

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.

252 papers	17,186 citations	58 h-index	128 g-index
276 ext. papers	21,211 ext. citations	11.8 avg, IF	7 L-index

#	Paper	IF	Citations
252	Van der Waals heterostructures and devices. <i>Nature Reviews Materials</i> , 2016 , 1,	73.3	1262
251	High-speed graphene transistors with a self-aligned nanowire gate. <i>Nature</i> , 2010 , 467, 305-8	50.4	1031
250	Flexible solid-state supercapacitors based on three-dimensional graphene hydrogel films. <i>ACS Nano</i> , 2013 , 7, 4042-9	16.7	945
249	Highly efficient gate-tunable photocurrent generation in vertical heterostructures of layered materials. <i>Nature Nanotechnology</i> , 2013 , 8, 952-8	28.7	866
248	Electroluminescence and photocurrent generation from atomically sharp WSe ₂ /MoS ₂ heterojunction p-n diodes. <i>Nano Letters</i> , 2014 , 14, 5590-7	11.5	782
247	Approaching the Schottky-Mott limit in van der Waals metal-semiconductor junctions. <i>Nature</i> , 2018 , 557, 696-700	50.4	766
246	Graphene: an emerging electronic material. <i>Advanced Materials</i> , 2012 , 24, 5782-825	24	603
245	Plasmon resonance enhanced multicolour photodetection by graphene. <i>Nature Communications</i> , 2011 , 2, 579	17.4	546
244	Van der Waals integration before and beyond two-dimensional materials. <i>Nature</i> , 2019 , 567, 323-333	50.4	530
243	Chemical vapour deposition growth of large single crystals of monolayer and bilayer graphene. <i>Nature Communications</i> , 2013 , 4, 2096	17.4	422
242	Solution-processable 2D semiconductors for high-performance large-area electronics. <i>Nature</i> , 2018 , 562, 254-258	50.4	404
241	Few-layer molybdenum disulfide transistors and circuits for high-speed flexible electronics. <i>Nature Communications</i> , 2014 , 5, 5143	17.4	329
240	Large area growth and electrical properties of p-type WSe ₂ atomic layers. <i>Nano Letters</i> , 2015 , 15, 709-13	11.5	287
239	Toward barrier free contact to molybdenum disulfide using graphene electrodes. <i>Nano Letters</i> , 2015 , 15, 3030-4	11.5	286
238	Chemical vapor deposition growth of monolayer MoSe ₂ nanosheets. <i>Nano Research</i> , 2014 , 7, 511-517	10	285
237	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11916-11920	16.4	281
236	Aptasensor with Expanded Nucleotide Using DNA Nanotetrahedra for Electrochemical Detection of Cancerous Exosomes. <i>ACS Nano</i> , 2017 , 11, 3943-3949	16.7	264

235	A Nonenzymatic Hairpin DNA Cascade Reaction Provides High Signal Gain of mRNA Imaging inside Live Cells. <i>Journal of the American Chemical Society</i> , 2015 , 137, 4900-3	16.4	234
234	Wafer-scale growth of large arrays of perovskite microplate crystals for functional electronics and optoelectronics. <i>Science Advances</i> , 2015 , 1, e1500613	14.3	226
233	High-yield chemical vapor deposition growth of high-quality large-area AB-stacked bilayer graphene. <i>ACS Nano</i> , 2012 , 6, 8241-9	16.7	215
232	General synthesis of two-dimensional van der Waals heterostructure arrays. <i>Nature</i> , 2020 , 579, 368-374	50.4	195
231	Two-dimensional transistors beyond graphene and TMDCs. <i>Chemical Society Reviews</i> , 2018 , 47, 6388-6408	38.5	193
230	Size-dependent phase transition in methylammonium lead iodide perovskite microplate crystals. <i>Nature Communications</i> , 2016 , 7, 11330	17.4	173
229	van der Waals Heterojunction Devices Based on Organohalide Perovskites and Two-Dimensional Materials. <i>Nano Letters</i> , 2016 , 16, 367-73	11.5	163
228	A Sensitive Aptasensor Based on a Hemin/G-Quadruplex-Assisted Signal Amplification Strategy for Electrochemical Detection of Gastric Cancer Exosomes. <i>Small</i> , 2019 , 15, e1900735	11	158
