

Yongji Gong

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.

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	Single-Atom Pt Anchored on Oxygen Vacancy of Monolayer TiCT for Superior Hydrogen Evolution.. <i>Nano Letters</i> , 2022 ,	11.5	7
149	Constructing Artificial SEI Layer on Lithiophilic MXene Surface for High-Performance Lithium Metal Anodes.. <i>Advanced Science</i> , 2022 , e2103930	13.6	6
148	In-situ constructed three-dimensional MoS ₂ /MoN heterostructure as the cathode of lithium-sulfur battery. <i>Rare Metals</i> , 2022 , 41, 1743-1752	5.5	3
147	Electrochemical CO reduction to ethylene by ultrathin CuO nanoplate arrays.. <i>Nature Communications</i> , 2022 , 13, 1877	17.4	11
146	Atomic-Scale Visualization of Polar Domain Boundaries in Ferroelectric InSe at the Monolayer Limit. <i>Journal of Physical Chemistry Letters</i> , 2021 , 11902-11909	6.4	0
145	An ultrathin rechargeable solid-state zinc ion fiber battery for electronic textiles. <i>Science Advances</i> , 2021 , 7, eabl3742	14.3	41
144	Ultrasensitive biochemical sensors based on controllably grown films of high-density edge-rich multilayer WS ₂ islands. <i>Sensors and Actuators B: Chemical</i> , 2021 , 131081	8.5	0
143	Cobalt Catalysts Enable Selective Hydrogenation of CO toward Diverse Products: Recent Progress and Perspective. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 10486-10496	6.4	7
142	Thermodynamics of order and randomness in dopant distributions inferred from atomically resolved imaging. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	1
141	Investigating phase transitions from local crystallographic analysis based on statistical learning of atomic environments in 2D MoS ₂ -ReS ₂ . <i>Applied Physics Reviews</i> , 2021 , 8, 011409	17.3	1
140	Proximity Enhanced Hydrogen Evolution Reactivity of Substitutional Doped Monolayer WS. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 19406-19413	9.5	6
139	Ultrathin FeTe nanosheets with tetragonal and hexagonal phases synthesized by chemical vapor deposition. <i>Materials Today</i> , 2021 , 45, 35-43	21.8	11
138	Grain-boundary-rich polycrystalline monolayer WS film for attomolar-level Hg sensors. <i>Nature Communications</i> , 2021 , 12, 3870	17.4	11
137	Heteroatoms/molecules to tune the properties of 2D materials. <i>Materials Today</i> , 2021 , 47, 108-130	21.8	7
136	Ni(OH) Templated Synthesis of Ultrathin Ni S Nanosheets as Bifunctional Electrocatalyst for Overall Water Splitting. <i>Small</i> , 2021 , 17, e2102097	11	14
135	Boron-doping induced lithophilic transition of graphene for dendrite-free lithium growth. <i>Journal of Energy Chemistry</i> , 2021 , 56, 463-469	12	10
134	Strong coupling and pressure engineering in WSe ₂ /MoSe ₂ heterobilayers. <i>Nature Physics</i> , 2021 , 17, 92-98	16.2	56

