

# Yongji Gong

## 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.

150 papers	17,469 citations	59 h-index	132 g-index
157 ext. papers	20,542 ext. citations	13.5 avg, IF	6.68 L-index

#	Paper	IF	Citations
150	Exfoliated graphitic carbon nitride nanosheets as efficient catalysts for hydrogen evolution under visible light. <i>Advanced Materials</i> , <b>2013</b> , 25, 2452-6	24	1859
149	Vertical and in-plane heterostructures from WS <sub>2</sub> /MoS <sub>2</sub> monolayers. <i>Nature Materials</i> , <b>2014</b> , 13, 1135-42	27	1580
148	Black phosphorus-monolayer MoS <sub>2</sub> van der Waals heterojunction p-n diode. <i>ACS Nano</i> , <b>2014</b> , 8, 8292-9	16.7	979
147	Defects Engineered Monolayer MoS <sub>2</sub> for Improved Hydrogen Evolution Reaction. <i>Nano Letters</i> , <b>2016</b> , 16, 1097-103	11.5	794
146	In-plane heterostructures of graphene and hexagonal boron nitride with controlled domain sizes. <i>Nature Nanotechnology</i> , <b>2013</b> , 8, 119-24	28.7	687
145	A subthermionic tunnel field-effect transistor with an atomically thin channel. <i>Nature</i> , <b>2015</b> , 526, 91-5	50.4	622
144	Chemical vapor deposition growth of crystalline monolayer MoSe <sub>2</sub> . <i>ACS Nano</i> , <b>2014</b> , 8, 5125-31	16.7	566
143	Fracture toughness of graphene. <i>Nature Communications</i> , <b>2014</b> , 5, 3782	17.4	433
142	Ultrathin high-temperature oxidation-resistant coatings of hexagonal boron nitride. <i>Nature Communications</i> , <b>2013</b> , 4, 2541	17.4	418
141	Two-Step Growth of Two-Dimensional WSe <sub>2</sub> /MoSe <sub>2</sub> Heterostructures. <i>Nano Letters</i> , <b>2015</b> , 15, 6135-41	11.5	401
140	Direct laser-patterned micro-supercapacitors from paintable MoS <sub>2</sub> films. <i>Small</i> , <b>2013</b> , 9, 2905-10	11	401
139	Band gap engineering and layer-by-layer mapping of selenium-doped molybdenum disulfide. <i>Nano Letters</i> , <b>2014</b> , 14, 442-9	11.5	378
138	Boron- and nitrogen-doped graphene quantum dots/graphene hybrid nanoplatelets as efficient electrocatalysts for oxygen reduction. <i>ACS Nano</i> , <b>2014</b> , 8, 10837-43	16.7	346
137	Ultrafast Zn Intercalation and Deintercalation in Vanadium Dioxide. <i>Advanced Materials</i> , <b>2018</b> , 30, e1800762	26.2	331
136	Building 3D structures of vanadium pentoxide nanosheets and application as electrodes in supercapacitors. <i>Nano Letters</i> , <b>2013</b> , 13, 5408-13	11.5	311
135	Ultrafast formation of interlayer hot excitons in atomically thin MoS <sub>2</sub> /WS <sub>2</sub> heterostructures. <i>Nature Communications</i> , <b>2016</b> , 7, 12512	17.4	240
134	Optoelectronic crystal of artificial atoms in strain-textured molybdenum disulphide. <i>Nature Communications</i> , <b>2015</b> , 6, 7381	17.4	237

133	A Bottom-Up Approach to Build 3D Architectures from Nanosheets for Superior Lithium Storage. <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 125-130	15.6	235
132	Bottom-up approach toward single-crystalline VO <sub>2</sub> -graphene ribbons as cathodes for ultrafast lithium storage. <i>Nano Letters</i> , <b>2013</b> , 13, 1596-601	11.5	235
131	Graphene-network-backboned architectures for high-performance lithium storage. <i>Advanced Materials</i> , <b>2013</b> , 25, 3979-84	24	232
130	Boron- and Nitrogen-Substituted Graphene Nanoribbons as Efficient Catalysts for Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 1181-1186	9.6	202
