

Ying Ian Chen

List of Publications by Year in descending order

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331
papers

28,076
citations

7096

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6471

157
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341
all docs

341
docs citations

341
times ranked

29288
citing authors

#	ARTICLE	IF	CITATIONS
1	Boron nitride nanosheets for surface-enhanced Raman spectroscopy. <i>Materials Today Physics</i> , 2022, 22, 100575.	6.0	6
2	Advances in synthesis and applications of boron nitride nanotubes: A review. <i>Chemical Engineering Journal</i> , 2022, 431, 134118.	12.7	38
3	Development of a Prototype Thermodynamic Database for Nd-Fe-B Permanent Magnets. <i>Funtai Oyobi Fumatsu Yakin/Journal of the Japan Society of Powder and Powder Metallurgy</i> , 2022, 69, S52-S62.	0.2	0
4	Nanomaterials enhancing the solid-state storage and decomposition of ammonia. <i>Nanotechnology</i> , 2022, 33, 222001.	2.6	4
5	Advanced Dual-Ion Batteries with High-Capacity Negative Electrodes Incorporating Black Phosphorus. <i>Advanced Science</i> , 2022, , 2201116.	11.2	11
6	Superb storage and energy saving separation of hydrocarbon gases in boron nitride nanosheets via a mechanochemical process. <i>Materials Today</i> , 2022, 57, 26-34.	14.2	6
7	Microstructural and mechanical properties of plasma sprayed boron nitride nanotubes reinforced alumina coating. <i>Ceramics International</i> , 2021, 47, 9194-9202.	4.8	8
8	Anticorrosive and UV-blocking waterborne polyurethane composite coating containing novel two-dimensional Ti ₃ C ₂ MXene nanosheets. <i>Journal of Materials Science</i> , 2021, 56, 4212-4224.	3.7	65
9	Mechanochemistry: A force in disguise and conditional effects towards chemical reactions. <i>Chemical Communications</i> , 2021, 57, 1080-1092.	4.1	112
10	Strategies, design and synthesis of advanced nanostructured electrodes for rechargeable batteries. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5897-5931.	5.9	15
11	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. <i>Materials Today</i> , 2021, 44, 194-210.	14.2	52
12	End-of-Life Photovoltaic Recycled Silicon: A Sustainable Circular Materials Source for Electronic Industries. <i>Advanced Energy and Sustainability Research</i> , 2021, 2, 2100081.	5.8	9
13	Doping engineering on carbons as electrocatalysts for oxygen reduction reaction. <i>Fundamental Research</i> , 2021, 1, 807-823.	3.3	19
14	Development of a prototype thermodynamic database for Nd-Fe-B permanent magnets. <i>Science and Technology of Advanced Materials</i> , 2021, 22, 557-570.	6.1	9
15	Nano germanium incorporated thin graphite nanoplatelets: A novel germanium based lithium-ion battery anode with enhanced electrochemical performance. <i>Electrochimica Acta</i> , 2021, 391, 139001.	5.2	9
16	Boron Nitride Nanosheet Dispersion at High Concentrations. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 44751-44759.	8.0	30
17	Nanoparticle-mediated ultra grain refinement and reinforcement in additively manufactured titanium alloys. <i>Additive Manufacturing</i> , 2021, 46, 102173.	3.0	8
18	Lithium-metal polysulfide batteries with free-standing MoS _x C _y thin-film cathodes. <i>Journal of Power Sources</i> , 2021, 511, 230445.	7.8	4

