	Metallic Nickel Hydroxide Nanosheets Give Superior Electrocatalytic Oxidation of Urea for Fuel Cells. <i>Angewandte Chemie</i> , 2016 , 128, 12653-12657	3.6	26
123	Metallic Nickel Hydroxide Nanosheets Give Superior Electrocatalytic Oxidation of Urea for Fuel Cells. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12465-9	16.4	253
122	Signature of coexistence of superconductivity and ferromagnetism in two-dimensional NbSe ₂ triggered by surface molecular adsorption. <i>Nature Communications</i> , 2016 , 7, 11210	17.4	68
121	A zwitterionic gel electrolyte for efficient solid-state supercapacitors. <i>Nature Communications</i> , 2016 , 7, 11782	17.4	259
120	Superparamagnetic Reduced Graphene Oxide with Large Magnetoresistance: A Surface Modulation Strategy. <i>Angewandte Chemie</i> , 2016 , 128, 3228-3232	3.6	8
119	Solution-Liquid-Solid Synthesis of Hexagonal Nickel Selenide Nanowire Arrays with a Nonmetal Catalyst. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1710-3	16.4	103
118	Dual Electrical-Behavior Regulation on Electrocatalysts Realizing Enhanced Electrochemical Water Oxidation. <i>Advanced Materials</i> , 2016 , 28, 3326-32	24	114
117	Manganous oxide nanoparticles encapsulated in few-layer carbon as an efficient electrocatalyst for oxygen reduction in alkaline media. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 11775-11781	13	20
116	Insight into Electrocatalysts as Co-catalysts in Efficient Photocatalytic Hydrogen Evolution. <i>ACS Catalysis</i> , 2016 , 6, 4253-4257	13.1	92
115	Enhanced oxygen evolution reaction of metallic nickel phosphide nanosheets by surface modification. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 1021-1027	6.8	45
114	Interface Engineering in Two-Dimensional Heterostructures: Towards an Advanced Catalyst for Ullmann Couplings. <i>Angewandte Chemie</i> , 2016 , 128, 1736-1741	3.6	1
113	Free-Standing Two-Dimensional Ru Nanosheets with High Activity toward Water Splitting. <i>ACS Catalysis</i> , 2016 , 6, 1487-1492	13.1	217
112	Engineering the electronic structure of two-dimensional subnanopore nanosheets using molecular titanium-oxide incorporation for enhanced photocatalytic activity. <i>Chemical Science</i> , 2016 , 7, 1462-1467	9.4	29
111	Cobalt nitrides as a class of metallic electrocatalysts for the oxygen evolution reaction. <i>Inorganic Chemistry Frontiers</i> , 2016 , 3, 236-242	6.8	179

110	Phase-Transformation Engineering in Cobalt Diselenide Realizing Enhanced Catalytic Activity for Hydrogen Evolution in an Alkaline Medium. <i>Advanced Materials</i> , 2016 , 28, 7527-32	24	241
109	Hydrogen Treatment for Superparamagnetic VO ₂ Nanowires with Large Room-Temperature Magnetoresistance. <i>Angewandte Chemie</i> , 2016 , 128, 8150-8154	3.6	5
108	Hydrogen Treatment for Superparamagnetic VO ₂ Nanowires with Large Room-Temperature Magnetoresistance. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8018-22	16.4	25
107	Solution-Liquid-Solid Synthesis of Hexagonal Nickel Selenide Nanowire Arrays with a Nonmetal Catalyst. <i>Angewandte Chemie</i> , 2016 , 128, 1742-1745	3.6	15
106	Single-Atom Pt as Co-Catalyst for Enhanced Photocatalytic H ₂ Evolution. <i>Advanced Materials</i> , 2016 , 28, 2427-31	24	865
105	Strong-Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. <i>Angewandte Chemie</i> , 2016 , 128, 2534-2538	3.6	49
104	Strong-Coupled Cobalt Borate Nanosheets/Graphene Hybrid as Electrocatalyst for Water Oxidation Under Both Alkaline and Neutral Conditions. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 2488-92	16.4	335
103	Superparamagnetic Reduced Graphene Oxide with Large Magnetoresistance: A Surface Modulation Strategy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 3176-80	16.4	15
102	Interface Engineering in Two-Dimensional Heterostructures: Towards an Advanced Catalyst for Ullmann Couplings. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 1704-9	16.4	50
101	Metallic nickel nitride nanosheets realizing enhanced electrochemical water oxidation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4119-25	16.4	844
100	In situ unravelling structural modulation across the charge-density-wave transition in vanadium disulfide. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 13333-9	3.6	19