129	An Atomically Layered InSe Avalanche Photodetector. <i>Nano Letters</i> , <b>2015</b> , 15, 3048-55	11.5	201
128	Atomic Layer Deposition of Stable LiAlF Lithium Ion Conductive Interfacial Layer for Stable Cathode Cycling. <i>ACS Nano</i> , <b>2017</b> , 11, 7019-7027	16.7	197
127	Stitching h-BN by atomic layer deposition of LiF as a stable interface for lithium metal anode. <i>Science Advances</i> , <b>2017</b> , 3, eaao3170	14.3	191
126	Vertically Aligned and Continuous Nanoscale Ceramic-Polymer Interfaces in Composite Solid Polymer Electrolytes for Enhanced Ionic Conductivity. <i>Nano Letters</i> , <b>2018</b> , 18, 3829-3838	11.5	178
125	Chemical Vapor Deposition of Monolayer Rhenium Disulfide (ReS <sub>2</sub> ). <i>Advanced Materials</i> , <b>2015</b> , 27, 4640-84	8.4	177
124	Spatially controlled doping of two-dimensional SnS through intercalation for electronics. <i>Nature Nanotechnology</i> , <b>2018</b> , 13, 294-299	28.7	169
123	Direct chemical conversion of graphene to boron- and nitrogen- and carbon-containing atomic layers. <i>Nature Communications</i> , <b>2014</b> , 5, 3193	17.4	169
122	Active Light Control of the MoS <sub>2</sub> Monolayer Exciton Binding Energy. <i>ACS Nano</i> , <b>2015</b> , 9, 10158-64	16.7	153
121	Surface functionalization of two-dimensional metal chalcogenides by Lewis acid-base chemistry. <i>Nature Nanotechnology</i> , <b>2016</b> , 11, 465-71	28.7	150
120	Plasmonic hot electron enhanced MoS <sub>2</sub> photocatalysis in hydrogen evolution. <i>Nanoscale</i> , <b>2015</b> , 7, 4482-8.7	8.7	142
119	Strong texturing of lithium metal in batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2017</b> , 114, 12138-12143	11.5	130
118	Optoelectronic memory using two-dimensional materials. <i>Nano Letters</i> , <b>2015</b> , 15, 259-65	11.5	128
117	Synthesis of Millimeter-Scale Transition Metal Dichalcogenides Single Crystals. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 2009-2015	15.6	126
116	Fundamental study on the wetting property of liquid lithium. <i>Energy Storage Materials</i> , <b>2018</b> , 14, 345-350	9.4	117

115	Horizontal Growth of Lithium on Parallely Aligned MXene Layers towards Dendrite-Free Metallic Lithium Anodes. <i>Advanced Materials</i> , <b>2019</b> , 31, e1901820	24	112
114	Rhenium-Doped and Stabilized MoS Atomic Layers with Basal-Plane Catalytic Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, e1803477	24	110
113	Dendrite-Free Metallic Lithium in Lithiophilic Carbonized MetalOrganic Frameworks. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1703505	21.8	108
112	Tellurium-Assisted Low-Temperature Synthesis of MoS2 and WS2 Monolayers. <i>ACS Nano</i> , <b>2015</b> , 9, 11658-1667	16.7	107
111	CoMoO4 nanoparticles anchored on reduced graphene oxide nanocomposites as anodes for long-life lithium-ion batteries. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2014</b> , 6, 20414-22	9.5	107
110	Strain-Induced Electronic Structure Changes in Stacked van der Waals Heterostructures. <i>Nano Letters</i> , <b>2016</b> , 16, 3314-20	11.5	101
109	Boron nitride-graphene nanocapacitor and the origins of anomalous size-dependent increase of capacitance. <i>Nano Letters</i> , <b>2014</b> , 14, 1739-44	11.5	100
108	Synthesis of large-scale atomic-layer SnS2 through chemical vapor deposition. <i>Nano Research</i> , <b>2017</b> , 10, 2386-2394	10	97