133	Synthesis of magnetic two-dimensional materials by chemical vapor deposition. <i>Nano Research</i> , 2021 , 14, 1789-1801	10	9
132	Deep subwavelength control of valley polarized cathodoluminescence in h-BN/WSe/h-BN heterostructure. <i>Nature Communications</i> , 2021 , 12, 291	17.4	9
131	3D Artificial Solid-Electrolyte Interphase for Lithium Metal Anodes Enabled by Insulator-Metal-Insulator Layered Heterostructures. <i>Advanced Materials</i> , 2021 , 33, e2006247	24	51
130	Anomalous thickness dependence of Curie temperature in air-stable two-dimensional ferromagnetic 1T-CrTe grown by chemical vapor deposition. <i>Nature Communications</i> , 2021 , 12, 809	17.4	51
129	Synergistic effect in ultrafine PtNiP nanowires for highly efficient electrochemical hydrogen evolution in alkaline electrolyte. <i>Applied Catalysis B: Environmental</i> , 2021 , 301, 120754	21.8	12
128	Self-Healing Nucleation Seeds Induced Long-Term Dendrite-Free Lithium Metal Anode. <i>Nano Letters</i> , 2021 , 21, 7715-7723	11.5	12
127	Enhanced mass transfer in three-dimensional single-atom nickel catalyst with open-pore structure for highly efficient CO ₂ electrolysis. <i>Journal of Energy Chemistry</i> , 2021 , 62, 43-50	12	13
126	High-sensitivity and versatile plasmonic biosensor based on grain boundaries in polycrystalline 1L WS films. <i>Biosensors and Bioelectronics</i> , 2021 , 194, 113596	11.8	2
125	Conversion of Intercalated MoO ₃ to Multi-Heteroatoms-Doped MoS ₂ with High Hydrogen Evolution Activity. <i>Advanced Materials</i> , 2020 , 32, e2001167	24	41
124	A MoO ₃ /MoO ₂ -CP self-supporting heterostructure for modification of lithium-sulfur batteries. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 15816-15821	13	21
123	Correlating the three-dimensional atomic defects and electronic properties of two-dimensional transition metal dichalcogenides. <i>Nature Materials</i> , 2020 , 19, 867-873	27	58
122	Thickness-Controlled Synthesis of CoX ₂ (X = S, Se, and Te) Single Crystalline 2D Layers with Linear Magnetoresistance and High Conductivity. <i>Chemistry of Materials</i> , 2020 , 32, 2321-2329	9.6	14
121	Epitaxial growth of metal-semiconductor van der Waals heterostructures NbS ₂ /MoS ₂ with enhanced performance of transistors and photodetectors. <i>Science China Materials</i> , 2020 , 63, 1548-1559	7.1	16
120	NiCo-Based Nanowire Arrays with Hierarchical Core-Shell Structure Electrodes for High-Performance Supercapacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7580-7587	6.1	4
119	Photodetection application of one-step synthesized wafer-scale monolayer MoS ₂ by chemical vapor deposition. <i>2D Materials</i> , 2020 , 7, 025020	5.9	8
118	In Situ Generation of Artificial Solid-Electrolyte Interphases on 3D Conducting Scaffolds for High-Performance Lithium-Metal Anodes. <i>Advanced Energy Materials</i> , 2020 , 10, 1903339	21.8	64
117	Membrane-Free Zn/MnO ₂ Flow Battery for Large-Scale Energy Storage. <i>Advanced Energy Materials</i> , 2020 , 10, 1902085	21.8	53
116	Influence of van der Waals epitaxy on phase transformation behaviors in 2D heterostructure. <i>Applied Physics Letters</i> , 2020 , 116, 021602	3.4	4

115	Conversion of non-van der Waals solids to 2D transition-metal chalcogenides. <i>Nature</i> , 2020 , 577, 492-496	50.4	76
114	Large-Scale Modification of Commercial Copper Foil with Lithiophilic Metal Layer for Li Metal Battery. <i>Small</i> , 2020 , 16, e1905620	11	34
113	Transition-Metal Substitution-Induced Lattice Strain and Electrical Polarity Reversal in Monolayer WS. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 18650-18659	9.5	6
112	In-Situ Formed Protecting Layer from Organic/Inorganic Concrete for Dendrite-Free Lithium Metal Anodes. <i>Nano Letters</i> , 2020 , 20, 3911-3917	11.5	30
111	Utilization of the van der Waals Gap of 2D Materials. <i>Wuli Huaxue Xuebao/Acta Physico-Chimica Sinica</i> , 2020 , 2010051-0	3.8	5
110	Effects of composition and temperature on the exciton emission behaviors of Mo(S Se) monolayer: experiment and theory. <i>Nanotechnology</i> , 2020 , 31, 155703	3.4	4
109	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 & Interfaces</i> , 2020 , 12, 3592-3602	9.5	48
108	Synergistic enhancement of electrocatalytic CO reduction to C oxygenates at nitrogen-doped nanodiamonds/Cu interface. <i>Nature Nanotechnology</i> , 2020 , 15, 131-137	28.7	92
107	Contact engineering for two-dimensional semiconductors. <i>Journal of Semiconductors</i> , 2020 , 41, 071901	2.3	7
106	Interface Engineering for Lithium Metal Anodes in Liquid Electrolyte. <i>Advanced Energy Materials</i> , 2020 , 10, 2001257	21.8	92
105	Ferroelectric-Modulated MoS Field-Effect Transistors as Multilevel Nonvolatile Memory. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 44902-44911	9.5	6
104	High-Performance Broadband Photodetectors of Heterogeneous 2D Inorganic Molecular Sb2O3/Monolayer MoS2 Crystals Grown via Chemical Vapor Deposition. <i>Advanced Optical Materials</i> , 2020 , 8, 2000168	8.1	4
103	Altering polythiophene derivative substrates to control the electrodeposition morphology of Au particles toward ultrafine nanoparticles. <i>Chemical Communications</i> , 2019 , 55, 12088-12091	5.8	2
102	Photoluminescence and Raman Spectra Oscillations Induced by Laser Interference in Annealing-Created Monolayer WS2 Bubbles. <i>Advanced Optical Materials</i> , 2019 , 7, 1801373	8.1	14
101	Horizontal Growth of Lithium on Parallelly Aligned MXene Layers towards Dendrite-Free Metallic Lithium Anodes. <i>Advanced Materials</i> , 2019 , 31, e1901820	24	112
100	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 & Interfaces</i> , 2019 , 11, 20979-20986	9.5	7
99	S-Doped Graphene-Regional Nucleation Mechanism for Dendrite-Free Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1804000	21.8	46
98	Recent advances of phase engineering in group VI transition metal dichalcogenides. <i>Tungsten</i> , 2019 , 1, 46-58	4.6	12