99	Spatially-confined lithiation/delithiation in highly dense nanocomposite anodes towards advanced lithium-ion batteries. <i>Energy and Environmental Science</i> , 2015 , 8, 1471-1479	35.4	62
98	Molecular co-catalyst accelerating hole transfer for enhanced photocatalytic H ₂ evolution. <i>Nature Communications</i> , 2015 , 6, 8647	17.4	141
97	Metallic mesocrystal nanosheets of vanadium nitride for high-performance all-solid-state pseudocapacitors. <i>Nano Research</i> , 2015 , 8, 193-200	10	32
96	Surface chemical-modification for engineering the intrinsic physical properties of inorganic two-dimensional nanomaterials. <i>Chemical Society Reviews</i> , 2015 , 44, 637-46	58.5	238
95	Hydrogen dangling bonds induce ferromagnetism in two-dimensional metal-free graphitic-CN nanosheets. <i>Chemical Science</i> , 2015 , 6, 283-287	9.4	56
94	Regulating the electrical behaviors of 2D inorganic nanomaterials for energy applications. <i>Small</i> , 2015 , 11, 654-66	11	36
93	The Hydric Effect in Inorganic Nanomaterials for Nanoelectronics and Energy Applications. <i>Advanced Materials</i> , 2015 , 27, 3850-67	24	47

92	Engineering the electronic state of a perovskite electrocatalyst for synergistically enhanced oxygen evolution reaction. <i>Advanced Materials</i> , 2015 , 27, 5989-94	24	187
91	Graphene/sulfur hybrid nanosheets from a space-confined "sauna" reaction for high-performance lithium-sulfur batteries. <i>Advanced Materials</i> , 2015 , 27, 5936-42	24	106
90	Metallic Co ₄ N Porous Nanowire Arrays Activated by Surface Oxidation as Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie</i> , 2015 , 127, 14923-14927	3.6	208
89	Metallic Co ₄ N Porous Nanowire Arrays Activated by Surface Oxidation as Electrocatalysts for the Oxygen Evolution Reaction. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 14710-4	16.4	576
88	2D Nanomaterials: Regulating the Electrical Behaviors of 2D Inorganic Nanomaterials for Energy Applications (Small 6/2015). <i>Small</i> , 2015 , 11, 653-653	11	0
87	Highly efficient photothermal effect by atomic-thickness confinement in two-dimensional ZrNCl nanosheets. <i>ACS Nano</i> , 2015 , 9, 1683-91	16.7	29
86	Two dimensional nanomaterials for flexible supercapacitors. <i>Chemical Society Reviews</i> , 2014 , 43, 3303-238.5	38.5	827
85	Facile one step method realizing scalable production of g-C ₃ N ₄ nanosheets and study of their photocatalytic H ₂ evolution activity. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18924-18928	13	328
84	Ir Detectors: Ultrahigh Infrared Photoresponse from Core/Shell Single-Domain-VO ₂ /V ₂ O ₅ Heterostructure in Nanobeam (Adv. Funct. Mater. 13/2014). <i>Advanced Functional Materials</i> , 2014 , 24, 1820-1820	15.6	2
83	Large negative magnetoresistance induced by anionic solid solutions in two-dimensional spin-frustrated transition metal chalcogenides. <i>Physical Review Letters</i> , 2014 , 113, 157202	7.4	33
82	Ultrathin nanosheets of ferropyhyte: a new two-dimensional material with robust ferromagnetic behavior. <i>Chemical Science</i> , 2014 , 5, 2251-2255	9.4	72
81	Semimetallic molybdenum disulfide ultrathin nanosheets as an efficient electrocatalyst for hydrogen evolution. <i>Nanoscale</i> , 2014 , 6, 8359-67	7.7	216
80	Ultrahigh Infrared Photoresponse from Core/Shell Single-Domain-VO ₂ /V ₂ O ₅ Heterostructure in Nanobeam. <i>Advanced Functional Materials</i> , 2014 , 24, 1821-1830	15.6	66
79	Two-dimensional vanadyl phosphate ultrathin nanosheets for high energy density and flexible pseudocapacitors. <i>Nature Communications</i> , 2013 , 4, 2431	17.4	304
78	Ultrathin nanosheets of vanadium diselenide: a metallic two-dimensional material with ferromagnetic charge-density-wave behavior. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10477-81	16.4	194
77	Room-temperature large magnetic-dielectric coupling in new phase anatase VTiO(4). <i>Chemical Communications</i> , 2013 , 49, 10462-4	5.8	4
76	Design of vanadium oxide structures with controllable electrical properties for energy applications. <i>Chemical Society Reviews</i> , 2013 , 42, 5157-83	58.5	335
75	Hydrogen-incorporated TiS ₂ ultrathin nanosheets with ultrahigh conductivity for stamp-transferrable electrodes. <i>Journal of the American Chemical Society</i> , 2013 , 135, 5144-51	16.4	228