107	Uniform Lithium Deposition Assisted by Single-Atom Doping toward High-Performance Lithium Metal Anodes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1804019	21.8	95
106	Brittle Fracture of 2D MoSe. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604201	24	95
105	Unlocking the Potential of Disordered Rocksalts for Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , <b>2019</b> , 31, e1904369	24	93
104	Highly In-Plane Optical and Electrical Anisotropy of 2D Germanium Arsenide. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1707379	15.6	92
103	Synergistic enhancement of electrocatalytic CO reduction to C oxygenates at nitrogen-doped nanodiamonds/Cu interface. <i>Nature Nanotechnology</i> , <b>2020</b> , 15, 131-137	28.7	92
102	Interface Engineering for Lithium Metal Anodes in Liquid Electrolyte. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2001257	21.8	92
101	Spectroscopic Signatures of AA' and AB Stacking of Chemical Vapor Deposited Bilayer MoS2. <i>ACS Nano</i> , <b>2015</b> , 9, 12246-54	16.7	90
100	Homogeneous guiding deposition of sodium through main group II metals toward dendrite-free sodium anodes. <i>Science Advances</i> , <b>2019</b> , 5, eaau6264	14.3	87
99	Tin Intercalated Ultrathin MoO3 Nanoribbons for Advanced LithiumSulfur Batteries. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1803137	21.8	87
98	Band engineering for novel two-dimensional atomic layers. <i>Small</i> , <b>2015</b> , 11, 1868-84	11	79

97	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe <sub>2</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 330-336	21.8	78
96	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , <b>2020</b> , 577, 492-496	50.4	76
95	Nitrogen-rich carbon nano-onions for oxygen reduction reaction. <i>Carbon</i> , <b>2018</b> , 130, 645-651	10.4	68
94	Tailoring MoS Valley-Polarized Photoluminescence with Super Chiral Near-Field. <i>Advanced Materials</i> , <b>2018</b> , 30, e1801908	24	66
93	In Situ Generation of Artificial Solid-Electrolyte Interphases on 3D Conducting Scaffolds for High-Performance Lithium-Metal Anodes. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1903339	21.8	64
92	Exfoliated MoO <sub>3</sub> nanosheets for high-capacity lithium storage. <i>Electrochemistry Communications</i> , <b>2015</b> , 52, 67-70	5.1	60
91	Correlating the three-dimensional atomic defects and electronic properties of two-dimensional transition metal dichalcogenides. <i>Nature Materials</i> , <b>2020</b> , 19, 867-873	27	58
90	In-situ formation of hierarchical 1D-3D hybridized carbon nanostructure supported nonnoble transition metals for efficient electrocatalysis of oxygen reaction. <i>Applied Catalysis B: Environmental</i> , <b>2019</b> , 243, 151-160	21.8	57
89	Strong coupling and pressure engineering in WSe <sub>2</sub> /MoSe <sub>2</sub> heterobilayers. <i>Nature Physics</i> , <b>2021</b> , 17, 92-98	16.2	56
88	Active Control of Plasmon-Exciton Coupling in MoS <sub>2</sub> /Ag Hybrid Nanostructures. <i>Advanced Optical Materials</i> , <b>2016</b> , 4, 1463-1469	8.1	55
87	Membrane-Free Zn/MnO <sub>2</sub> Flow Battery for Large-Scale Energy Storage. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 1902085	21.8	53
86	Layer Engineering of 2D Semiconductor Junctions. <i>Advanced Materials</i> , <b>2016</b> , 28, 5126-32	24	53
85	3D Artificial Solid-Electrolyte Interphase for Lithium Metal Anodes Enabled by Insulator-Metal-Insulator Layered Heterostructures. <i>Advanced Materials</i> , <b>2021</b> , 33, e2006247	24	51