227	A self-powered high-performance graphene/silicon ultraviolet photodetector with ultra-shallow junction: breaking the limit of silicon?. <i>Npj 2D Materials and Applications</i> , 2017 , 1,	8.8	144
226	Promises and prospects of two-dimensional transistors. <i>Nature</i> , 2021 , 591, 43-53	50.4	143
225	Two-dimensional materials in functional three-dimensional architectures with applications in photodetection and imaging. <i>Nature Communications</i> , 2018 , 9, 1417	17.4	136
224	Molecular Recognition-Based DNA Nanoassemblies on the Surfaces of Nanosized Exosomes. <i>Journal of the American Chemical Society</i> , 2017 , 139, 5289-5292	16.4	134
223	Aptasensors for pesticide detection. <i>Biosensors and Bioelectronics</i> , 2019 , 130, 174-184	11.8	130
222	Facile surface functionalization of hydrophobic magnetic nanoparticles. <i>Journal of the American Chemical Society</i> , 2014 , 136, 12552-5	16.4	124
221	Carbon dioxide in the cage: manganese metal-organic frameworks for high performance CO ₂ electrodes in Li-O ₂ batteries. <i>Energy and Environmental Science</i> , 2018 , 11, 1318-1325	35.4	121
220	Highly flexible electronics from scalable vertical thin film transistors. <i>Nano Letters</i> , 2014 , 14, 1413-8	11.5	113
219	Ionic Functionalization of Hydrophobic Colloidal Nanoparticles To Form Ionic Nanoparticles with Enzymelike Properties. <i>Journal of the American Chemical Society</i> , 2015 , 137, 14952-8	16.4	105
218	Gate-tunable frequency combs in graphene-nitride microresonators. <i>Nature</i> , 2018 , 558, 410-414	50.4	101

217	Real-time electrical detection of nitric oxide in biological systems with sub-nanomolar sensitivity. <i>Nature Communications</i> , 2013 , 4, 2225	17.4	96
216	A Metal-Organic Framework as Selectivity Regulator for Fe and Ascorbic Acid Detection. <i>Analytical Chemistry</i> , 2019 , 91, 12453-12460	7.8	92
215	Single Nanoparticle to 3D Supercage: Framing for an Artificial Enzyme System. <i>Journal of the American Chemical Society</i> , 2015 , 137, 13957-63	16.4	92
214	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 17048-17052	16.4	92
213	Pushing the Performance Limit of Sub-100 nm Molybdenum Disulfide Transistors. <i>Nano Letters</i> , 2016 , 16, 6337-6342	11.5	91
212	Broadband gate-tunable terahertz plasmons in graphene heterostructures. <i>Nature Photonics</i> , 2018 , 12, 22-28	33.9	83
211	Efficient strain modulation of 2D materials via polymer encapsulation. <i>Nature Communications</i> , 2020 , 11, 1151	17.4	81
210	Highly-anisotropic optical and electrical properties in layered SnSe. <i>Nano Research</i> , 2018 , 11, 554-564	10	77
209	ZrMOF nanoparticles as quenchers to conjugate DNA aptamers for target-induced bioimaging and photodynamic therapy. <i>Chemical Science</i> , 2018 , 9, 7505-7509	9.4	75
208	Self-Assembled DNA Immunonanoflowers as Multivalent CpG Nanoagents. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 24069-74	9.5	74
207	Synthetic Control of Two-Dimensional NiTe Single Crystals with Highly Uniform Thickness Distributions. <i>Journal of the American Chemical Society</i> , 2018 , 140, 14217-14223	16.4	74
206	Thiol-ene click chemistry: a biocompatible way for orthogonal bioconjugation of colloidal nanoparticles. <i>Chemical Science</i> , 2017 , 8, 6182-6187	9.4	71
205	Monodispersed MnO nanoparticles in graphene-an interconnected N-doped 3D carbon framework as a highly efficient gas cathode in Li ₂ CO ₂ batteries. <i>Energy and Environmental Science</i> , 2019 , 12, 1046-1054	35.4	69