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19	An Ultra-Long-Life Flexible Lithium-Sulfur Battery with Lithium Cloth Anode and Polysulfone-Functionalized Separator. ACS Nano, 2021, 15, 1358-1369.	14.6	53
20	Huge Lithium Storage in 2D Bilayer Structures with Point Defects. Journal of Physical Chemistry C, 2021, 125, 23597-23603.	3.1	6
21	Approaching Reactive $KFePO_4$ Phase for Potassium Storage by Adopting an Advanced Design Strategy. Batteries and Supercaps, 2020, 3, 450-455.	4.7	25
22	Documenting capacity and cyclic stability enhancements in synthetic graphite potassium-ion battery anode material modified by low-energy liquid phase ball milling. Journal of Power Sources, 2020, 476, 228733.	7.8	25
23	Ultra-fast and high-energy density polysulfide-ion batteries. Journal of Power Sources, 2020, 477, 229018.	7.8	5
24	Two-Dimensional Nanomaterials for Anticorrosive Polymeric Coatings: A Review. Industrial & Engineering Chemistry Research, 2020, 59, 15424-15446.	3.7	94
25	A Self-Healing Amalgam Interface in Metal Batteries. Advanced Materials, 2020, 32, e2004798.	21.0	34
26	<i>In situ</i> production of a two-dimensional molybdenum disulfide/graphene hybrid nanosheet anode for lithium-ion batteries. RSC Advances, 2020, 10, 12754-12758.	3.6	12
27	Amine-Functionalized Boron Nitride Nanosheets: A New Functional Additive for Robust, Flexible Ion Gel Electrolyte with High Lithium-Ion Transference Number. Advanced Functional Materials, 2020, 30, 1910813.	14.9	86
28	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. ACS Applied Materials & Interfaces, 2020, 12, 21985-21991.	8.0	17
29	Probing electrochemical reactivity in an Sb_2S_3 -containing potassium-ion battery anode: observation of an increased capacity. Journal of Materials Chemistry A, 2020, 8, 11424-11434.	10.3	30
30	Nitrogen-Doped Graphene Chainmail Wrapped IrCo Alloy Particles on Nitrogen-Doped Graphene Nanosheet for Highly Active and Stable Full Water Splitting. ChemCatChem, 2019, 11, 5457-5465.	3.7	20
31	Promotion of the performance of nitrogen-doped graphene by secondary heteroatoms doping in energy transformation and storage. Ionics, 2019, 25, 3499-3522.	2.4	7
32	Atomically Thin Boron Nitride as an Ideal Spacer for Metal-Enhanced Fluorescence. ACS Nano, 2019, 13, 12184-12191.	14.6	24
33	<i>In situ</i> doping and synthesis of two-dimensional nanomaterials using mechano-chemistry. Nanoscale Horizons, 2019, 4, 642-646.	8.0	10
34	High thermal conductivity of high-quality monolayer boron nitride and its thermal expansion. Science Advances, 2019, 5, eaav0129.	10.3	308
35	Revealing important role of graphitic carbon nitride surface catalytic activity in photocatalytic hydrogen evolution by using different carbon co-catalysts. Applied Surface Science, 2019, 491, 236-244.	6.1	14
36	Highly Compressive Boron Nitride Nanotube Aerogels Reinforced with Reduced Graphene Oxide. ACS Nano, 2019, 13, 7402-7409.	14.6	115

