

## List of Publications by Citations

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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.

333 papers	19,762 citations	57 h-index	136 g-index
359 ext. papers	23,858 ext. citations	12.4 avg, IF	6.99 L-index

#	Paper	IF	Citations
333	Sequential deposition as a route to high-performance perovskite-sensitized solar cells. <i>Nature</i> , <b>2013</b> , 499, 316-9	50.4	7488
332	Observation of conducting filament growth in nanoscale resistive memories. <i>Nature Communications</i> , <b>2012</b> , 3, 732	17.4	782
331	Impedance spectroscopic analysis of lead iodide perovskite-sensitized solid-state solar cells. <i>ACS Nano</i> , <b>2014</b> , 8, 362-73	16.7	617
330	Electrochemical dynamics of nanoscale metallic inclusions in dielectrics. <i>Nature Communications</i> , <b>2014</b> , 5, 4232	17.4	411
329	Ultrafast epitaxial growth of metre-sized single-crystal graphene on industrial Cu foil. <i>Science Bulletin</i> , <b>2017</b> , 62, 1074-1080	10.6	326
328	Domain dynamics during ferroelectric switching. <i>Science</i> , <b>2011</b> , 334, 968-71	33.3	277
327	Ultrafast growth of single-crystal graphene assisted by a continuous oxygen supply. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 930-935	28.7	277
326	Ruthenium atomically dispersed in carbon outperforms platinum toward hydrogen evolution in alkaline media. <i>Nature Communications</i> , <b>2019</b> , 10, 631	17.4	260
325	Epitaxial growth of a 100-square-centimetre single-crystal hexagonal boron nitride monolayer on copper. <i>Nature</i> , <b>2019</b> , 570, 91-95	50.4	247
324	Batch production of 6-inch uniform monolayer molybdenum disulfide catalyzed by sodium in glass. <i>Nature Communications</i> , <b>2018</b> , 9, 979	17.4	224
323	Stable High-Index Faceted Pt Skin on Zigzag-Like PtFe Nanowires Enhances Oxygen Reduction Catalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, 1705515	24	223
322	Hyperporous Sponge Interconnected by Hierarchical Carbon Nanotubes as a High-Performance Potassium-Ion Battery Anode. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802074	24	198
321	Vertical Graphene Growth on SiO Microparticles for Stable Lithium Ion Battery Anodes. <i>Nano Letters</i> , <b>2017</b> , 17, 3681-3687	11.5	185
320	Revealing the role of defects in ferroelectric switching with atomic resolution. <i>Nature Communications</i> , <b>2011</b> , 2, 591	17.4	184
319	Thermal Emitting Strategy to Synthesize Atomically Dispersed Pt Metal Sites from Bulk Pt Metal. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4505-4509	16.4	174
318	Origins of Large Voltage Hysteresis in High-Energy-Density Metal Fluoride Lithium-Ion Battery Conversion Electrodes. <i>Journal of the American Chemical Society</i> , <b>2016</b> , 138, 2838-48	16.4	166
317	Ultrafast Sodium/Potassium-Ion Intercalation into Hierarchically Porous Thin Carbon Shells. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805430	24	148