204	Novel electrochemical sensing platform based on a molecularly imprinted polymer decorated 3D nanoporous nickel skeleton for ultrasensitive and selective determination of metronidazole. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15474-80	9.5	69
203	Sensitive pressure sensors based on conductive microstructured air-gap gates and two-dimensional semiconductor transistors. <i>Nature Electronics</i> , 2020 , 3, 59-69	28.4	69
202	Few-Layer GeAs Field-Effect Transistors and Infrared Photodetectors. <i>Advanced Materials</i> , 2018 , 30, e1705934	17.4	69
201	Van der Waals epitaxial growth of air-stable CrSe nanosheets with thickness-tunable magnetic order. <i>Nature Materials</i> , 2021 , 20, 818-825	27	68
200	Doping-free complementary WSe circuit via van der Waals metal integration. <i>Nature Communications</i> , 2020 , 11, 1866	17.4	68

199	Scalable fabrication of self-aligned graphene transistors and circuits on glass. <i>Nano Letters</i> , 2012 , 12, 2653-7	11.5	67
198	Versatile surface engineering of porous nanomaterials with bioinspired polyphenol coatings for targeted and controlled drug delivery. <i>Nanoscale</i> , 2016 , 8, 8600-6	7.7	66
197	van der Waals Epitaxial Growth of Atomically Thin 2D Metals on Dangling-Bond-Free WSe ₂ and WS ₂ . <i>Advanced Functional Materials</i> , 2019 , 29, 1806611	15.6	60
196	Solution processable colloidal nanoplates as building blocks for high-performance electronic thin films on flexible substrates. <i>Nano Letters</i> , 2014 , 14, 6547-53	11.5	60
195	Aptamers against Cells Overexpressing Glypican 3 from Expanded Genetic Systems Combined with Cell Engineering and Laboratory Evolution. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 12372-5	16.4	60
194	High-Performance Organic Vertical Thin Film Transistor Using Graphene as a Tunable Contact. <i>ACS Nano</i> , 2015 , 9, 11102-8	16.7	58
193	Perovskite/Black Phosphorus/MoS Photogate Reversed Photodiodes with Ultrahigh Light On/Off Ratio and Fast Response. <i>ACS Nano</i> , 2019 , 13, 4804-4813	16.7	53
192	In situ development of highly concave and composition-confined PtNi octahedra with high oxygen reduction reaction activity and durability. <i>Nano Research</i> , 2016 , 9, 149-157	10	52
191	Tunable Schottky barrier width and enormously enhanced photoresponsivity in Sb doped SnS ₂ monolayer. <i>Nano Research</i> , 2019 , 12, 463-468	10	50
190	High-order superlattices by rolling up van der Waals heterostructures. <i>Nature</i> , 2021 , 591, 385-390	50.4	47
189	Ostwald Ripening-Mediated Grafting of Metal-Organic Frameworks on a Single Colloidal Nanocrystal to Form Uniform and Controllable MXF. <i>Journal of the American Chemical Society</i> , 2019 , 141, 7407-7413	16.4	45
188	Solvent-Based Soft-Patterning of Graphene Lateral Heterostructures for Broadband High-Speed Metal-Semiconductor-Metal Photodetectors. <i>Advanced Materials Technologies</i> , 2017 , 2, 1600241	6.8	43
187	DLISA: A DNzyme-Based ELISA for Protein Enzyme-Free Immunoassay of Multiple Analytes. <i>Analytical Chemistry</i> , 2015 , 87, 7746-53	7.8	43
186	Improvement of gaseous pollutant photocatalysis with WO ₃ /TiO ₂ heterojunctional-electrical layered system. <i>Journal of Hazardous Materials</i> , 2011 , 196, 52-8	12.8	43
185	Quantum interference mediated vertical molecular tunneling transistors. <i>Science Advances</i> , 2018 , 4, eaat8237	18.3	43
184	Versatile synthesis of MnO nanolayers on upconversion nanoparticles and their application in activatable fluorescence and MRI imaging. <i>Chemical Science</i> , 2018 , 9, 5427-5434	9.4	43
183	Stretchable synaptic transistors with tunable synaptic behavior. <i>Nano Energy</i> , 2020 , 75, 104952	17.1	40
