

Ying Ian Chen

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.

324
papers

22,367
citations

70
h-index

141
g-index

341
ext. papers

25,211
ext. citations

7
avg, IF

7.16
L-index

#	Paper	IF	Citations
324	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}		
323	Boron nitride nanosheets for surface-enhanced Raman spectroscopy. <i>Materials Today Physics</i> , 2022 , 22, 100575	8	0
322	Advances in synthesis and applications of boron nitride nanotubes: A review. <i>Chemical Engineering Journal</i> , 2022 , 431, 134118	14.7	4
321	Advanced Dual-Ion Batteries with High-Capacity Negative Electrodes Incorporating Black Phosphorus.. <i>Advanced Science</i> , 2022 , e2201116	13.6	1
320	An Ultra-Long-Life Flexible Lithium-Sulfur Battery with Lithium Cloth Anode and Polysulfone-Functionalized Separator. <i>ACS Nano</i> , 2021 , 15, 1358-1369	16.7	19
319	Challenges and solutions in surface engineering and assembly of boron nitride nanosheets. <i>Materials Today</i> , 2021 , 44, 194-210	21.8	10
318	End-of-Life Photovoltaic Recycled Silicon: A Sustainable Circular Materials Source for Electronic Industries. <i>Advanced Energy and Sustainability Research</i> , 2021 , 2, 2100081	1.6	1
317	Microstructural and mechanical properties of plasma sprayed boron nitride nanotubes reinforced alumina coating. <i>Ceramics International</i> , 2021 , 47, 9194-9202	5.1	2
316	Anticorrosive and UV-blocking waterborne polyurethane composite coating containing novel two-dimensional Ti3C2 MXene nanosheets. <i>Journal of Materials Science</i> , 2021 , 56, 4212-4224	4.3	18
315	Mechanochemistry: A force in disguise and conditional effects towards chemical reactions. <i>Chemical Communications</i> , 2021 , 57, 1080-1092	5.8	31
314	Strategies, design and synthesis of advanced nanostructured electrodes for rechargeable batteries. <i>Materials Chemistry Frontiers</i> , 2021 , 5, 5897-5931	7.8	4
313	Doping engineering on carbons as electrocatalysts for oxygen reduction reaction. <i>Fundamental Research</i> , 2021 , 1, 807-807		1
312	Development of a prototype thermodynamic database for Nd-Fe-B permanent magnets. <i>Science and Technology of Advanced Materials</i> , 2021 , 22, 557-570	7.1	3
311	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	6.7	4
310	Boron Nitride Nanosheet Dispersion at High Concentrations. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 44751-44759	9.5	3
309	Nanoparticle-mediated ultra grain refinement and reinforcement in additively manufactured titanium alloys. <i>Additive Manufacturing</i> , 2021 , 46, 102173	6.1	3
308	Lithium-metal polysulfide batteries with free-standing MoSxCy thin-film cathodes. <i>Journal of Power Sources</i> , 2021 , 511, 230445	8.9	0