316	Li metal coated with amorphous Li <sub>3</sub> PO <sub>4</sub> via magnetron sputtering for stable and long-cycle life lithium metal batteries. <i>Journal of Power Sources</i> , <b>2017</b> , 342, 175-182	8.9	145
315	Atomic-Scale Probing of the Dynamics of Sodium Transport and Intercalation-Induced Phase Transformations in MoS <sub>2</sub> <i>ACS Nano</i> , <b>2015</b> , 9, 11296-301	16.7	136
314	Graphite as a potassium ion battery anode in carbonate-based electrolyte and ether-based electrolyte. <i>Journal of Power Sources</i> , <b>2019</b> , 409, 24-30	8.9	135
313	A 3D Trilayered CNT/MoSe <sub>2</sub> /C Heterostructure with an Expanded MoSe <sub>2</sub> Interlayer Spacing for an Efficient Sodium Storage. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1900567	21.8	132
312	Atomic-scale mechanisms of ferroelastic domain-wall-mediated ferroelectric switching. <i>Nature Communications</i> , <b>2013</b> , 4,	17.4	128
311	Controlled Synthesis of Core-Shell Carbon@MoS Nanotube Sponges as High-Performance Battery Electrodes. <i>Advanced Materials</i> , <b>2016</b> , 28, 10175-10181	24	126
310	Li-free Cathode Materials for High Energy Density Lithium Batteries. <i>Joule</i> , <b>2019</b> , 3, 2086-2102	27.8	123
309	Iridium-Tungsten Alloy Nanodendrites as pH-Universal Water-Splitting Electrocatalysts. <i>ACS Central Science</i> , <b>2018</b> , 4, 1244-1252	16.8	123
308	Atomic scale insights into structure instability and decomposition pathway of methylammonium lead iodide perovskite. <i>Nature Communications</i> , <b>2018</b> , 9, 4807	17.4	113
307	Wrinkle-Free Single-Crystal Graphene Wafer Grown on Strain-Engineered Substrates. <i>ACS Nano</i> , <b>2017</b> , 11, 12337-12345	16.7	112
306	Long-distance propagation of short-wavelength spin waves. <i>Nature Communications</i> , <b>2018</b> , 9, 738	17.4	111
305	Ferroelastic domain switching dynamics under electrical and mechanical excitations. <i>Nature Communications</i> , <b>2014</b> , 5, 3801	17.4	110
304	Surface passivation and band engineering: a way toward high efficiency graphene/planar Si solar cells. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 8567	13	108
303	Controllable conductive readout in self-assembled, topologically confined ferroelectric domain walls. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 947-952	28.7	104
302	TiS <sub>2</sub> as a high performance potassium ion battery cathode in ether-based electrolyte. <i>Energy Storage Materials</i> , <b>2018</b> , 12, 216-222	19.4	102
301	Ultrathin CsPbX Nanowire Arrays with Strong Emission Anisotropy. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801805	24	95
300	Novel Pliable Electrodes for Flexible Electrochemical Energy Storage Devices: Recent Progress and Challenges. <i>Advanced Energy Materials</i> , <b>2016</b> , 6, 1600490	21.8	95
299	Towards super-clean graphene. <i>Nature Communications</i> , <b>2019</b> , 10, 1912	17.4	89

298	In situ TEM studies of oxygen vacancy migration for electrically induced resistance change effect in cerium oxides. <i>Micron</i> , <b>2010</b> , 41, 301-5	2.3	87
297	Greatly Enhanced Anticorrosion of Cu by Commensurate Graphene Coating. <i>Advanced Materials</i> , <b>2018</b> , 30, 1702944	24	85
296	Electrically driven redox process in cerium oxides. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 4197-201	16.4	82
295	Loofah-derived carbon as an anode material for potassium ion and lithium ion batteries. <i>Electrochimica Acta</i> , <b>2019</b> , 306, 446-453	6.7	80
294	Monitoring Local Strain Vector in Atomic-Layered MoSe by Second-Harmonic Generation. <i>Nano Letters</i> , <b>2017</b> , 17, 7539-7543	11.5	80
293	Improved Epitaxy of AlN Film for Deep-Ultraviolet Light-Emitting Diodes Enabled by Graphene. <i>Advanced Materials</i> , <b>2019</b> , 31, e1807345	24	79
292	Possible absence of critical thickness and size effect in ultrathin perovskite ferroelectric films. <i>Nature Communications</i> , <b>2017</b> , 8, 15549	17.4	74
291	Sodiation via heterogeneous disproportionation in FeF <sub>2</sub> electrodes for sodium-ion batteries. <i>ACS Nano</i> , <b>2014</b> , 8, 7251-9	16.7	74
290	Visualization of electrochemically driven solid-state phase transformations using operando hard X-ray spectro-imaging. <i>Nature Communications</i> , <b>2015</b> , 6, 6883	17.4	72
289	Ultrathin PtPd-Based Nanorings with Abundant Step Atoms Enhance Oxygen Catalysis. <i>Advanced Materials</i> , <b>2018</b> , 30, e1802136	24	72
288	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie - International Edition</i> , <b>2019</b> , 58, 14184-14188	16.4	70
287	Seeded growth of large single-crystal copper foils with high-index facets. <i>Nature</i> , <b>2020</b> , 581, 406-410	50.4	68
286	High-Brightness Blue Light-Emitting Diodes Enabled by a Directly Grown Graphene Buffer Layer. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801608	24	67
285	Ferroic domains regulate photocurrent in single-crystalline CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> films self-grown on FTO/TiO <sub>2</sub> substrate. <i>Npj Quantum Materials</i> , <b>2018</b> , 3,	5	66
284	Role of the Exciton-Polariton in a Continuous-Wave Optically Pumped CsPbBr Perovskite Laser. <i>Nano Letters</i> , <b>2020</b> , 20, 6636-6643	11.5	62
283	Kinetic modulation of graphene growth by fluorine through spatially confined decomposition of metal fluorides. <i>Nature Chemistry</i> , <b>2019</b> , 11, 730-736	17.6	61
282	In situ atomic-scale observation of reversible sodium ions migration in layered metal dichalcogenide SnS <sub>2</sub> nanostructures. <i>Nano Energy</i> , <b>2017</b> , 32, 302-309	17.1	60
281	Layered-Structure SbPO/Reduced Graphene Oxide: An Advanced Anode Material for Sodium Ion Batteries. <i>ACS Nano</i> , <b>2018</b> , 12, 12869-12878	16.7	60