97	Accelerated Degradation of CrCl ₃ Nanoflakes Induced by Metal Electrodes: Implications for Remediation in Nanodevice Fabrication. <i>ACS Applied Nano Materials</i> , 2019 , 2, 1597-1603	5.6	7
96	Amidoxime-Functionalized Macroporous Carbon Self-Refreshed Electrode Materials for Rapid and High-Capacity Removal of Heavy Metal from Water. <i>ACS Central Science</i> , 2019 , 5, 719-726	16.8	47
95	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> , 2019 , 304, 350-359	6.7	15
94	Direct Cation Exchange in Monolayer MoS ₂ via Recombination-Enhanced Migration. <i>Physical Review Letters</i> , 2019 , 122, 106101	7.4	16
93	Uniform Lithium Deposition Assisted by Single-Atom Doping toward High-Performance Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2019 , 9, 1804019	21.8	95
92	Homogeneous guiding deposition of sodium through main group II metals toward dendrite-free sodium anodes. <i>Science Advances</i> , 2019 , 5, eaau6264	14.3	87
91	Electronic Structure and Coupling of Re Clusters In Monolayer MoS ₂ . <i>Microscopy and Microanalysis</i> , 2019 , 25, 506-507	0.5	
90	Determining the 3D Atomic Coordinates and Crystal Defects in 2D Materials with Picometer Precision. <i>Microscopy and Microanalysis</i> , 2019 , 25, 404-405	0.5	
89	Lateral Bilayer MoS ₂ /WS ₂ Heterostructure Photodetectors with High Responsivity and Detectivity. <i>Advanced Optical Materials</i> , 2019 , 7, 1900815	8.1	39
88	Unlocking the Potential of Disordered Rocksalts for Aqueous Zinc-Ion Batteries. <i>Advanced Materials</i> , 2019 , 31, e1904369	24	93
87	Large-Scale Growth and Field-Effect Transistors Electrical Engineering of Atomic-Layer SnS. <i>Small</i> , 2019 , 15, e1904116	11	29
86	Atomically Resolving Polymorphs and Crystal Structures of In ₂ Se ₃ . <i>Chemistry of Materials</i> , 2019 , 31, 10143-10149	13.6	149
85	Tin Intercalated Ultrathin MoO ₃ Nanoribbons for Advanced Lithium-Sulfur Batteries. <i>Advanced Energy Materials</i> , 2019 , 9, 1803137	21.8	87
84	Phase and interlayer effect of transition metal dichalcogenide cocatalyst toward photocatalytic hydrogen evolution: The case of MoSe ₂ . <i>Applied Catalysis B: Environmental</i> , 2019 , 243, 330-336	21.8	78
83	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> , 2019 , 243, 151-160	21.8	57
82	Spatially controlled doping of two-dimensional SnS through intercalation for electronics. <i>Nature Nanotechnology</i> , 2018 , 13, 294-299	28.7	169
81	Highly In-Plane Optical and Electrical Anisotropy of 2D Germanium Arsenide. <i>Advanced Functional Materials</i> , 2018 , 28, 1707379	15.6	92
80	Nitrogen-rich carbon nano-onions for oxygen reduction reaction. <i>Carbon</i> , 2018 , 130, 645-651	10.4	68