307	production of a two-dimensional molybdenum disulfide/graphene hybrid nanosheet anode for lithium-ion batteries.. <i>RSC Advances</i> , 2020 , 10, 12754-12758	3.7	6
306	Amine-Functionalized Boron Nitride Nanosheets: A New Functional Additive for Robust, Flexible Ion Gel Electrolyte with High Lithium-Ion Transference Number. <i>Advanced Functional Materials</i> , 2020 , 30, 1910813	15.6	41
305	Probing electrochemical reactivity in an Sb ₂ S ₃ -containing potassium-ion battery anode: observation of an increased capacity. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 11424-11434	13	16
304	Approaching Reactive KFePO ₄ Phase for Potassium Storage by Adopting an Advanced Design Strategy. <i>Batteries and Supercaps</i> , 2020 , 3, 450-455	5.6	15
303	Documenting capacity and cyclic stability enhancements in synthetic graphite potassium-ion battery anode material modified by low-energy liquid phase ball milling. <i>Journal of Power Sources</i> , 2020 , 476, 228733	8.9	12
302	Ultra-fast and high-energy density polysulfide-eight ion batteries. <i>Journal of Power Sources</i> , 2020 , 477, 229018	8.9	4
301	Two-Dimensional Nanomaterials for Anticorrosive Polymeric Coatings: A Review. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 15424-15446	3.9	40
300	A Self-Healing Amalgam Interface in Metal Batteries. <i>Advanced Materials</i> , 2020 , 32, e2004798	24	11
299	Two-Dimensional Van der Waals Heterostructures for Synergistically Improved Surface-Enhanced Raman Spectroscopy. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 21985-21991	9.5	10
298	Atomically Thin Boron Nitride as an Ideal Spacer for Metal-Enhanced Fluorescence. <i>ACS Nano</i> , 2019 , 13, 12184-12191	16.7	14
297	In situ doping and synthesis of two-dimensional nanomaterials using mechano-chemistry. <i>Nanoscale Horizons</i> , 2019 , 4, 642-646	10.8	6
296	High thermal conductivity of high-quality monolayer boron nitride and its thermal expansion. <i>Science Advances</i> , 2019 , 5, eaav0129	14.3	143
295	Revealing important role of graphitic carbon nitride surface catalytic activity in photocatalytic hydrogen evolution by using different carbon co-catalysts. <i>Applied Surface Science</i> , 2019 , 491, 236-244	6.7	12
294	Highly Compressive Boron Nitride Nanotube Aerogels Reinforced with Reduced Graphene Oxide. <i>ACS Nano</i> , 2019 , 13, 7402-7409	16.7	70
293	Repelling Polysulfide Ions by Boron Nitride Nanosheet Coated Separators in Lithium Sulfur Batteries. <i>ACS Applied Energy Materials</i> , 2019 , 2, 2620-2628	6.1	26
292	High temperature and high rate lithium-ion batteries with boron nitride nanotubes coated polypropylene separators. <i>Energy Storage Materials</i> , 2019 , 19, 352-359	19.4	38
291	Three-Dimensional Functionalized Boron Nitride Nanosheets/ZnO Superstructures for CO Capture. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 10276-10282	9.5	20
290	Nitrogen-doped Graphene Chainmail Wrapped IrCo Alloy Particles on Nitrogen-doped Graphene Nanosheet for Highly Active and Stable Full Water Splitting. <i>ChemCatChem</i> , 2019 , 11, 5457-5465	5.2	12

289	Promotion of the performance of nitrogen-doped graphene by secondary heteroatoms doping in energy transformation and storage. <i>Ionics</i> , 2019 , 25, 3499-3522	2.7	2
288	Two-in-one solution using insect wings to produce graphene-graphite films for efficient electrocatalysis. <i>Nano Research</i> , 2019 , 12, 33-39	10	22
287	Antimony-carbon nanocomposites for potassium-ion batteries: Insight into the failure mechanism in electrodes and possible avenues to improve cyclic stability. <i>Journal of Power Sources</i> , 2019 , 413, 476-484	8.9	43
286	Boron Radicals Identified as the Source of the Unexpected Catalysis by Boron Nitride Nanosheets. <i>ACS Nano</i> , 2019 , 13, 1394-1402	16.7	27
285	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. <i>Batteries and Supercaps</i> , 2019 , 2, 160-167	5.6	4
284	Vertically aligned AlOOH nanosheets on Al foils as flexible and reusable substrates for NH ₃ adsorption. <i>Frontiers of Physics</i> , 2018 , 13, 1	3.7	3
283	Tuning active sites on cobalt/nitrogen doped graphene for electrocatalytic hydrogen and oxygen evolution. <i>Electrochimica Acta</i> , 2018 , 265, 497-506	6.7	40
282	Computational phase diagrams for the Nd-based magnets based on the combined ab initio/CALPHAD approach. <i>Scripta Materialia</i> , 2018 , 154, 305-310	5.6	9
281	Nanocavity-in-Multiple Nanogap Plasmonic Coupling Effects from Vertical Sandwich-Like Au@AlO@Au Arrays for Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 8317-8323	9.5	13
280	Boron nitride nanosheets reinforced waterborne polyurethane coatings for improving corrosion resistance and antifriction properties. <i>European Polymer Journal</i> , 2018 , 104, 57-63	5.2	47
279	Formation of hollow MoS ₂ /carbon microspheres for high capacity and high rate reversible alkali-ion storage. <i>Journal of Materials Chemistry A</i> , 2018 , 6, 8280-8288	13	56
278	Nanofluidic electric generators constructed from boron nitride nanosheet membranes. <i>Nano Energy</i> , 2018 , 47, 368-373	17.1	38
277	Biocompatibility of boron nitride nanosheets. <i>Nano Research</i> , 2018 , 11, 334-342	10	64
276	Effect of warm rolling and annealing on the mechanical properties of aluminum composite reinforced with boron nitride nanotubes. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018 , 710, 366-373	5.3	19
275	Synthesis of Composite Nanosheets of Graphene and Boron Nitride and Their Lubrication Application in Oil. <i>Advanced Engineering Materials</i> , 2018 , 20, 1700488	3.5	19
274	A Review of Advanced Flexible Lithium-Ion Batteries. <i>Advanced Materials Technologies</i> , 2018 , 3, 17003756.8		50
273	Nanoflake Arrays of Lithiophilic Metal Oxides for the Ultra-Stable Anodes of Lithium-Metal Batteries. <i>Advanced Functional Materials</i> , 2018 , 28, 1803023	15.6	102
272	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	8.6	69