280	Graphene-assisted quasi-van der Waals epitaxy of AlN film for ultraviolet light emitting diodes on nano-patterned sapphire substrate. <i>Applied Physics Letters</i> , <b>2019</b> , 114, 091107	3.4	59
279	Millimeter-Scale Single-Crystalline Semiconducting MoTe via Solid-to-Solid Phase Transformation. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 2128-2134	16.4	59
278	Tunable Free-Standing Core-Shell CNT@MoSe Anode for Lithium Storage. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 14622-14631	9.5	58
277	A native oxide high- $\kappa$ gate dielectric for two-dimensional electronics. <i>Nature Electronics</i> , <b>2020</b> , 3, 473-478	28.4	58
276	SnP2O7 Covered Carbon Nanosheets as a Long-Life and High-Rate Anode Material for Sodium-Ion Batteries. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1804672	15.6	57
275	Room-temperature polar ferromagnet ScFeO3 transformed from a high-pressure orthorhombic perovskite phase. <i>Journal of the American Chemical Society</i> , <b>2014</b> , 136, 15291-9	16.4	56
274	High-Yield Production of MoS and WS Quantum Sheets from Their Bulk Materials. <i>Nano Letters</i> , <b>2017</b> , 17, 7767-7772	11.5	56
273	Low Residual Carrier Concentration and High Mobility in 2D Semiconducting BiOSe. <i>Nano Letters</i> , <b>2019</b> , 19, 197-202	11.5	56
272	Precise control of the interlayer twist angle in large scale MoS homostructures. <i>Nature Communications</i> , <b>2020</b> , 11, 2153	17.4	55
271	Atomic-Scale Measurement of Flexoelectric Polarization at SrTiO <sub>3</sub> Dislocations. <i>Physical Review Letters</i> , <b>2018</b> , 120, 267601	7.4	55
270	Densification by Compaction as an Effective Low-Cost Method to Attain a High Areal Lithium Storage Capacity in a CNT@Co3O4 Sponge. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702981	21.8	54
269	Fast Growth of Strain-Free AlN on Graphene-Buffered Sapphire. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 11935-11941	16.4	54
268	Graphene-Armored Aluminum Foil with Enhanced Anticorrosion Performance as Current Collectors for Lithium-Ion Battery. <i>Advanced Materials</i> , <b>2017</b> , 29, 1703882	24	53
267	Switching Vertical to Horizontal Graphene Growth Using Faraday Cage-Assisted PECVD Approach for High-Performance Transparent Heating Device. <i>Advanced Materials</i> , <b>2018</b> , 30, 1704839	24	53
266	Origin of the metal-insulator transition in ultrathin films of La <sub>2/3</sub> Sr <sub>1/3</sub> MnO <sub>3</sub> . <i>Physical Review B</i> , <b>2015</b> , 92,	3.3	53
265	Constructing CsPbBr <sub>3</sub> Cluster Passivated-Triple Cation Perovskite for Highly Efficient and Operationally Stable Solar Cells. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1809180	15.6	52
264	Atomic scale structure changes induced by charged domain walls in ferroelectric materials. <i>Nano Letters</i> , <b>2013</b> , 13, 5218-23	11.5	52
263	Seeded 2D epitaxy of large-area single-crystal films of the van der Waals semiconductor 2H MoTe. <i>Science</i> , <b>2021</b> , 372, 195-200	33.3	52