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37	Repelling Polysulfide Ions by Boron Nitride Nanosheet Coated Separators in Lithium-Sulfur Batteries. ACS Applied Energy Materials, 2019, 2, 2620-2628.	5.1	32
38	High temperature and high rate lithium-ion batteries with boron nitride nanotubes coated polypropylene separators. Energy Storage Materials, 2019, 19, 352-359.	18.0	82
39	Three-Dimensional Functionalized Boron Nitride Nanosheets/ZnO Superstructures for CO ₂ Capture. ACS Applied Materials & Interfaces, 2019, 11, 10276-10282.	8.0	37
40	Two-in-one solution using insect wings to produce graphene-graphite films for efficient electrocatalysis. Nano Research, 2019, 12, 33-39.	10.4	29
41	Antimony-carbon nanocomposites for potassium-ion batteries: Insight into the failure mechanism in electrodes and possible avenues to improve cyclic stability. Journal of Power Sources, 2019, 413, 476-484.	7.8	49
42	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. ACS Nano, 2019, 13, 1394-1402.	14.6	39
43	Additive-Free Nb ₂ O ₅ /TiO ₂ Hybrid Anode towards Low-Cost and Safe Lithium-Ion Batteries: A Green Electrode Material Produced in an Environmentally Friendly Process. Batteries and Supercaps, 2019, 2, 160-167.	4.7	9
44	Vertically aligned β -AlOOH nanosheets on Al foils as flexible and reusable substrates for NH ₃ adsorption. Frontiers of Physics, 2018, 13, 1.	5.0	3
45	Tuning active sites on cobalt/nitrogen doped graphene for electrocatalytic hydrogen and oxygen evolution. Electrochimica Acta, 2018, 265, 497-506.	5.2	56
46	Computational phase diagrams for the Nd-based magnets based on the combined ab initio/CALPHAD approach. Scripta Materialia, 2018, 154, 305-310.	5.2	13
47	Nanocavity-in-Multiple Nanogap Plasmonic Coupling Effects from Vertical Sandwich-Like Au@Al ₂ O ₃ @Au Arrays for Surface-Enhanced Raman Scattering. ACS Applied Materials & Interfaces, 2018, 10, 8317-8323.	8.0	18
48	Boron nitride nanosheets reinforced waterborne polyurethane coatings for improving corrosion resistance and antifriction properties. European Polymer Journal, 2018, 104, 57-63.	5.4	78
49	Formation of hollow MoS ₂ /carbon microspheres for high capacity and high rate reversible alkali-ion storage. Journal of Materials Chemistry A, 2018, 6, 8280-8288.	10.3	62
50	Nanofluidic electric generators constructed from boron nitride nanosheet membranes. Nano Energy, 2018, 47, 368-373.	16.0	57
51	Biocompatibility of boron nitride nanosheets. Nano Research, 2018, 11, 334-342.	10.4	98
52	Effect of warm rolling and annealing on the mechanical properties of aluminum composite reinforced with boron nitride nanotubes. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2018, 710, 366-373.	5.6	30
53	Synthesis of Composite Nanosheets of Graphene and Boron Nitride and Their Lubrication Application in Oil. Advanced Engineering Materials, 2018, 20, 1700488.	3.5	35
54	Potassium-Ion Battery Anode Materials Operating through the Alloying-Dealloying Reaction Mechanism. Advanced Functional Materials, 2018, 28, 1703857.	14.9	305