271	Bulk Hexagonal Boron Nitride with a Quasi-Isotropic Thermal Conductivity. <i>Advanced Functional Materials</i> , 2018 , 28, 1707556	15.6	45
270	Potassium-Ion Battery Anode Materials Operating through the Alloying/Dealloying Reaction Mechanism. <i>Advanced Functional Materials</i> , 2018 , 28, 1703857	15.6	252
269	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	19.4	50
268	Surface-enhanced Raman on gold nanoparticles for the identification of the most common adulterant of Astragali Radix. <i>Spectroscopy Letters</i> , 2018 , 51, 389-394	1.1	1
267	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	9.5	8
266	One-step template-free synthesis of 3D functionalized flower-like boron nitride nanosheets for NH ₃ and CO adsorption. <i>Nanoscale</i> , 2018 , 10, 10979-10985	7.7	30
265	Functionalized Boron Nitride Nanosheets/Graphene Interlayer for Fast and Long-Life Lithium/Sulfur Batteries. <i>Advanced Energy Materials</i> , 2017 , 7, 1602380	21.8	155
264	Raman signature and phonon dispersion of atomically thin boron nitride. <i>Nanoscale</i> , 2017 , 9, 3059-3067	7.7	104
263	Molecule-Level g-CN 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	16.4	816
262	K-ion and Na-ion storage performances of CoO-FeO nanoparticle-decorated super P carbon black prepared by a ball milling process. <i>Nanoscale</i> , 2017 , 9, 3646-3654	7.7	139
261	Porous BN/TiO ₂ hybrid nanosheets as highly efficient visible-light-driven photocatalysts. <i>Applied Catalysis B: Environmental</i> , 2017 , 207, 72-78	21.8	67
260	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	16.4	127
259	Highly efficient oxygen evolution from CoS/CNT nanocomposites via a one-step electrochemical deposition and dissolution method. <i>Nanoscale</i> , 2017 , 9, 6886-6894	7.7	38
258	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie</i> , 2017 , 129, 8579-8583	3.6	23
257	Dumbbell-Shaped Bi-component Mesoporous Janus Solid Nanoparticles for Biphasic Interface Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 8459-8463	16.4	152
256	Nanocrystalline SnS 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	5.8	164
255	Anode Improvement in Rechargeable Lithium-Sulfur Batteries. <i>Advanced Materials</i> , 2017 , 29, 1700542	24	154
254	Mechanical properties of atomically thin boron nitride and the role of interlayer interactions. <i>Nature Communications</i> , 2017 , 8, 15815	17.4	371