262	Enhancement of Heat Dissipation in Ultraviolet Light-Emitting Diodes by a Vertically Oriented Graphene Nanowall Buffer Layer. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901624	24	51
261	Rice husk derived carbon/silica composites as anodes for lithium ion batteries. <i>RSC Advances</i> , <b>2014</b> , 4, 64744-64746	3.7	51
260	A Dual Protection System for Heterostructured 3D CNT/CoSe/C as High Areal Capacity Anode for Sodium Storage. <i>Advanced Science</i> , <b>2020</b> , 7, 1902907	13.6	50
259	Structure Tracking Aided Design and Synthesis of Li <sub>3</sub> V <sub>2</sub> (PO <sub>4</sub> ) <sub>3</sub> Nanocrystals as High-Power Cathodes for Lithium Ion Batteries. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 5712-5718	9.6	48
258	Atomic mechanism of polarization-controlled surface reconstruction in ferroelectric thin films. <i>Nature Communications</i> , <b>2016</b> , 7, 11318	17.4	48
257	High-Resolution Tracking Asymmetric Lithium Insertion and Extraction and Local Structure Ordering in SnS <sub>2</sub> . <i>Nano Letters</i> , <b>2016</b> , 16, 5582-8	11.5	48
256	Direct observations of retention failure in ferroelectric memories. <i>Advanced Materials</i> , <b>2012</b> , 24, 1106-1114	12.4	47
255	Intermetallic Pd <sub>3</sub> Pb Nanoplates Enhance Oxygen Reduction Catalysis with Excellent Methanol Tolerance. <i>Small Methods</i> , <b>2018</b> , 2, 1700331	12.8	46
254	Palladium Single Atoms on TiO <sub>2</sub> as a Photocatalytic Sensing Platform for Analyzing the Organophosphorus Pesticide Chlorpyrifos. <i>Angewandte Chemie - International Edition</i> , <b>2020</b> , 59, 232-236	16.4	46
253	3D star-like atypical hybrid MOF derived single-atom catalyst boosts oxygen reduction catalysis. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 55, 355-360	12	46
252	Bioactive Functionalized Monolayer Graphene for High-Resolution Cryo-Electron Microscopy. <i>Journal of the American Chemical Society</i> , <b>2019</b> , 141, 4016-4025	16.4	44
251	Single crystalline CH <sub>3</sub> NH <sub>3</sub> PbI <sub>3</sub> self-grown on FTO/TiO <sub>2</sub> substrate for high efficiency perovskite solar cells. <i>Science Bulletin</i> , <b>2017</b> , 62, 1173-1176	10.6	44
250	Current-controlled propagation of spin waves in antiparallel, coupled domains. <i>Nature Nanotechnology</i> , <b>2019</b> , 14, 691-697	28.7	43
249	A three-dimensional interconnected V <sub>6</sub> O <sub>13</sub> nest with a V <sup>5+</sup> -rich state for ultrahigh Zn ion storage. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 10370-10376	13	39
248	Achieving electronic structure reconfiguration in metallic carbides for robust electrochemical water splitting. <i>Journal of Materials Chemistry A</i> , <b>2020</b> , 8, 2453-2462	13	38
247	Picometer-scale atom position analysis in annular bright-field STEM imaging. <i>Ultramicroscopy</i> , <b>2018</b> , 184, 177-187	3.1	37
246	Chiral Spin-Wave Velocities Induced by All-Garnet Interfacial Dzyaloshinskii-Moriya Interaction in Ultrathin Yttrium Iron Garnet Films. <i>Physical Review Letters</i> , <b>2020</b> , 124, 027203	7.4	36
245	Giant Ferroelectric Polarization in Ultrathin Ferroelectrics via Boundary-Condition Engineering. <i>Advanced Materials</i> , <b>2017</b> , 29, 1701475	24	35