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55	All-solid-state high-energy planar asymmetric supercapacitors based on all-in-one monolithic film using boron nitride nanosheets as separator. <i>Energy Storage Materials</i> , 2018, 10, 24-31.	18.0	55
56	Surface-enhanced Raman on gold nanoparticles for the identification of the most common adulterant of <i>Astragali Radix</i> . <i>Spectroscopy Letters</i> , 2018, 51, 389-394.	1.0	6
57	Rigorous and Accurate Contrast Spectroscopy for Ultimate Thickness Determination of Micrometer-Sized Graphene on Gold and Molecular Sensing. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22520-22528.	8.0	12
58	One-step template-free synthesis of 3D functionalized flower-like boron nitride nanosheets for NH ₃ and CO ₂ adsorption. <i>Nanoscale</i> , 2018, 10, 10979-10985.	5.6	45
59	A Review of Advanced Flexible Lithium-Ion Batteries. <i>Advanced Materials Technologies</i> , 2018, 3, 1700375.	5.8	73
60	Nanoflake Arrays of Lithiophilic Metal Oxides for the Ultra-Stable Anodes of Lithium-Metal Batteries. <i>Advanced Functional Materials</i> , 2018, 28, 1803023.	14.9	156
61	Improving thermal conductivity of polymer composites by reducing interfacial thermal resistance between boron nitride nanotubes. <i>Composites Science and Technology</i> , 2018, 165, 322-330.	7.8	98
62	Bulk Hexagonal Boron Nitride with a Quasi-Isotropic Thermal Conductivity. <i>Advanced Functional Materials</i> , 2018, 28, 1707556.	14.9	78
63	Functionalized Boron Nitride Nanosheets/Graphene Interlayer for Fast and Long-Life Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017, 7, 1602380.	19.5	201
64	Raman signature and phonon dispersion of atomically thin boron nitride. <i>Nanoscale</i> , 2017, 9, 3059-3067.	5.6	141
65	Molecule-Level g-C ₃ N ₄ Coordinated Transition Metals as a New Class of Electrocatalysts for Oxygen Electrode Reactions. <i>Journal of the American Chemical Society</i> , 2017, 139, 3336-3339.	13.7	1,094
66	K-ion and Na-ion storage performances of Co ₃ O ₄ @Fe ₂ O ₃ nanoparticle-decorated super P carbon black prepared by a ball milling process. <i>Nanoscale</i> , 2017, 9, 3646-3654.	5.6	176
67	Porous BN/TiO ₂ hybrid nanosheets as highly efficient visible-light-driven photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017, 207, 72-78.	20.2	86
68	High and Stable Ionic Conductivity in 2D Nanofluidic Ion Channels between Boron Nitride Layers. <i>Journal of the American Chemical Society</i> , 2017, 139, 6314-6320.	13.7	193
69	Highly efficient oxygen evolution from CoS ₂ /CNT nanocomposites via a one-step electrochemical deposition and dissolution method. <i>Nanoscale</i> , 2017, 9, 6886-6894.	5.6	55
70	Dumbbell-Shaped Bi-Component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 8579-8583.	2.0	34
71	Dumbbell-Shaped Bi-Component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 8459-8463.	13.8	204
72	Nanocrystalline SnS ₂ coated onto reduced graphene oxide: demonstrating the feasibility of a non-graphitic anode with sulfide chemistry for potassium-ion batteries. <i>Chemical Communications</i> , 2017, 53, 8272-8275.	4.1	197

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73	Anode Improvement in Rechargeable Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017, 29, 1700542.	21.0	225
74	Mechanical properties of atomically thin boron nitride and the role of interlayer interactions. <i>Nature Communications</i> , 2017, 8, 15815.	12.8	576
75	Programmable graphene doping via electron beam irradiation. <i>Nanoscale</i> , 2017, 9, 8657-8664.	5.6	20
76	Flower stamen-like porous boron carbon nitride nanoscrolls for water cleaning. <i>Nanoscale</i> , 2017, 9, 9787-9791.	5.6	89
77	High-performance lithium ion batteries using SiO ₂ -coated LiNi _{0.5} Co _{0.2} Mn _{0.3} O ₂ microspheres as cathodes. <i>Journal of Alloys and Compounds</i> , 2017, 709, 708-716.	5.5	90
78	Hierarchical Porous Yolk-Shell Carbon Nanosphere for High-Performance Lithium-Sulfur Batteries. <i>Particle and Particle Systems Characterization</i> , 2017, 34, 1600281.	2.3	34
79	Porous Boron Carbon Nitride Nanosheets as Efficient Metal-Free Catalysts for the Oxygen Reduction Reaction in Both Alkaline and Acidic Solutions. <i>ACS Energy Letters</i> , 2017, 2, 306-312.	17.4	176
80	High capacity potassium-ion battery anodes based on black phosphorus. <i>Journal of Materials Chemistry A</i> , 2017, 5, 23506-23512.	10.3	232
81	Boron nitride nanotube reinforced titanium metal matrix composites with excellent high-temperature performance. <i>Journal of Materials Research</i> , 2017, 32, 3744-3752.	2.6	24
82	Maricite NaFePO ₄ /C/graphene: a novel hybrid cathode for sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2017, 5, 16616-16621.	10.3	50
83	Layer-by-Layer Assembly Fabrication of Porous Boron Nitride Coated Multifunctional Materials for Water Cleaning. <i>Advanced Materials Interfaces</i> , 2017, 4, 1700392.	3.7	30
84	Enhanced electrochemical performance of ZrO ₂ modified LiNi _{0.6} Co _{0.2} Mn _{0.2} O ₂ cathode material for lithium ion batteries. <i>Ceramics International</i> , 2017, 43, 15173-15178.	4.8	64
85	BN Nanosheet/Polymer Films with Highly Anisotropic Thermal Conductivity for Thermal Management Applications. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 43163-43170.	8.0	190
86	Synthesis of porous polyvinylidene fluoride (PVDF) microspheres and their application in lithium sulfur batteries. <i>Materials Letters</i> , 2017, 188, 180-183.	2.6	10
87	Two-Dimensional Metal Oxide Nanoflower-Like Architectures: A General Growth Method and Their Applications in Energy Storage and as Model Materials for Nanofabrication. <i>ChemPlusChem</i> , 2017, 82, 295-302.	2.8	6
88	Interfacial reactions between titanium and boron nitride nanotubes. <i>Scripta Materialia</i> , 2017, 127, 108-112.	5.2	27
89	Boron nitride nanotube films: preparation, properties, and implications for biology Applications. , 2016, , 165-181.		0
90	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 8405-8409.	13.8	73