- 253 Programmable graphene doping via electron beam irradiation. *Nanoscale*, **2017**, 9, 8657-8664 7.7 13
- 252 Flower stamen-like porous boron carbon nitride nanoscrolls for water cleaning. *Nanoscale*, **2017**, 9, 9787-9791 66
- 251 High-performance lithium ion batteries using SiO₂-coated LiNi_{0.5}Co_{0.2}Mn_{0.3}O₂ microspheres as cathodes. *Journal of Alloys and Compounds*, **2017**, 709, 708-716 5.7 67
- 250 Hierarchical Porous Yolk-Shell Carbon Nanosphere for High-Performance Lithium-Sulfur Batteries. *Particle and Particle Systems Characterization*, **2017**, 34, 1600281 3.1 31
- 249 Porous Boron Carbon Nitride Nanosheets as Efficient Metal-Free Catalysts for the Oxygen Reduction Reaction in Both Alkaline and Acidic Solutions. *ACS Energy Letters*, **2017**, 2, 306-312 20.1 134
- 248 High capacity potassium-ion battery anodes based on black phosphorus. *Journal of Materials Chemistry A*, **2017**, 5, 23506-23512 13 191
- 247 Boron nitride nanotube reinforced titanium metal matrix composites with excellent high-temperature performance. *Journal of Materials Research*, **2017**, 32, 3744-3752 2.5 17
- 246 Maricite NaFePO₄/C/graphene: a novel hybrid cathode for sodium-ion batteries. *Journal of Materials Chemistry A*, **2017**, 5, 16616-16621 13 43
- 245 Layer-by-Layer Assembly Fabrication of Porous Boron Nitride Coated Multifunctional Materials for Water Cleaning. *Advanced Materials Interfaces*, **2017**, 4, 1700392 4.6 19
- 244 Enhanced electrochemical performance of ZrO₂ modified LiNi_{0.6}Co_{0.2}Mn_{0.2}O₂ cathode material for lithium ion batteries. *Ceramics International*, **2017**, 43, 15173-15178 5.1 50
- 243 BN Nanosheet/Polymer Films with Highly Anisotropic Thermal Conductivity for Thermal Management Applications. *ACS Applied Materials & Interfaces*, **2017**, 9, 43163-43170 9.5 145
- 242 Synthesis of porous polyvinylidene fluoride (PVDF) microspheres and their application in lithium sulfur batteries. *Materials Letters*, **2017**, 188, 180-183 3.3 5
- 241 Two-Dimensional Metal Oxide Nanoflower-Like Architectures: A General Growth Method and Their Applications in Energy Storage and as Model Materials for Nanofabrication. *ChemPlusChem*, **2017**, 82, 295-302 2.8 6
- 240 Interfacial reactions between titanium and boron nitride nanotubes. *Scripta Materialia*, **2017**, 127, 108-112 12.6 21
- 239 Molecule-Induced Conformational Change in Boron Nitride Nanosheets with Enhanced Surface Adsorption. *Advanced Functional Materials*, **2016**, 26, 8202-8210 15.6 39
- 238 High Electrocatalytic Hydrogen Evolution Activity of an Anomalous Ruthenium Catalyst. *Journal of the American Chemical Society*, **2016**, 138, 16174-16181 16.4 586
- 237 Lithium Germanate (Li₂GeO₃): A High-Performance Anode Material for Lithium-Ion Batteries. *Angewandte Chemie*, **2016**, 128, 16293-16297 3.6 7
- 236 Lithium Germanate (Li₂GeO₃): A High-Performance Anode Material for Lithium-Ion Batteries. *Angewandte Chemie - International Edition*, **2016**, 55, 16059-16063 16.4 26

235	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	13	106
234	Efficient photocatalytic reduction of aqueous Cr(VI) over porous BNNs/TiO ₂ nanocomposites under visible light irradiation. <i>Catalysis Science and Technology</i> , 2016 , 6, 8309-8313	5.5	18
233	Anomalous Enhancement of Mechanical Properties in the Ammonia Adsorbed Defective Graphene. <i>Scientific Reports</i> , 2016 , 6, 33810	4.9	3
232	Gas Protection of Two-Dimensional Nanomaterials from High-Energy Impacts. <i>Scientific Reports</i> , 2016 , 6, 35532	4.9	39
231	Size and Composition Effects in Sb-Carbon Nanocomposites for Sodium-Ion Batteries. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30152-30164	9.5	54
230	Boron Nitride Nanosheet-Veiled Gold Nanoparticles for Surface-Enhanced Raman Scattering. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 15630-6	9.5	41
229	Tin-based composite anodes for potassium-ion batteries. <i>Chemical Communications</i> , 2016 , 52, 9279-82	5.8	308
228	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, 3543-505	9.5	65
227	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	3.7	14
226	Atomically Thin Boron Nitride: Unique Properties and Applications. <i>Advanced Functional Materials</i> , 2016 , 26, 2594-2608	15.6	306
225	Identification and topographical characterisation of microbial nanowires in <i>Nostoc punctiforme</i> . <i>Antonie Van Leeuwenhoek</i> , 2016 , 109, 475-80	2.1	7
224	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	13	46
223	Superior adsorption of pharmaceutical molecules by highly porous BN nanosheets. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 84-8	3.6	58
222	Boron nitride nanotube films: preparation, properties, and implications for biology applications 2016 , 165-181		
221	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 8405-9	16.4	58
220	Boron Nitride Nanosheets Improve Sensitivity and Reusability of Surface-Enhanced Raman Spectroscopy. <i>Angewandte Chemie</i> , 2016 , 128, 8545-8549	3.6	12
219	Quantitative secondary electron imaging for work function extraction at atomic level and layer identification of graphene. <i>Scientific Reports</i> , 2016 , 6, 21045	4.9	19
218	Lithium-ion capacitors with 2D Nb ₂ C ₇ x (MXene) [carbon nanotube electrodes. <i>Journal of Power Sources</i> , 2016 , 326, 686-694	8.9	138