182	Conjugated polymer nanoparticles-based fluorescent biosensor for ultrasensitive detection of hydroquinone. <i>Analytica Chimica Acta</i> , 2018 , 1012, 60-65	6.6	40

181	Fluorescent Strips of Electrospun Fibers for Ratiometric Sensing of Serum Heparin and Urine Trypsin. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 3400-3410	9.5	38
180	In Situ Probing Molecular Intercalation in Two-Dimensional Layered Semiconductors. <i>Nano Letters</i> , 2019 , 19, 6819-6826	11.5	37
179	Phase-Tunable Synthesis of Ultrathin Layered Tetragonal CoSe and Nonlayered Hexagonal CoSe Nanoplates. <i>Advanced Materials</i> , 2019 , 31, e1900901	24	37
178	Artificial Base zT as Functional "Element" for Constructing Photoresponsive DNA Nanomolecules. <i>Journal of the American Chemical Society</i> , 2017 , 139, 9104-9107	16.4	36
177	Quest for p-Type Two-Dimensional Semiconductors. <i>ACS Nano</i> , 2019 , 13, 12294-12300	16.7	36
176	Ultrafast growth of large single crystals of monolayer WS and WSe. <i>National Science Review</i> , 2020 , 7, 737-744	10.8	36
175	Transferred van der Waals metal electrodes for sub-1-nm MoS ₂ vertical transistors. <i>Nature Electronics</i> , 2021 , 4, 342-347	28.4	36
174	Protein analysis of extracellular vesicles to monitor and predict therapeutic response in metastatic breast cancer. <i>Nature Communications</i> , 2021 , 12, 2536	17.4	36
173	High-Current-Density Vertical-Tunneling Transistors from Graphene/Highly Doped Silicon Heterostructures. <i>Advanced Materials</i> , 2016 , 28, 4120-5	24	35
172	High-capacity silicon-air battery in alkaline solution. <i>ChemSusChem</i> , 2012 , 5, 177-80	8.3	35
171	Vertical Charge Transport and Negative Transconductance in Multilayer Molybdenum Disulfides. <i>Nano Letters</i> , 2017 , 17, 5495-5501	11.5	35
170	Acetylation of Mitochondrial Trifunctional Protein β Subunit Enhances Its Stability To Promote Fatty Acid Oxidation and Is Decreased in Nonalcoholic Fatty Liver Disease. <i>Molecular and Cellular Biology</i> , 2016 , 36, 2553-67	4.8	34
169	Constructing Smart Protocells with Built-In DNA Computational Core to Eliminate Exogenous Challenge. <i>Journal of the American Chemical Society</i> , 2018 , 140, 6912-6920	16.4	31
168	Enhanced Targeted Gene Transduction: AAV2 Vectors Conjugated to Multiple Aptamers via Reducible Disulfide Linkages. <i>Journal of the American Chemical Society</i> , 2018 , 140, 2-5	16.4	30
167	DNA micelle flares: a study of the basic properties that contribute to enhanced stability and binding affinity in complex biological systems. <i>Chemical Science</i> , 2016 , 7, 6041-6049	9.4	30
166	Chemical Vapor Deposition Growth of Single Crystalline CoTe ₂ Nanosheets with Tunable Thickness and Electronic Properties. <i>Chemistry of Materials</i> , 2018 , 30, 8891-8896	9.6	30
165	Aptamer-based multifunctional ligand-modified UCNPs for targeted PDT and bioimaging. <i>Nanoscale</i> , 2018 , 10, 10986-10990	7.7	29
164	Aptamer/AuNP Biosensor for Colorimetric Profiling of Exosomal Proteins. <i>Angewandte Chemie</i> , 2017 , 129, 12078-12082	3.6	29

163	Direct van der Waals epitaxial growth of 1D/2D Sb ₂ Se ₃ /WS ₂ mixed-dimensional p-n heterojunctions. <i>Nano Research</i> , 2019 , 12, 1139-1145	10	28
162	Self-Assembled Molecular-Electronic Films Controlled by Room Temperature Quantum Interference. <i>CheM</i> , 2019 , 5, 474-484	16.2	28
161	2D Heterostructures for Ubiquitous Electronics and Optoelectronics: Principles, Opportunities, and Challenges.. <i>Chemical Reviews</i> , 2022 ,	68.1	28
160	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 11954-11957	16.4	27