79	Anomalous Number Fluctuation Noise in Localized Transition Metal Dichalcogenide Layers: Generalization of McWhorter's Mechanism. <i>MRS Advances</i> , 2018 , 3, 299-305	0.7	1
78	Vertically Aligned and Continuous Nanoscale Ceramic-Polymer Interfaces in Composite Solid Polymer Electrolytes for Enhanced Ionic Conductivity. <i>Nano Letters</i> , 2018 , 18, 3829-3838	11.5	178
77	Dendrite-Free Metallic Lithium in Lithiophilic Carbonized Metal-Organic Frameworks. <i>Advanced Energy Materials</i> , 2018 , 8, 1703505	21.8	108
76	Gate-Induced Metal-Insulator Transition in MoS ₂ by Solid Superionic Conductor LaF ₃ . <i>Nano Letters</i> , 2018 , 18, 2387-2392	11.5	39
75	Tailoring MoS ₂ Valley-Polarized Photoluminescence with Super Chiral Near-Field. <i>Advanced Materials</i> , 2018 , 30, e1801908	24	66
74	Ultrafast probes of electron-hole transitions between two atomic layers. <i>Nature Communications</i> , 2018 , 9, 1859	17.4	23
73	Recent Advances in Synthesis and Applications of 2D Junctions. <i>Small</i> , 2018 , 14, e1801606	11	16
72	Rhenium-Doped and Stabilized MoS ₂ Atomic Layers with Basal-Plane Catalytic Activity. <i>Advanced Materials</i> , 2018 , 30, e1803477	24	110
71	Fundamental study on the wetting property of liquid lithium. <i>Energy Storage Materials</i> , 2018 , 14, 345-350	9.4	117
70	Ultrafast Zn Intercalation and Deintercalation in Vanadium Dioxide. <i>Advanced Materials</i> , 2018 , 30, e1800762	14.2	331
69	Growth of Molybdenum Carbide-Graphene Hybrids from Molybdenum Disulfide Atomic Layer Template. <i>Advanced Materials Interfaces</i> , 2017 , 4, 1600866	4.6	13
68	Direct growth of MoS ₂ single crystals on polyimide substrates. <i>2D Materials</i> , 2017 , 4, 021028	5.9	27
67	Synthesis of large-scale atomic-layer SnS ₂ through chemical vapor deposition. <i>Nano Research</i> , 2017 , 10, 2386-2394	10	97
66	Temperature dependent Raman and photoluminescence of vertical WS ₂ /MoS ₂ monolayer heterostructures. <i>Science Bulletin</i> , 2017 , 62, 16-21	10.6	25
65	Lattice Plasmon Induced Large Enhancement of Excitonic Emission in Monolayer Metal Dichalcogenides. <i>Plasmonics</i> , 2017 , 12, 1975-1981	2.4	5
64	Strong texturing of lithium metal in batteries. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 12138-12143	11.5	130
63	Designing artificial 2D crystals with site and size controlled quantum dots. <i>Scientific Reports</i> , 2017 , 7, 9965	4.9	10
62	Effect of Carrier Localization on Electrical Transport and Noise at Individual Grain Boundaries in Monolayer MoS ₂ . <i>Nano Letters</i> , 2017 , 17, 5452-5457	11.5	27

61	Stitching h-BN by atomic layer deposition of LiF as a stable interface for lithium metal anode. <i>Science Advances</i> , 2017 , 3, eaao3170	14.3	191
60	Atomic Layer Deposition of Stable LiAlF Lithium Ion Conductive Interfacial Layer for Stable Cathode Cycling. <i>ACS Nano</i> , 2017 , 11, 7019-7027	16.7	197
59	Brittle Fracture of 2D MoSe. <i>Advanced Materials</i> , 2017 , 29, 1604201	24	95
58	Room temperature 2D memristive transistor with optical short-term plasticity 2017 ,		3
57	Exchange of Re and Mo atoms in MoS2 driven by Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1702-1703	0.5	
56	Ultrafast Formation of interlayer hot excitons in atomically thin MoS2/WS2 heterostructures. <i>Nature Communications</i> , 2016 , 7, 12512	17.4	240
55	Layer Engineering of 2D Semiconductor Junctions. <i>Advanced Materials</i> , 2016 , 28, 5126-32	24	53
54	Defects Engineered Monolayer MoS2 for Improved Hydrogen Evolution Reaction. <i>Nano Letters</i> , 2016 , 16, 1097-103	11.5	794
53	Surface functionalization of two-dimensional metal chalcogenides by Lewis acid-base chemistry. <i>Nature Nanotechnology</i> , 2016 , 11, 465-71	28.7	150
52	Valley Trion Dynamics in Monolayer MoSe2 2016 ,		1
51	Synthesis of Millimeter-Scale Transition Metal Dichalcogenides Single Crystals. <i>Advanced Functional Materials</i> , 2016 , 26, 2009-2015	15.6	126
50	Active Control of PlasmonExciton Coupling in MoS2Ag Hybrid Nanostructures. <i>Advanced Optical Materials</i> , 2016 , 4, 1463-1469	8.1	55
49	Single Atom Imaging and Spectroscopy of Impurities in 2D Materials. <i>Microscopy and Microanalysis</i> , 2016 , 22, 862-863	0.5	
48	Valley trion dynamics in monolayer MoSe2. <i>Physical Review B</i> , 2016 , 94,	3.3	28
47	Strain-Induced Electronic Structure Changes in Stacked van der Waals Heterostructures. <i>Nano Letters</i> , 2016 , 16, 3314-20	11.5	101
46	Nanoscale-Barrier Formation Induced by Low-Dose Electron-Beam Exposure in Ultrathin MoS Transistors. <i>ACS Nano</i> , 2016 , 10, 9730-9737	16.7	16
45	Solid-Vapor Reaction Growth of Transition-Metal Dichalcogenide Monolayers. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10656-61	16.4	20
44	SolidVapor Reaction Growth of Transition-Metal Dichalcogenide Monolayers. <i>Angewandte Chemie</i> , 2016 , 128, 10814-10819	3.6	13