74	Ultrathin two-dimensional MnO ₂ /graphene hybrid nanostructures for high-performance, flexible planar supercapacitors. <i>Nano Letters</i> , 2013 , 13, 2151-7	11.5	751
73	Synthetic Potassium Vanadium Oxide K ₂ V ₆ O ₁₆ ·1.5H ₂ O Superlong Nanobelts: A 1D Room-Temperature Ferromagnetic Semiconductor. <i>European Journal of Inorganic Chemistry</i> , 2013 , 2013, 3497-3505	2.3	7
72	Ultrathin Nanosheets of Vanadium Diselenide: A Metallic Two-Dimensional Material with Ferromagnetic Charge-Density-Wave Behavior. <i>Angewandte Chemie</i> , 2013 , 125, 10671-10675	3.6	15
71	Atomically thick bismuth selenide freestanding single layers achieving enhanced thermoelectric energy harvesting. <i>Journal of the American Chemical Society</i> , 2012 , 134, 20294-7	16.4	244
70	Fabrication of flexible and freestanding zinc chalcogenide single layers. <i>Nature Communications</i> , 2012 , 3, 1057	17.4	397
69	Ambient rutile VO ₂ (R) hollow architectures with rich grain boundaries from new-state nsutite-type VO ₂ , displaying enhanced hydrogen adsorption behavior. <i>Physical Chemistry Chemical Physics</i> , 2012 , 14, 4810-6	3.6	53
68	New-phase VO ₂ micro/nanostructures: investigation of phase transformation and magnetic property. <i>New Journal of Chemistry</i> , 2012 , 36, 619-625	3.6	89
67	Unraveling metal-insulator transition mechanism of VO ₂ triggered by tungsten doping. <i>Scientific Reports</i> , 2012 , 2, 466	4.9	180
66	Highly entangled K _{0.5} V ₂ O ₅ superlong nanobelt membranes for flexible nonvolatile memory devices. <i>Journal of Materials Chemistry</i> , 2012 , 22, 18214		18
65	Giant moisture responsiveness of VS ₂ ultrathin nanosheets for novel touchless positioning interface. <i>Advanced Materials</i> , 2012 , 24, 1969-74	24	324
64	Large-area graphene realizing ultrasensitive photothermal actuator with high transparency: new prototype robotic motions under infrared-light stimuli. <i>Journal of Materials Chemistry</i> , 2011 , 21, 18584		102
63	Hydrogen-incorporation stabilization of metallic VO ₂ (R) phase to room temperature, displaying promising low-temperature thermoelectric effect. <i>Journal of the American Chemical Society</i> , 2011 , 133, 13798-801	16.4	124
62	Ultrafast Solid-State Transformation Pathway from New-Phased Goethite VOOH to Paramontroseite VO ₂ to Rutile VO ₂ (R). <i>Journal of Physical Chemistry C</i> , 2011 , 115, 791-799	3.8	41
61	Direct hydrothermal synthesis of monoclinic VO ₂ (M) single-domain nanorods on large scale displaying magnetocaloric effect. <i>Journal of Materials Chemistry</i> , 2011 , 21, 4509		88
60	Visible Light Responsive Perovskite BiFeO ₃ Pills and Rods with Dominant {111} _c Facets. <i>Crystal Growth and Design</i> , 2011 , 11, 1049-1053	3.5	106
59	Highly ordered lamellar V ₂ O ₃ -based hybrid nanorods towards superior aqueous lithium-ion battery performance. <i>Journal of Power Sources</i> , 2011 , 196, 8644-8650	8.9	63
58	Metallic few-layered VS ₂ ultrathin nanosheets: high two-dimensional conductivity for in-plane supercapacitors. <i>Journal of the American Chemical Society</i> , 2011 , 133, 17832-8	16.4	886
57	New-phased metastable V(2) O(3) porous urchinlike micronanostructures: facile synthesis and application in aqueous lithium ion batteries. <i>Chemistry - A European Journal</i> , 2011 , 17, 384-91	4.8	62

56	Highly depressed temperature-induced metal-insulator transition in synthetic monodisperse 10-nm V ₂ O ₃ pseudocubes enclosed by {012} facets. <i>Nanoscale</i> , 2011 , 3, 2609-14	7.7	29
55	New aspects of size-dependent metal-insulator transition in synthetic single-domain monoclinic vanadium dioxide nanocrystals. <i>Nanoscale</i> , 2011 , 3, 4394-401	7.7	60
54	First Experimental Identification of BiVO ₄ ·0.4H ₂ O and Its Evolution Mechanism to Final Monoclinic BiVO ₄ . <i>Crystal Growth and Design</i> , 2010 , 10, 602-607	3.5	23
53	Promising vanadium oxide and hydroxide nanostructures: from energy storage to energy saving. <i>Energy and Environmental Science</i> , 2010 , 3, 1191	35.4	153
52	Understanding the nature of the kinetic process in a VO ₂ metal-insulator transition. <i>Physical Review Letters</i> , 2010 , 105, 226405	7.4	152
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