159	Shape effects of electrospun fiber rods on the tissue distribution and antitumor efficacy. <i>Journal of Controlled Release</i> , 2016 , 244, 52-62	11.7	27
158	Vapor phase growth of two-dimensional PdSe ₂ nanosheets for high-photoresponsivity near-infrared photodetectors. <i>Nano Research</i> , 2020 , 13, 2091-2097	10	26
157	CRISPR-Cas13a mediated nanosystem for attomolar detection of canine parvovirus type 2. <i>Chinese Chemical Letters</i> , 2019 , 30, 2201-2204	8.1	26
156	Programmable devices based on reversible solid-state doping of two-dimensional semiconductors with superionic silver iodide. <i>Nature Electronics</i> , 2020 , 3, 630-637	28.4	26
155	Graphene: An Emerging Electronic Material (Adv. Mater. 43/2012). <i>Advanced Materials</i> , 2012 , 24, 5776-5776	46	25
154	Photoconductivity and trap-related decay in porous TiO ₂ /ZnO nanocomposites. <i>Journal of Applied Physics</i> , 2011 , 110, 123513	2.5	25
153	High-performance asymmetric electrodes photodiode based on Sb/WSe ₂ heterostructure. <i>Nano Research</i> , 2019 , 12, 339-344	10	25
152	Cross-Linked Aptamer-Lipid Micelles for Excellent Stability and Specificity in Target-Cell Recognition. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 11589-11593	16.4	24
151	Fibrous strips decorated with cleavable aggregation-induced emission probes for visual detection of Hg. <i>Journal of Hazardous Materials</i> , 2020 , 385, 121556	12.8	24
150	Three-dimensional graphene membrane cathode for high energy density rechargeable lithium-air batteries in ambient conditions. <i>Nano Research</i> , 2017 , 10, 472-482	10	23
149	Probing photoelectrical transport in lead halide perovskites with van der Waals contacts. <i>Nature Nanotechnology</i> , 2020 , 15, 768-775	28.7	23
148	Self-Assembled Aptamer-Grafted Hyperbranched Polymer Nanocarrier for Targeted and Photoresponsive Drug Delivery. <i>Angewandte Chemie</i> , 2018 , 130, 17294-17298	3.6	23
147	Highly Reliable Low-Voltage Memristive Switching and Artificial Synapse Enabled by van der Waals Integration. <i>Matter</i> , 2020 , 2, 965-976	12.7	22
146	High on/off ratio black phosphorus based memristor with ultra-thin phosphorus oxide layer. <i>Applied Physics Letters</i> , 2019 , 115, 193503	3.4	22

145	Rapid One-Step Detection of Viral Particles Using an Aptamer-Based Thermophoretic Assay. <i>Journal of the American Chemical Society</i> , 2021 , 143, 7261-7266	16.4	22
144	Two-dimensional plumbum-doped tin diselenide monolayer transistor with high on/off ratio. <i>Nanotechnology</i> , 2018 , 29, 474002	3.4	22
143	Enhanced mineralization of bisphenol A by eco-friendly BiFeO-MnO composite: Performance, mechanism and toxicity assessment. <i>Journal of Hazardous Materials</i> , 2020 , 399, 122883	12.8	21
142	Rational design of AlO/2D perovskite heterostructure dielectric for high performance MoS phototransistors. <i>Nature Communications</i> , 2020 , 11, 4266	17.4	21
141	A new type of halogen bond involving multivalent astatine: an ab initio study. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 15310-15318	3.6	20
140	van der Waals epitaxial growth of ultrathin metallic NiSe nanosheets on WSe ₂ as high performance contacts for WSe ₂ transistors. <i>Nano Research</i> , 2019 , 12, 1683-1689	10	20
139	Interface engineering for two-dimensional semiconductor transistors. <i>Nano Today</i> , 2019 , 25, 122-134	17.9	20
138	Palladium-catalysed dearomative aryl/cycloimidoylation of indoles. <i>Chemical Communications</i> , 2020 , 56, 3249-3252	5.8	19