43	Two-Step Growth of Two-Dimensional WSe ₂ /MoSe ₂ Heterostructures. <i>Nano Letters</i> , 2015 , 15, 6135-41	11.5	401
42	Scalable Transfer of Suspended Two-Dimensional Single Crystals. <i>Nano Letters</i> , 2015 , 15, 5089-97	11.5	33
41	Optoelectronic crystal of artificial atoms in strain-textured molybdenum disulphide. <i>Nature Communications</i> , 2015 , 6, 7381	17.4	237
40	An Atomically Layered InSe Avalanche Photodetector. <i>Nano Letters</i> , 2015 , 15, 3048-55	11.5	201
39	A subthermionic tunnel field-effect transistor with an atomically thin channel. <i>Nature</i> , 2015 , 526, 91-5	50.4	622
38	Tellurium-Assisted Low-Temperature Synthesis of MoS ₂ and WS ₂ Monolayers. <i>ACS Nano</i> , 2015 , 9, 11658-67	16.7	107
37	3D Band Diagram and Photoexcitation of 2D-3D Semiconductor Heterojunctions. <i>Nano Letters</i> , 2015 , 15, 5919-25	11.5	26
36	Active Light Control of the MoS ₂ Monolayer Exciton Binding Energy. <i>ACS Nano</i> , 2015 , 9, 10158-64	16.7	153
35	Nanosized Pt anchored onto 3D nitrogen-doped graphene nanoribbons towards efficient methanol electrooxidation. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 19696-19701	13	49
34	Spectroscopic Signatures of AA' and AB Stacking of Chemical Vapor Deposited Bilayer MoS ₂ . <i>ACS Nano</i> , 2015 , 9, 12246-54	16.7	90
33	Band engineering for novel two-dimensional atomic layers. <i>Small</i> , 2015 , 11, 1868-84	11	79
32	Optoelectronic memory using two-dimensional materials. <i>Nano Letters</i> , 2015 , 15, 259-65	11.5	128
31	Interfaces in Two-Dimensional Heterostructures of Transition Metal Dichalcogenides. <i>Microscopy and Microanalysis</i> , 2015 , 21, 105-106	0.5	
30	Chemical Vapor Deposition of Monolayer Rhenium Disulfide (ReS ₂). <i>Advanced Materials</i> , 2015 , 27, 4640-84	11.5	177
29	3D Reduced Graphene Oxide Coated V ₂ O ₅ Nanoribbon Scaffolds for High-Capacity Supercapacitor Electrodes. <i>Particle and Particle Systems Characterization</i> , 2015 , 32, 817-821	3.1	43
28	Exfoliated MoO ₃ nanosheets for high-capacity lithium storage. <i>Electrochemistry Communications</i> , 2015 , 52, 67-70	5.1	60
27	Plasmonic hot electron enhanced MoS ₂ photocatalysis in hydrogen evolution. <i>Nanoscale</i> , 2015 , 7, 4482-87	8.7	142
26	Boron- and Nitrogen-Substituted Graphene Nanoribbons as Efficient Catalysts for Oxygen Reduction Reaction. <i>Chemistry of Materials</i> , 2015 , 27, 1181-1186	9.6	202