244	Defect-Induced Hedgehog Polarization States in Multiferroics. <i>Physical Review Letters</i> , <b>2018</b> , 120, 137602-4	7.4	34
243	Au Clusters on Pd Nanosheets Selectively Switch the Pathway of Ethanol Electrooxidation: Amorphous/Crystalline Interface Matters. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2100187	21.8	34
242	Direct observation of highly confined phonon polaritons in suspended monolayer hexagonal boron nitride. <i>Nature Materials</i> , <b>2021</b> , 20, 43-48	27	34
241	Atomic-scale structure relaxation, chemistry and charge distribution of dislocation cores in SrTiO <sub>3</sub> . <i>Ultramicroscopy</i> , <b>2018</b> , 184, 217-224	3.1	33
240	Reticulate Dual-Nanowire Aerogel for Multifunctional Applications: a High-Performance Strain Sensor and a High Areal Capacity Rechargeable Anode. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1807467	15.6	33
239	Grouping Effect of Single Nickel-N Sites in Nitrogen-Doped Carbon Boosts Hydrogen Transfer Coupling of Alcohols and Amines. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 15194-15198	16.4	33
238	Epitaxial array of Fe <sub>3</sub> O <sub>4</sub> nanodots for high rate high capacity conversion type lithium ion batteries electrode with long cycling life. <i>Nano Energy</i> , <b>2020</b> , 74, 104876	17.1	31
237	Interlayer Decoupling in 30° Twisted Bilayer Graphene Quasicrystal. <i>ACS Nano</i> , <b>2020</b> , 14, 1656-1664	16.7	31
236	Dual-coupling-guided epitaxial growth of wafer-scale single-crystal WS monolayer on vicinal a-plane sapphire. <i>Nature Nanotechnology</i> , <b>2021</b> ,	28.7	31
235	Atomic structure and migration dynamics of MoS <sub>2</sub> /Li <sub>x</sub> MoS <sub>2</sub> interface. <i>Nano Energy</i> , <b>2018</b> , 48, 560-568	17.1	30
234	Identifying the Conversion Mechanism of NiCo <sub>2</sub> O <sub>4</sub> during Sodiation/Desodiation Cycling by In Situ TEM. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1606163	15.6	29
233	Molecular Beam Epitaxy and Electronic Structure of Atomically Thin Oxyselenide Films. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901964	24	29
232	Ultrahigh Photocatalytic Rate at a Single-Metal-Atom-Oxide. <i>Advanced Materials</i> , <b>2019</b> , 31, e1903491	24	29
231	Catalyst-Free Synthesis of Few-Layer Graphdiyne Using a Microwave-Induced Temperature Gradient at a Solid/Liquid Interface. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2001396	15.6	28
230	Anomalous Hall effect and magnetic orderings in nanothick V <sub>5</sub> S <sub>8</sub> . <i>Physical Review B</i> , <b>2017</b> , 96,	3.3	28
229	Product-Specific Active Site Motifs of Cu for Electrochemical CO <sub>2</sub> Reduction. <i>Chem</i> , <b>2021</b> , 7, 406-420	16.2	27
228	Sub-2 nm Ultrasmall High-Entropy Alloy Nanoparticles for Extremely Superior Electrocatalytic Hydrogen Evolution. <i>Journal of the American Chemical Society</i> , <b>2021</b> , 143, 17117-17127	16.4	27
227	Scaling-up Atomically Thin Coplanar Semiconductor-Metal Circuitry via Phase Engineered Chemical Assembly. <i>Nano Letters</i> , <b>2019</b> , 19, 6845-6852	11.5	26