137	On-Chip in Situ Monitoring of Competitive Interfacial Anionic Chemisorption as a Descriptor for Oxygen Reduction Kinetics. <i>ACS Central Science</i> , 2018 , 4, 590-599	16.8	19
136	Plasmonic/Nonlinear Optical Material Core/Shell Nanorods as Nanoscale Plasmon Modulators and Optical Voltage Sensors. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 583-7	16.4	19
135	Ambipolar Barristors for Reconfigurable Logic Circuits. <i>Nano Letters</i> , 2017 , 17, 1448-1454	11.5	18
134	Regium bonds formed by MX (M=Cu, Ag, Au; X=F, Cl, Br) with phosphine-oxide/phosphinous acid: comparisons between oxygen-shared and phosphine-shared complexes. <i>Molecular Physics</i> , 2019 , 117, 2443-2455	1.7	18
133	Blood compatibility evaluation of poly(D,L-lactide-co-beta-malic acid) modified with the GRGDS sequence. <i>Colloids and Surfaces B: Biointerfaces</i> , 2010 , 75, 370-6	6	18
132	High-Performance Organic Electrochemical Transistors with Nanoscale Channel Length and Their Application to Artificial Synapse. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 49915-49925	9.5	18
131	An Electrically Controlled Wavelength-Tunable Nanoribbon Laser. <i>ACS Nano</i> , 2020 , 14, 3397-3404	16.7	17
130	Carnosine suppresses oxygen-glucose deprivation/recovery-induced proliferation and migration of reactive astrocytes of rats in vitro. <i>Acta Pharmacologica Sinica</i> , 2018 , 39, 24-34	8	17
129	Ultrasensitive Organic-Modulated CsPbBr ₃ Quantum Dot Photodetectors via Fast Interfacial Charge Transfer. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1901741	4.6	17
128	High-Performance Photoinduced Memory with Ultrafast Charge Transfer Based on MoS ₂ /SWCNTs Network Van Der Waals Heterostructure. <i>Small</i> , 2019 , 15, e1804661	11	17

127	Improving areal capacity of flexible Li ₂ CO ₃ batteries by constructing a freestanding cathode with monodispersed MnO nanoparticles in N-doped mesoporous carbon nanofibers. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10354-10362	13	16
126	A theoretical investigation on Cu/Ag/Au bonding in XHP ² MY(X = H, CH, F, CN, NO; M = Cu, Ag, Au; Y = F, Cl, Br, I) complexes. <i>Journal of Chemical Physics</i> , 2018 , 148, 194106	3.9	16
125	Fe and Cu co-doped graphitic carbon nitride as an eco-friendly photo-assisted catalyst for aniline degradation. <i>Environmental Science and Pollution Research</i> , 2020 , 27, 29391-29407	5.1	15
124	Capacitive Micromachined Ultrasonic Transducers (CMUTs) for Underwater Imaging Applications. <i>Sensors</i> , 2015 , 15, 23205-17	3.8	15
123	Two-Dimensional Alloying Molybdenum Tin Disulfide Monolayers with Fast Photoresponse. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 39077-39087	9.5	14
122	Performance of geosynthetic-reinforced pile-supported embankment on soft marine deposit. <i>Proceedings of the Institution of Civil Engineers: Geotechnical Engineering</i> , 2020 , 1-59	0.9	14
121	All-Two-Dimensional-Material Hot Electron Transistor. <i>IEEE Electron Device Letters</i> , 2018 , 39, 634-637	4.4	14
120	Ta Doping Enhanced Room-Temperature Ferromagnetism in 2D Semiconducting MoTe ₂ Nanosheets. <i>Advanced Electronic Materials</i> , 2019 , 5, 1900552	6.4	14
119	Highly Sensitive Chemical Detection with Tunable Sensitivity and Selectivity from Ultrathin Platinum Nanowires. <i>Small</i> , 2017 , 13, 1602969	11	14
118	Experimental Study on the Pore Structure of Directionally Solidified Porous Cu-Mn Alloy. <i>Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science</i> , 2010 , 41, 3405-3411	2.3	14
117	Graphene-based vertical thin film transistors. <i>Science China Information Sciences</i> , 2020 , 63, 1	3.4	14