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91	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2016, 128, 8545-8549.	2.0	13
92	Quantitative secondary electron imaging for work function extraction at atomic level and layer identification of graphene. <i>Scientific Reports</i> , 2016, 6, 21045.	3.3	26
93	Lithium-ion capacitors with 2D Nb ₂ CTx (MXene) - carbon nanotube electrodes. <i>Journal of Power Sources</i> , 2016, 326, 686-694.	7.8	175
94	Impact of size on energy storage performance of graphene based supercapacitor electrode. <i>Electrochimica Acta</i> , 2016, 219, 463-469.	5.2	32
95	Molecule-Induced Conformational Change in Boron Nitride Nanosheets with Enhanced Surface Adsorption. <i>Advanced Functional Materials</i> , 2016, 26, 8202-8210.	14.9	47
96	High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. <i>Journal of the American Chemical Society</i> , 2016, 138, 16174-16181.	13.7	852
97	Lithium Germanate (Li ₂ GeO ₃): A High-Performance Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie</i> , 2016, 128, 16293-16297.	2.0	11
98	Lithium Germanate (Li ₂ GeO ₃): A High-Performance Anode Material for Lithium-Ion Batteries. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 16059-16063.	13.8	32
99	A lightweight multifunctional interlayer of sulfur-nitrogen dual-doped graphene for ultrafast, long-life lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2016, 4, 15343-15352.	10.3	120
100	Efficient photocatalytic reduction of aqueous Cr(VI) over porous BNNSs/TiO ₂ nanocomposites under visible light irradiation. <i>Catalysis Science and Technology</i> , 2016, 6, 8309-8313.	4.1	25
101	Anomalous Enhancement of Mechanical Properties in the Ammonia Adsorbed Defective Graphene. <i>Scientific Reports</i> , 2016, 6, 33810.	3.3	3
102	Gas Protection of Two-Dimensional Nanomaterials from High-Energy Impacts. <i>Scientific Reports</i> , 2016, 6, 35532.	3.3	52
103	Size and Composition Effects in Sb-Carbon Nanocomposites for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 30152-30164.	8.0	63
104	Boron Nitride Nanosheet-Veiled Gold Nanoparticles for Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 15630-15636.	8.0	54
105	Tin-based composite anodes for potassium-ion batteries. <i>Chemical Communications</i> , 2016, 52, 9279-9282.	4.1	356
106	Subnanometer Molybdenum Sulfide on Carbon Nanotubes as a Highly Active and Stable Electrocatalyst for Hydrogen Evolution Reaction. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 3543-3550.	8.0	72
107	In situ prepared V ₂ O ₅ /graphene hybrid as a superior cathode material for lithium-ion batteries. <i>RSC Advances</i> , 2016, 6, 35287-35294.	3.6	14
108	Atomically Thin Boron Nitride: Unique Properties and Applications. <i>Advanced Functional Materials</i> , 2016, 26, 2594-2608.	14.9	400