217	Impact of size on energy storage performance of graphene based supercapacitor electrode. <i>Electrochimica Acta</i> , 2016 , 219, 463-469	6.7	28
216	Boron nitride nanosheets as improved and reusable substrates for gold nanoparticles enabled surface enhanced Raman spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2015 , 17, 7761-6	3.6	47
215	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	13	20
214	Ex situ electrochemical sodiation/desodiation observation of CoO _x anchored carbon nanotubes: a high performance sodium-ion battery anode produced by pulsed plasma in a liquid. <i>Nanoscale</i> , 2015 , 7, 13088-95	7.7	61
213	Nanopatterning and Electrical Tuning of MoS ₂ Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , 2015 , 15, 5307-13	11.5	138
212	Hydrangea-like multi-scale carbon hollow submicron spheres with hierarchical pores for high performance supercapacitor electrodes. <i>Electrochimica Acta</i> , 2015 , 176, 207-214	6.7	30
211	Study on topological properties in two-dimensional grain networks via large-scale Monte Carlo simulation. <i>Computational Materials Science</i> , 2015 , 103, 165-169	3.2	8
210	Self-assembled V ₂ O ₅ interconnected microspheres produced in a fish-water electrolyte medium as a high-performance lithium-ion-battery cathode. <i>Nano Research</i> , 2015 , 8, 3591-3603	10	24
209	Field emission properties from boron nitride nanotube field emitters 2015 ,		1
208	Single layer lead iodide: computational exploration of structural, electronic and optical properties, strain induced band modulation and the role of spin-orbital-coupling. <i>Nanoscale</i> , 2015 , 7, 15168-74	7.7	67
207	Understanding Structure-Function Relationship in Hybrid Co ₃ O ₄ -Fe ₂ O ₃ /C Lithium-Ion Battery Electrodes. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 20736-44	9.5	33
206	Boron nitride colloidal solutions, ultralight aerogels and freestanding membranes through one-step exfoliation and functionalization. <i>Nature Communications</i> , 2015 , 6, 8849	17.4	486
205	Superhydrophobic and Superoleophilic Porous Boron Nitride Nanosheet/Polyvinylidene Fluoride Composite Material for Oil-Polluted Water Cleanup. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400267	4.6	108
204	Dielectric screening in atomically thin boron nitride nanosheets. <i>Nano Letters</i> , 2015 , 15, 218-23	11.5	106
203	High N-content holey few-layered graphene electrocatalysts: scalable solvent-less production. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 1682-1687	13	35
202	Inquisition of <i>Microcystis aeruginosa</i> and <i>Synechocystis</i> nanowires: characterization and modelling. <i>Antonie Van Leeuwenhoek</i> , 2015 , 108, 1213-25	2.1	21
201	Highly Crumpled Boron Nitride Nanosheets as Adsorbents: Scalable Solvent-Less Production. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1400529	4.6	92
200	Multifunctional Polymer/Porous Boron Nitride Nanosheet Membranes for Superior Trapping Emulsified Oils and Organic Molecules. <i>Advanced Materials Interfaces</i> , 2015 , 2, 1500228	4.6	82