116	Electrically controllable laser frequency combs in graphene-fibre microresonators. <i>Light: Science and Applications</i> , 2020 , 9, 185	16.7	14
115	Maximizing the Current Output in Self-Aligned Graphene-InAs-Metal Vertical Transistors. <i>ACS Nano</i> , 2019 , 13, 847-854	16.7	14
114	Recognition-then-Reaction Enables Site-Selective Bioconjugation to Proteins on Live-Cell Surfaces. <i>Angewandte Chemie</i> , 2017 , 129, 12116-12119	3.6	13
113	The central trend in crop yields under climate change in China: A systematic review. <i>Science of the Total Environment</i> , 2020 , 704, 135355	10.2	13
112	Possible Luttinger liquid behavior of edge transport in monolayer transition metal dichalcogenide crystals. <i>Nature Communications</i> , 2020 , 11, 659	17.4	12
111	Domain wall motion in synthetic Co ₂ Si nanowires. <i>Nano Letters</i> , 2012 , 12, 1972-6	11.5	12
110	Physiological characteristics and metabolomics reveal the tolerance mechanism to low nitrogen in Glycine soja leaves. <i>Physiologia Plantarum</i> , 2020 , 168, 819-834	4.6	11

109	Kirigami-inspired multiscale patterning of metallic structures via predefined nanotrench templates. <i>Microsystems and Nanoengineering</i> , 2019 , 5, 54	7.7	11
108	Halogen bonds and metal bonds involving superalkalies M2OCN/M2NCO (M = Li, Na) complexes. <i>Structural Chemistry</i> , 2019 , 30, 965-977	1.8	11
107	In-plane epitaxial growth of 2D CoSe-WSe2 metal-semiconductor lateral heterostructures with improved WSe2 transistors performance. <i>Information Materials</i> , 2021 , 3, 222-228	23.1	11
106	Fibrous testing papers for fluorescence trace sensing and photodynamic destruction of antibiotic-resistant bacteria. <i>Journal of Materials Chemistry B</i> , 2020 , 8, 2709-2718	7.3	10
105	Effects of Precipitation and Topography on Total Phosphorus Loss from Purple Soil. <i>Water (Switzerland)</i> , 2017 , 9, 315	3	10
104	Reconfigurable electronics by disassembling and reassembling van der Waals heterostructures. <i>Nature Communications</i> , 2021 , 12, 1825	17.4	10
103	Profiling and targeting of cellular mitochondrial bioenergetics: inhibition of human gastric cancer cell growth by carnosine. <i>Acta Pharmacologica Sinica</i> , 2019 , 40, 938-948	8	10
102	Nanosensors for Diagnosis of Infectious Diseases.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 3863-3879	4.1	10
101	Synthesis of Ultrathin 2D Nonlayered δ -MnSe Nanosheets, MnSe/WS2 Heterojunction for High-Performance Photodetectors. <i>Small Structures</i> , 2021 , 2, 2100028	8.7	10
100	Physiological and metabolomics analyses of young and old leaves from wild and cultivated soybean seedlings under low-nitrogen conditions. <i>BMC Plant Biology</i> , 2019 , 19, 389	5.3	9
99	Changes in Global and Regional Characteristics of Heat Stress Waves in the 21st Century. <i>Earth's Future</i> , 2020 , 8, e2020EF001636	7.9	9
98	Reliable Patterning, Transfer Printing and Post-Assembly of Multiscale Adhesion-Free Metallic Structures for Nanogap Device Applications. <i>Advanced Functional Materials</i> , 2020 , 30, 2002549	15.6	9
97	Microfluidic solution-processed organic and perovskite nanowires fabricated for field-effect transistors and photodetectors. <i>Journal of Materials Chemistry C</i> , 2020 , 8, 2353-2362	7.1	9
96	Metabolomics reveals the drought-tolerance mechanism in wild soybean (<i>Glycine soja</i>). <i>Acta Physiologiae Plantarum</i> , 2019 , 41, 1	2.6	9
95	Luminescent metal organic frameworks with recognition sites for detection of hypochlorite through energy transfer. <i>Mikrochimica Acta</i> , 2019 , 186, 740	5.8	9
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