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109	Identification and topographical characterisation of microbial nanowires in <i>Nostoc punctiforme</i> . <i>Antonie Van Leeuwenhoek</i> , 2016, 109, 475-480.	1.7	10
110	Advanced N-doped mesoporous molybdenum disulfide nanosheets and the enhanced lithium-ion storage performance. <i>Journal of Materials Chemistry A</i> , 2016, 4, 1440-1445.	10.3	55
111	Superior adsorption of pharmaceutical molecules by highly porous BN nanosheets. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 84-88.	2.8	80
112	Inquisition of <i>Microcystis aeruginosa</i> and <i>Synechocystis</i> nanowires: characterization and modelling. <i>Antonie Van Leeuwenhoek</i> , 2015, 108, 1213-1225.	1.7	32
113	Highly Crumpled Boron Nitride Nanosheets as Adsorbents: Scalable Solvent-Free Production. <i>Advanced Materials Interfaces</i> , 2015, 2, 1400529.	3.7	108
114	Multifunctional Polymer/Porous Boron Nitride Nanosheet Membranes for Superior Trapping Emulsified Oils and Organic Molecules. <i>Advanced Materials Interfaces</i> , 2015, 2, 1500228.	3.7	106
115	Lithium storage in disordered graphitic materials: a semi-quantitative study of the relationship between structure disordering and capacity. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5084-5089.	2.8	13
116	Growth of Single-Walled Carbon Nanotubes from Well-Defined POSS Nanoclusters Structure. <i>Nano</i> , 2015, 10, 1550004.	1.0	0
117	Enhanced lithium storage in ZnFe ₂ O ₄ @C nanocomposite produced by a low-energy ball milling. <i>Journal of Power Sources</i> , 2015, 282, 462-470.	7.8	67
118	Titanium Dioxide Nanotube Films for Electrochemical Supercapacitors: Biocompatibility and Operation in an Electrolyte Based on a Physiological Fluid. <i>Journal of the Electrochemical Society</i> , 2015, 162, A5065-A5069.	2.9	37
119	Phosphorus-carbon nanocomposite anodes for lithium-ion and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5572-5584.	10.3	241
120	Scalable production of wrinkled and few-layered graphene sheets and their use for oil and organic solvent absorption. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 6913-6918.	2.8	23
121	Boron nitride nanosheets as improved and reusable substrates for gold nanoparticles enabled surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 7761-7766.	2.8	61
122	Synthesis of an indium oxide nanoparticle embedded graphene three-dimensional architecture for enhanced lithium-ion storage. <i>Journal of Materials Chemistry A</i> , 2015, 3, 18238-18243.	10.3	24
123	Ex situ electrochemical sodiation/desodiation observation of Co ₃ O ₄ anchored carbon nanotubes: a high performance sodium-ion battery anode produced by pulsed plasma in a liquid. <i>Nanoscale</i> , 2015, 7, 13088-13095.	5.6	80
124	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , 2015, 15, 5307-5313.	9.1	171
125	Hydrangea-like multi-scale carbon hollow submicron spheres with hierarchical pores for high performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2015, 176, 207-214.	5.2	39
126	Study on topological properties in two-dimensional grain networks via large-scale Monte Carlo simulation. <i>Computational Materials Science</i> , 2015, 103, 165-169.	3.0	9