84	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe grown by chemical vapor deposition. <i>Nature Communications</i> , <b>2021</b> , 12, 809	17.4	51
83	Nanosized Pt anchored onto 3D nitrogen-doped graphene nanoribbons towards efficient methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , <b>2015</b> , 3, 19696-19701	13	49
82	Three-Dimensional N-Doped Carbon Nanotube Frameworks on Ni Foam Derived from a Metal-Organic Framework as a Bifunctional Electrocatalyst for Overall Water Splitting. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 3592-3602	9.5	48
81	Amidoxime-Functionalized Macroporous Carbon Self-Refreshed Electrode Materials for Rapid and High-Capacity Removal of Heavy Metal from Water. <i>ACS Central Science</i> , <b>2019</b> , 5, 719-726	16.8	47
80	S-Doped Graphene-Regional Nucleation Mechanism for Dendrite-Free Lithium Metal Anodes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1804000	21.8	46

- 79 3D Reduced Graphene Oxide Coated V<sub>2</sub>O<sub>5</sub> Nanoribbon Scaffolds for High-Capacity Supercapacitor Electrodes. *Particle and Particle Systems Characterization*, **2015**, 32, 817-821 3.1 43
- 78 Conversion of Intercalated MoO<sub>3</sub> to Multi-Heteroatoms-Doped MoS<sub>2</sub> with High Hydrogen Evolution Activity. *Advanced Materials*, **2020**, 32, e2001167 24 41
- 77 An ultrathin rechargeable solid-state zinc ion fiber battery for electronic textiles. *Science Advances*, **2021**, 7, eabl3742 14.3 41
- 76 Gate-Induced Metal-Insulator Transition in MoS<sub>2</sub> by Solid Superionic Conductor LaF<sub>3</sub>. *Nano Letters*, **2018**, 18, 2387-2392 11.5 39
- 75 Lateral Bilayer MoS<sub>2</sub>/WS<sub>2</sub> Heterostructure Photodetectors with High Responsivity and Detectivity. *Advanced Optical Materials*, **2019**, 7, 1900815 8.1 39
- 74 Large-Scale Modification of Commercial Copper Foil with Lithiophilic Metal Layer for Li Metal Battery. *Small*, **2020**, 16, e1905620 11 34
- 73 Scalable Transfer of Suspended Two-Dimensional Single Crystals. *Nano Letters*, **2015**, 15, 5089-97 11.5 33
- 72 In-Situ Formed Protecting Layer from Organic/Inorganic Concrete for Dendrite-Free Lithium Metal Anodes. *Nano Letters*, **2020**, 20, 3911-3917 11.5 30
- 71 Large-Scale Growth and Field-Effect Transistors Electrical Engineering of Atomic-Layer SnS. *Small*, **2019**, 15, e1904116 11 29
- 70 Atomically Resolving Polymorphs and Crystal Structures of In<sub>2</sub>Se<sub>3</sub>. *Chemistry of Materials*, **2019**, 31, 10143-10149 11.5 29
- 69 Valley trion dynamics in monolayer MoSe<sub>2</sub>. *Physical Review B*, **2016**, 94, 3.3 28
- 68 Direct growth of MoS<sub>2</sub> single crystals on polyimide substrates. *2D Materials*, **2017**, 4, 021028 5.9 27
- 67 Effect of Carrier Localization on Electrical Transport and Noise at Individual Grain Boundaries in Monolayer MoS<sub>2</sub>. *Nano Letters*, **2017**, 17, 5452-5457 11.5 27
- 66 3D Band Diagram and Photoexcitation of 2D-3D Semiconductor Heterojunctions. *Nano Letters*, **2015**, 15, 5919-25 11.5 26
- 65 Temperature dependent Raman and photoluminescence of vertical WS<sub>2</sub>/MoS<sub>2</sub> monolayer heterostructures. *Science Bulletin*, **2017**, 62, 16-21 10.6 25
- 64 Ultrafast probes of electron-hole transitions between two atomic layers. *Nature Communications*, **2018**, 9, 1859 17.4 23