199	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, 5084-9	3.6	10
198	Growth of Single-Walled Carbon Nanotubes from Well-Defined POSS Nanoclusters Structure. <i>Nano</i> , 2015 , 10, 1550004	1.1	
197	Enhanced lithium storage in ZnFe ₂ O ₄ nanocomposite produced by a low-energy ball milling. <i>Journal of Power Sources</i> , 2015 , 282, 462-470	8.9	58
196	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	3.9	29
195	Phosphorus-carbon nanocomposite anodes for lithium-ion and sodium-ion batteries. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 5572-5584	13	210
194	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, 6913-8	3.6	20
193	Boron Nitride Nanotubes and Nanoribbons Produced by Ball Milling Method 2015 , 33-58		
192	In-situ and tunable nitrogen-doping of MoS ₂ nanosheets. <i>Scientific Reports</i> , 2014 , 4, 7582	4.9	72
191	High-efficient production of boron nitride nanosheets via an optimized ball milling process for lubrication in oil. <i>Scientific Reports</i> , 2014 , 4, 7288	4.9	96
190	Mechanical property and structure of covalent functionalised graphene/epoxy nanocomposites. <i>Scientific Reports</i> , 2014 , 4, 4375	4.9	352
189	Hydrogen evolution by a metal-free electrocatalyst. <i>Nature Communications</i> , 2014 , 5, 3783	17.4	1572
188	Sulfur-Impregnated, Sandwich-Type, Hybrid Carbon Nanosheets with Hierarchical Porous Structure for High-Performance Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2014 , 4, 1301988	21.8	117
187	Strong oxidation resistance of atomically thin boron nitride nanosheets. <i>ACS Nano</i> , 2014 , 8, 1457-62	16.7	490
186	Temperature-dependent Raman spectra of bamboo-like boron nitride nanotubes. <i>Applied Physics Express</i> , 2014 , 7, 022401	2.4	5
185	Excellent electrochemical performance of LiFe _{0.4} Mn _{0.6} PO ₄ microspheres produced using a double carbon coating process. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 18831-18837	13	25
184	Advancement in liquid exfoliation of graphite through simultaneously oxidizing and ultrasonication. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 20382-20392	13	19
183	Lithium ferrite (Li _{0.5} Fe _{2.5} O ₄) nanoparticles as anodes for lithium ion batteries. <i>RSC Advances</i> , 2014 , 4, 23145-23148	3.7	33
182	Non-covalent surface modification of boron nitride nanotubes for enhanced catalysis. <i>Chemical Communications</i> , 2014 , 50, 225-7	5.8	25

181	Superhydrophobic and Superoleophilic Boron Nitride Nanotube-Coated Stainless Steel Meshes for Oil and Water Separation. <i>Advanced Materials Interfaces</i> , 2014 , 1, 1300002	4.6	91
180	Preparation of composite electrodes with carbon nanotubes for lithium-ion batteries by low-energy ball milling. <i>RSC Advances</i> , 2014 , 4, 36649-36655	3.7	11
179	Evolution of the electrochemical capacitance of transition metal oxynitrides with time: the effect of ageing and passivation. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12940-12951	13	15
178	Porous carbon nanotube/polyvinylidene fluoride composite material: Superhydrophobicity/superoleophilicity and tunability of electrical conductivity. <i>Polymer</i> , 2014 , 55, 5616-5622 ³⁰	3.9	30
177	Electrochemical investigation of sodium reactivity with nanostructured Co ₃ O ₄ for sodium-ion batteries. <i>Chemical Communications</i> , 2014 , 50, 5057-60	5.8	133
176	Carbon coated Na ₇ Fe ₇ (PO ₄) ₆ F ₃ : A novel intercalation cathode for sodium-ion batteries. <i>Journal of Power Sources</i> , 2014 , 271, 497-503	8.9	16
175	Sulfur-doped porous reduced graphene oxide hollow nanosphere frameworks as metal-free electrocatalysts for oxygen reduction reaction and as supercapacitor electrode materials. <i>Nanoscale</i> , 2014 , 6, 13740-7	7.7	159
174	Observation of active sites for oxygen reduction reaction on nitrogen-doped multilayer graphene. <i>ACS Nano</i> , 2014 , 8, 6856-62	16.7	445
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3	Replacement reaction induced by ball milling of silica in nitrogen. <i>Scripta Metallurgica Et Materialia</i> , 1995 , 32, 19-22		7
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