- 226 Highly Flexible and Twistable Freestanding Single Crystalline Magnetite Film with Robust Magnetism. *Advanced Functional Materials*, **2020**, 30, 2003495 15.6 26
- 225 Evidence for electric-field-driven migration and diffusion of oxygen vacancies in Pr<sub>0.7</sub>Ca<sub>0.3</sub>MnO<sub>3</sub>. *Journal of Applied Physics*, **2012**, 111, 114506 2.5 26
- 224 Core-Shell FeSe /C Nanostructures Embedded in a Carbon Framework as a Free Standing Anode for a Sodium Ion Battery. *Small*, **2020**, 16, e2002200 11 26
- 223 In situ visualization of sodium transport and conversion reactions of FeS<sub>2</sub> nanotubes made by morphology engineering. *Nano Energy*, **2019**, 60, 424-431 17.1 25
- 222 High-Mobility Flexible Oxyselenide Thin-Film Transistors Prepared by a Solution-Assisted Method. *Journal of the American Chemical Society*, **2020**, 142, 2726-2731 16.4 25
- 221 Electrode engineering for improving resistive switching performance in single crystalline CeO<sub>2</sub> thin films. *Solid-State Electronics*, **2012**, 72, 4-7 1.7 25
- 220 Defect-Laden MoSe Quantum Dots Made by Turbulent Shear Mixing as Enhanced Electrocatalysts. *Small*, **2017**, 13, 1700565 11 24
- 219 Giant Electroresistance in Ferroionic Tunnel Junctions. *IScience*, **2019**, 16, 368-377 6.1 24
- 218 Toroidal polar topology in strained ferroelectric polymer. *Science*, **2021**, 371, 1050-1056 33.3 24
- 217 Atomic imaging of mechanically induced topological transition of ferroelectric vortices. *Nature Communications*, **2020**, 11, 1840 17.4 24
- 216 General Decomposition Pathway of Organic-Inorganic Hybrid Perovskites through an Intermediate Superstructure and its Suppression Mechanism. *Advanced Materials*, **2020**, 32, e2001107 24 23
- 215 Flexible hybrid carbon nanotube sponges embedded with SnS<sub>2</sub> from tubular nanosheaths to nanosheets as free-standing anodes for lithium-ion batteries. *RSC Advances*, **2016**, 6, 30098-30105 3.7 23
- 214 Atomic-scale observations of electrical and mechanical manipulation of topological polar flux closure. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18954-18961 11.5 23
- 213 Subunit cell-level measurement of polarization in an individual polar vortex. *Science Advances*, **2019**, 5, eaav4355 14.3 23
- 212 Thickness-Dependent In-Plane Polarization and Structural Phase Transition in van der Waals Ferroelectric CuInP S. *Small*, **2020**, 16, e1904529 11 22
- 211 Surface and Near-Surface Engineering of PtCo Nanowires at Atomic Scale for Enhanced Electrochemical Sensing and Catalysis. *Chemistry of Materials*, **2018**, 30, 6660-6667 9.6 22
- 210 Universal Imaging of Full Strain Tensor in 2D Crystals with Third-Harmonic Generation. *Advanced Materials*, **2019**, 31, e1808160 24 21
- 209 Challenges, myths, and opportunities of electron microscopy on halide perovskites. *Journal of Applied Physics*, **2020**, 128, 010901 2.5 21

208	Robust ultraclean atomically thin membranes for atomic-resolution electron microscopy. <i>Nature Communications</i> , <b>2020</b> , 11, 541	17.4	21
207	Synthesis and structure of perovskite ScMnO <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 9692-7	5.1	21
206	In Situ Oxygen Doping of Monolayer MoS for Novel Electronics. <i>Small</i> , <b>2020</b> , 16, e2004276	11	21
205	Stable interstitial layer to alleviate fatigue fracture of high nickel cathode for lithium-ion batteries. <i>Journal of Power Sources</i> , <b>2018</b> , 376, 200-206	8.9	21
204	Ultrafast Broadband Charge Collection from Clean Graphene/CHNHPbI Interface. <i>Journal of the American Chemical Society</i> , <b>2018</b> , 140, 14952-14957	16.4	21
203	Tracking sodium migration in TiS using in situ TEM. <i>Nanoscale</i> , <b>2019</b> , 11, 7474-7480	7.7	20
202	General Protocol for the Accurate Prediction of Molecular C/H NMR Chemical Shifts via Machine Learning Augmented DFT. <i>Journal of Chemical Information and Modeling</i> , <b>2020</b> , 60, 3746-3754	6.1	20
201	Thermolysis of Noble Metal Nanoparticles into Electron-Rich Phosphorus-Coordinated Noble Metal Single Atoms at Low Temperature. <i>Angewandte Chemie</i> , <b>2019</b> , 131, 14322-14326	3.6	20
200	Atomic-Scale Tracking of a Phase Transition from Spinel to Rocksalt in Lithium Manganese Oxide. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 1006-1013	9.6	19
199	A 3-D binder-free nanoporous anode for a safe and stable charging of lithium ion batteries. <i>Materials Research Bulletin</i> , <b>2017</b> , 93, 1-8	5.1	19
198	Electrolyte-assisted dissolution-recrystallization mechanism towards high energy density and power density CF cathodes in potassium cell. <i>Nano Energy</i> , <b>2020</b> , 70, 104552	17.1	19
197	Broad-Spectral-Range Sustainability and Controllable Excitation of Hyperbolic Phonon Polaritons in HfMoO. <i>Advanced Materials</i> , <b>2020</b> , 32, e2002014	24	19
196	Reaction Mechanism and Structural Evolution of Fluorographite Cathodes in Solid-State K/Na/Li Batteries. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006118	24	19
195	Quasi-2D Growth of Aluminum Nitride Film on Graphene for Boosting Deep Ultraviolet Light-Emitting Diodes. <i>Advanced Science</i> , <b>2020</b> , 7, 2001272	13.6	18
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