- 63 A MoO<sub>3</sub>/MoO<sub>2</sub>-CP self-supporting heterostructure for modification of lithium-sulfur batteries. *Journal of Materials Chemistry A*, **2020**, 8, 15816-15821 13 21
- 62 Solid-Vapor Reaction Growth of Transition-Metal Dichalcogenide Monolayers. *Angewandte Chemie - International Edition*, **2016**, 55, 10656-61 16.4 20

61	Direct Cation Exchange in Monolayer MoS <sub>2</sub> via Recombination-Enhanced Migration. <i>Physical Review Letters</i> , <b>2019</b> , 122, 106101	7.4	16
60	Epitaxial growth of metal-semiconductor van der Waals heterostructures NbS <sub>2</sub> /MoS <sub>2</sub> with enhanced performance of transistors and photodetectors. <i>Science China Materials</i> , <b>2020</b> , 63, 1548-1559	7.1	16
59	Nanoscale-Barrier Formation Induced by Low-Dose Electron-Beam Exposure in Ultrathin MoS Transistors. <i>ACS Nano</i> , <b>2016</b> , 10, 9730-9737	16.7	16
58	Recent Advances in Synthesis and Applications of 2D Junctions. <i>Small</i> , <b>2018</b> , 14, e1801606	11	16
57	Chitin-derived porous carbon loaded with Co, N and S with enhanced performance towards electrocatalytic oxygen reduction, oxygen evolution, and hydrogen evolution reactions. <i>Electrochimica Acta</i> , <b>2019</b> , 304, 350-359	6.7	15
56	Photoluminescence and Raman Spectra Oscillations Induced by Laser Interference in Annealing-Created Monolayer WS <sub>2</sub> Bubbles. <i>Advanced Optical Materials</i> , <b>2019</b> , 7, 1801373	8.1	14
55	Thickness-Controlled Synthesis of CoX <sub>2</sub> (X = S, Se, and Te) Single Crystalline 2D Layers with Linear Magnetoresistance and High Conductivity. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2321-2329	9.6	14
54	Ni(OH) Templated Synthesis of Ultrathin Ni S Nanosheets as Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , <b>2021</b> , 17, e2102097	11	14
53	Growth of Molybdenum Carbide/Graphene Hybrids from Molybdenum Disulfide Atomic Layer Template. <i>Advanced Materials Interfaces</i> , <b>2017</b> , 4, 1600866	4.6	13
52	Solid-Vapor Reaction Growth of Transition-Metal Dichalcogenide Monolayers. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 10814-10819	3.6	13
51	Enhanced mass transfer in three-dimensional single-atom nickel catalyst with open-pore structure for highly efficient CO <sub>2</sub> electrolysis. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 62, 43-50	12	13
50	Recent advances of phase engineering in group VI transition metal dichalcogenides. <i>Tungsten</i> , <b>2019</b> , 1, 46-58	4.6	12
49	Synergistic effect in ultrafine PtNiP nanowires for highly efficient electrochemical hydrogen evolution in alkaline electrolyte. <i>Applied Catalysis B: Environmental</i> , <b>2021</b> , 301, 120754	21.8	12
48	Self-Healing Nucleation Seeds Induced Long-Term Dendrite-Free Lithium Metal Anode. <i>Nano Letters</i> , <b>2021</b> , 21, 7715-7723	11.5	12
47	Vertically Aligned MXene Nanosheet Arrays for High-Rate Lithium Metal Anodes. <i>Advanced Energy Materials</i> , <b>2020</b> , 10, 2000072	21.8	12
46	Ultrathin FeTe nanosheets with tetragonal and hexagonal phases synthesized by chemical vapor deposition. <i>Materials Today</i> , <b>2021</b> , 45, 35-43	21.8	11
45	Grain-boundary-rich polycrystalline monolayer WS film for attomolar-level Hg sensors. <i>Nature Communications</i> , <b>2021</b> , 12, 3870	17.4	11
44	Electrochemical CO reduction to ethylene by ultrathin CuO nanoplate arrays. <i>Nature Communications</i> , <b>2022</b> , 13, 1877	17.4	11