25	Fracture toughness of graphene. <i>Nature Communications</i> , 2014 , 5, 3782	17.4	433
24	Boron nitride-graphene nanocapacitor and the origins of anomalous size-dependent increase of capacitance. <i>Nano Letters</i> , 2014 , 14, 1739-44	11.5	100
23	Chemical vapor deposition growth of crystalline monolayer MoSe ₂ . <i>ACS Nano</i> , 2014 , 8, 5125-31	16.7	566
22	Band gap engineering and layer-by-layer mapping of selenium-doped molybdenum disulfide. <i>Nano Letters</i> , 2014 , 14, 442-9	11.5	378
21	Direct chemical conversion of graphene to boron- and nitrogen- and carbon-containing atomic layers. <i>Nature Communications</i> , 2014 , 5, 3193	17.4	169
20	CoMoO ₄ nanoparticles anchored on reduced graphene oxide nanocomposites as anodes for long-life lithium-ion batteries. <i>ACS Applied Materials & Interfaces</i> , 2014 , 6, 20414-22	9.5	107
19	Black phosphorus-monolayer MoS ₂ van der Waals heterojunction p-n diode. <i>ACS Nano</i> , 2014 , 8, 8292-9	16.7	979
18	Vertical and in-plane heterostructures from WS ₂ /MoS ₂ monolayers. <i>Nature Materials</i> , 2014 , 13, 1135-42	27	1580
17	Boron- and nitrogen-doped graphene quantum dots/graphene hybrid nanoplatelets as efficient electrocatalysts for oxygen reduction. <i>ACS Nano</i> , 2014 , 8, 10837-43	16.7	346
16	Two-Dimensional Ag Nanoparticle Tetramer Array for Surface-Enhanced Raman Scattering Measurements. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 22702-22710	3.8	10
15	A Bottom-Up Approach to Build 3D Architectures from Nanosheets for Superior Lithium Storage. <i>Advanced Functional Materials</i> , 2014 , 24, 125-130	15.6	235
14	Quantification of Dopant Distribution and the Local Band Gap in Selenium-Doped Molybdenum Disulfide. <i>Microscopy and Microanalysis</i> , 2014 , 20, 1754-1755	0.5	
13	Ultrathin high-temperature oxidation-resistant coatings of hexagonal boron nitride. <i>Nature Communications</i> , 2013 , 4, 2541	17.4	418
12	Building 3D structures of vanadium pentoxide nanosheets and application as electrodes in supercapacitors. <i>Nano Letters</i> , 2013 , 13, 5408-13	11.5	311
11	In-plane heterostructures of graphene and hexagonal boron nitride with controlled domain sizes. <i>Nature Nanotechnology</i> , 2013 , 8, 119-24	28.7	687
10	Direct laser-patterned micro-supercapacitors from paintable MoS ₂ films. <i>Small</i> , 2013 , 9, 2905-10	11	401
9	Bottom-up approach toward single-crystalline VO ₂ -graphene ribbons as cathodes for ultrafast lithium storage. <i>Nano Letters</i> , 2013 , 13, 1596-601	11.5	235
8	Exfoliated graphitic carbon nitride nanosheets as efficient catalysts for hydrogen evolution under visible light. <i>Advanced Materials</i> , 2013 , 25, 2452-6	24	1859

7	Graphene-network-backboned architectures for high-performance lithium storage. <i>Advanced Materials</i> , 2013 , 25, 3979-84	24	232
6	Single-Atom Reversible Lithiophilic Sites toward Stable Lithium Anodes. <i>Advanced Energy Materials</i> , 2103368	9	
5	Pathways of Exciton Triggered Hot-Carrier Injection at Plasmonic Metal/Transition Metal Dichalcogenide Interface. <i>Advanced Optical Materials</i> , 2100070	8.1	0
4	Broadband light absorption and photoresponse enhancement in monolayer WSe ₂ crystal coupled to Sb ₂ O ₃ microresonators. <i>Nano Research</i> , 1	10	1
3	Vertically Aligned MXene Nanosheet Arrays for High-Rate Lithium Metal Anodes. <i>Advanced Energy Materials</i> , 2200072	21.8	12
2	Confined PdMo Ultrafine Nanowires in CNTs for Superior Oxygen Reduction Catalysis. <i>Advanced Energy Materials</i> , 2200849	21.8	1
1	Stable Lithium Plating and Stripping Enabled by a LiPON Nanolayer on PP Separator. <i>Small</i> , 2104832	11	1