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127	Self-assembled V ₂ O ₅ interconnected microspheres produced in a fish-water electrolyte medium as a high-performance lithium-ion-battery cathode. Nano Research, 2015, 8, 3591-3603.	10.4	27
128	Field emission properties from boron nitride nanotube field emitters. , 2015, , .		1
129	Single layer lead iodide: computational exploration of structural, electronic and optical properties, strain induced band modulation and the role of spin-orbital-coupling. Nanoscale, 2015, 7, 15168-15174.	5.6	80
130	Understanding Structure-Function Relationship in Hybrid Co ₃ O ₄ -Fe ₂ O ₃ /C Lithium-Ion Battery Electrodes. ACS Applied Materials & Interfaces, 2015, 7, 20736-20744.	8.0	37
131	Boron nitride colloidal solutions, ultralight aerogels and freestanding membranes through one-step exfoliation and functionalization. Nature Communications, 2015, 6, 8849.	12.8	658
132	Superhydrophobic and Superoleophilic Porous Boron Nitride Nanosheet/Polyvinylidene Fluoride Composite Material for Oil-Polluted Water Cleanup. Advanced Materials Interfaces, 2015, 2, 1400267.	3.7	125
133	Dielectric Screening in Atomically Thin Boron Nitride Nanosheets. Nano Letters, 2015, 15, 218-223.	9.1	129
134	High N-content holey few-layered graphene electrocatalysts: scalable solvent-less production. Journal of Materials Chemistry A, 2015, 3, 1682-1687.	10.3	39
135	Boron Nitride Nanotubes and Nanoribbons Produced by Ball Milling Method. , 2015, , 33-58.		0
136	Pd embedded in porous carbon (Pd@CMK-3) as an active catalyst for Suzuki reactions: Accelerating mass transfer to enhance the reaction rate. Nano Research, 2014, 7, 1254-1262.	10.4	23
137	Boron Nitride Nanosheets for Metal Protection. Advanced Materials Interfaces, 2014, 1, 1300132.	3.7	141
138	Long-range topological correlations of real polycrystalline grains in two dimensions. Materials Characterization, 2014, 97, 178-182.	4.4	7
139	Effect of sintering temperature on electrochemical performance of LiFe _{0.4} Mn _{0.6} PO ₄ /C cathode materials. Materials Research Innovations, 2014, 18, S4-2-S4-5.	2.3	1
140	Stable anode performance of an Sb-carbon nanocomposite in lithium-ion batteries and the effect of ball milling mode in the course of its preparation. Journal of Materials Chemistry A, 2014, 2, 4282.	10.3	92
141	Supplementing Cold Plasma with Heat Enables Doping and Nano-Structuring of Metal Oxides. Plasma Processes and Polymers, 2014, 11, 897-902.	3.0	1
142	Electric contributions to magnetic force microscopy response from graphene and MoS ₂ nanosheets. Journal of Applied Physics, 2014, 116, .	2.5	19
143	Electrochemical performance of LiFe _{1-x} MnxPO ₄ /C materials prepared by ball milling. Materials Research Innovations, 2014, 18, S4-6-S4-9.	2.3	0
144	Verification of a generalized Aboav-Weaire law via experiment and large-scale simulation. Europhysics Letters, 2014, 105, 68001.	2.0	1

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145	Optimization of milling parameters on the synthesis of stearic acid coated CaCO ₃ nanoparticles. Journal of Coatings Technology Research, 2014, 11, 273-282.	2.5	21
146	Hydrogen evolution by a metal-free electrocatalyst. Nature Communications, 2014, 5, 3783.	12.8	1,851
147	Sulfur-impregnated, Sandwich-Type, Hybrid Carbon Nanosheets with Hierarchical Porous Structure for High-Performance Lithium-Sulfur Batteries. Advanced Energy Materials, 2014, 4, 1301988.	19.5	130
148	Strong Oxidation Resistance of Atomically Thin Boron Nitride Nanosheets. ACS Nano, 2014, 8, 1457-1462.	14.6	633
149	Temperature-dependent Raman spectra of bamboo-like boron nitride nanotubes. Applied Physics Express, 2014, 7, 022401.	2.4	7
150	Excellent electrochemical performance of LiFe _{0.4} Mn _{0.6} PO ₄ microspheres produced using a double carbon coating process. Journal of Materials Chemistry A, 2014, 2, 18831-18837.	10.3	31
151	Advancement in liquid exfoliation of graphite through simultaneously oxidizing and ultrasonicing. Journal of Materials Chemistry A, 2014, 2, 20382-20392.	10.3	22
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