43	Two-Dimensional Ag Nanoparticle Tetramer Array for Surface-Enhanced Raman Scattering Measurements. <i>Journal of Physical Chemistry C</i> , <b>2014</b> , 118, 22702-22710	3.8	10
42	Designing artificial 2D crystals with site and size controlled quantum dots. <i>Scientific Reports</i> , <b>2017</b> , 7, 9965	4.9	10
41	Boron-doping induced lithophilic transition of graphene for dendrite-free lithium growth. <i>Journal of Energy Chemistry</i> , <b>2021</b> , 56, 463-469	12	10
40	Single-Atom Reversible Lithophilic Sites toward Stable Lithium Anodes. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2103368	13.6	9
39	Synthesis of magnetic two-dimensional materials by chemical vapor deposition. <i>Nano Research</i> , <b>2021</b> , 14, 1789-1801	10	9
38	Deep subwavelength control of valley polarized cathodoluminescence in h-BN/WSe/h-BN heterostructure. <i>Nature Communications</i> , <b>2021</b> , 12, 291	17.4	9
37	Photodetection application of one-step synthesized wafer-scale monolayer MoS <sub>2</sub> by chemical vapor deposition. <i>2D Materials</i> , <b>2020</b> , 7, 025020	5.9	8
36	One-Step Growth of Spatially Graded MoW S Monolayers with a Wide Span in Composition (from x = 0 to 1) at a Large Scale. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 20979-20986	9.5	7
35	Accelerated Degradation of CrCl <sub>3</sub> Nanoflakes Induced by Metal Electrodes: Implications for Remediation in Nanodevice Fabrication. <i>ACS Applied Nano Materials</i> , <b>2019</b> , 2, 1597-1603	5.6	7
34	Single-Atom Pt Anchored on Oxygen Vacancy of Monolayer TiCT for Superior Hydrogen Evolution.. <i>Nano Letters</i> , <b>2022</b> ,	11.5	7
33	Cobalt Catalysts Enable Selective Hydrogenation of CO toward Diverse Products: Recent Progress and Perspective. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 12, 10486-10496	6.4	7
32	Contact engineering for two-dimensional semiconductors. <i>Journal of Semiconductors</i> , <b>2020</b> , 41, 071901	2.3	7
31	Heteroatoms/molecules to tune the properties of 2D materials. <i>Materials Today</i> , <b>2021</b> , 47, 108-130	21.8	7
30	Transition-Metal Substitution-Induced Lattice Strain and Electrical Polarity Reversal in Monolayer WS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 18650-18659	9.5	6
29	Constructing Artificial SEI Layer on Lithophilic MXene Surface for High-Performance Lithium Metal Anodes.. <i>Advanced Science</i> , <b>2022</b> , e2103930	13.6	6
28	Ferroelectric-Modulated MoS Field-Effect Transistors as Multilevel Nonvolatile Memory. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 44902-44911	9.5	6
27	Proximity Enhanced Hydrogen Evolution Reactivity of Substitutional Doped Monolayer WS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2021</b> , 13, 19406-19413	9.5	6
26	Lattice Plasmon Induced Large Enhancement of Excitonic Emission in Monolayer Metal Dichalcogenides. <i>Plasmonics</i> , <b>2017</b> , 12, 1975-1981	2.4	5



25	Utilization of the van der Waals Gap of 2D Materials. <i>Wuli Huaxue Xuebao/Acta Physico - Chimica Sinica</i> , <b>2020</b> , 2010051-0	3.8	5
24	NiCo-Based Nanowire Arrays with Hierarchical CoreShell Structure Electrodes for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 7580-7587	6.1	4
23	Influence of van der Waals epitaxy on phase transformation behaviors in 2D heterostructure. <i>Applied Physics Letters</i> , <b>2020</b> , 116, 021602	3.4	4
22	Effects of composition and temperature on the exciton emission behaviors of Mo(S Se ) monolayer: experiment and theory. <i>Nanotechnology</i> , <b>2020</b> , 31, 155703	3.4	4
21	High-Performance Broadband Photodetectors of Heterogeneous 2D Inorganic Molecular Sb2O3/Monolayer MoS2 Crystals Grown via Chemical Vapor Deposition. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 2000168	8.1	4
20	Room temperature 2D memristive transistor with optical short-term plasticity <b>2017</b> ,		3
19	In-situ constructed three-dimensional MoS2MoN heterostructure as the cathode of lithiumSulfur battery. <i>Rare Metals</i> , <b>2022</b> , 41, 1743-1752	5.5	3
18	Altering polythiophene derivative substrates to control the electrodeposition morphology of Au particles toward ultrafine nanoparticles. <i>Chemical Communications</i> , <b>2019</b> , 55, 12088-12091	5.8	2
17	High-sensitivity and versatile plasmonic biosensor based on grain boundaries in polycrystalline 1L WS films. <i>Biosensors and Bioelectronics</i> , <b>2021</b> , 194, 113596	11.8	2
16	Anomalous Number Fluctuation Noise in Localized Transition Metal Dichalcogenide Layers: Generalization of McWhorter Mechanism. <i>MRS Advances</i> , <b>2018</b> , 3, 299-305	0.7	1
15	Broadband light absorption and photoresponse enhancement in monolayer WSe2 crystal coupled to Sb2O3 microresonators. <i>Nano Research</i> ,1	10	1
14	Valley Trion Dynamics in Monolayer MoSe2 <b>2016</b> ,		1
13	Thermodynamics of order and randomness in dopant distributions inferred from atomically resolved imaging. <i>Npj Computational Materials</i> , <b>2021</b> , 7,	10.9	1
12	Investigating phase transitions from local crystallographic analysis based on statistical learning of atomic environments in 2D MoS2-ReS2. <i>Applied Physics Reviews</i> , <b>2021</b> , 8, 011409	17.3	1
11	Confined PdMo Ultrafine Nanowires in CNTs for Superior Oxygen Reduction Catalysis. <i>Advanced Energy Materials</i> ,2200849	21.8	1
10	Stable Lithium Plating and Stripping Enabled by a LiPON Nanolayer on PP Separator. <i>Small</i> ,2104832	11	1
9	Pathways of Exciton Triggered Hot-Carrier Injection at Plasmonic MetalTransition Metal Dichalcogenide Interface. <i>Advanced Optical Materials</i> ,2100070	8.1	0
8	Atomic-Scale Visualization of Polar Domain Boundaries in Ferroelectric InSe at the Monolayer Limit. <i>Journal of Physical Chemistry Letters</i> , <b>2021</b> , 11902-11909	6.4	0

7	Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS <sub>2</sub> islands. <i>Sensors and Actuators B: Chemical</i> , <b>2021</b> , 131081	8.5	o
6	Electronic Structure and Coupling of Re Clusters In Monolayer MoS <sub>2</sub> . <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 506-507	0.5	
5	Determining the 3D Atomic Coordinates and Crystal Defects in 2D Materials with Picometer Precision. <i>Microscopy and Microanalysis</i> , <b>2019</b> , 25, 404-405	0.5	
4	Quantification of Dopant Distribution and the Local Band Gap in Selenium-Doped Molybdenum Disulfide. <i>Microscopy and Microanalysis</i> , <b>2014</b> , 20, 1754-1755	0.5	
3	Interfaces in Two-Dimensional Heterostructures of Transition Metal Dichalcogenides. <i>Microscopy and Microanalysis</i> , <b>2015</b> , 21, 105-106	0.5	
2	Exchange of Re and Mo atoms in MoS <sub>2</sub> driven by Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , <b>2017</b> , 23, 1702-1703	0.5	
1	Single Atom Imaging and Spectroscopy of Impurities in 2D Materials. <i>Microscopy and Microanalysis</i> , <b>2016</b> , 22, 862-863	0.5	