

Jing Kong

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.

248
papers

27,585
citations

76
h-index

164
g-index

275
ext. papers

31,884
ext. citations

12.8
avg, IF

7.03
L-index

#	Paper	IF	Citations
248	A Local Atomic Mechanism for Monoclinic-Tetragonal Phase Boundary Creation in Li-Doped NaKNbO Ferroelectric Solid Solution.. <i>Inorganic Chemistry</i> , 2022 , 61, 4335-4349	5.1	1
247	Healing of donor defect states in monolayer molybdenum disulfide using oxygen-incorporated chemical vapour deposition. <i>Nature Electronics</i> , 2022 , 5, 28-36	28.4	7
246	Electronic Band Tuning and Multivalley Raman Scattering in Monolayer Transition Metal Dichalcogenides at High Pressures.. <i>ACS Nano</i> , 2022 ,	16.7	3
245	Graphene-Lined Porous Gelatin Glycidyl Methacrylate Hydrogels: Implications for Tissue Engineering.. <i>ACS Applied Nano Materials</i> , 2021 , 4, 12650-12662	5.6	3
244	High Lift Micro-Aerial-Robot Powered by Low Voltage and Long Endurance Dielectric Elastomer Actuators. <i>Advanced Materials</i> , 2021 , e2106757	24	11
243	Toward an Intelligent Synthesis: Monitoring and Intervening in the Catalytic Growth of Carbon Nanotubes. <i>Journal of the American Chemical Society</i> , 2021 , 143, 17607-17614	16.4	1
242	Revealing the Brüsted-Evans-Polanyi relation in halide-activated fast MoS growth toward millimeter-sized 2D crystals. <i>Science Advances</i> , 2021 , 7, eabj3274	14.3	1
241	Efficient and Stable Mesoscopic Perovskite Solar Cells Using a Dopant-Free D _A Copolymer Hole-Transporting Layer. <i>Solar Rrl</i> , 2021 , 5, 2000801	7.1	3
240	Direct Prediction of Phonon Density of States With Euclidean Neural Networks. <i>Advanced Science</i> , 2021 , 8, e2004214	13.6	9
239	A Structural Study of 0.06LiNbO ₃ -0.94K _{0.5} Na _{0.5} NbO ₃ from Neutron Total Scattering Analysis. <i>Crystals</i> , 2021 , 11, 395	2.3	1
238	Monolayer Hexagonal Boron Nitride: An Efficient Electron Blocking Layer in Organic Photovoltaics. <i>Advanced Functional Materials</i> , 2021 , 31, 2101238	15.6	0
237	Synthesis of High-Performance Monolayer Molybdenum Disulfide at Low Temperature.. <i>Small Methods</i> , 2021 , 5, e2000720	12.8	3
236	Local structural mechanism for phase transition and ferroelectric polarization in the mixed oxide K _{0.5} Na _{0.5} NbO ₃ . <i>Physical Review B</i> , 2021 , 103,	3.3	3
235	Toward MXene interconnects. <i>Matter</i> , 2021 , 4, 1447-1449	12.7	2
234	SynCells: A 60 [60]h Electronic Platform with Remote Actuation for Sensing Applications in Constrained Environments. <i>ACS Nano</i> , 2021 , 15, 8803-8812	16.7	2
233	Resonance-Enhanced Excitation of Interlayer Vibrations in Atomically Thin Black Phosphorus. <i>Nano Letters</i> , 2021 , 21, 4809-4815	11.5	2
232	Ultralow contact resistance between semimetal and monolayer semiconductors. <i>Nature</i> , 2021 , 593, 211-214	30.7	154

231	Graphene coatings to enhance tribological performance of steel. <i>Mechanics of Advanced Materials and Structures</i> , 2021 , 28, 657-664	1.8	5
230	Multi-Level Electro-Thermal Switching of Optical Phase-Change Materials Using Graphene. <i>Advanced Photonics Research</i> , 2021 , 2, 2000034	1.9	24
229	Hard, transparent, sp ³ -containing 2D phase formed from few-layer graphene under compression. <i>Carbon</i> , 2021 , 173, 744-757	10.4	15
228	An optical slot-antenna-coupled cavity (SAC) framework towards tunable free-space graphene photonic surfaces. <i>Nano Research</i> , 2021 , 14, 1364-1373	10	0
227	Atomically precise single-crystal structures of electrically conducting 2D metal-organic frameworks. <i>Nature Materials</i> , 2021 , 20, 222-228	27	104
226	Large Single Crystals of Two-Dimensional π -Conjugated Metal-Organic Frameworks via Biphasic Solution-Solid Growth. <i>ACS Central Science</i> , 2021 , 7, 104-109	16.8	16
225	Giant enhancement of third-harmonic generation in graphene-metal heterostructures. <i>Nature Nanotechnology</i> , 2021 , 16, 318-324	28.7	9
224	Suppression of Photovoltaic Losses in Efficient Tandem Organic Solar Cells (15.2%) with Efficient Transporting Layers and Light Management Approach. <i>Energy Technology</i> , 2021 , 9, 2000751	3.5	2
223	Colossal switchable photocurrents in topological Janus transition metal dichalcogenides. <i>Npj Computational Materials</i> , 2021 , 7,	10.9	8
222	Understanding the Optimal Cooperativity of Human Glucokinase: Kinetic Resonance in Nonequilibrium Conformational Fluctuations. <i>Journal of Physical Chemistry Letters</i> , 2021 , 12, 2900-2904	6.4	
221	Spectroscopic Signatures of Interlayer Coupling in Janus MoSSe/MoS Heterostructures. <i>ACS Nano</i> , 2021 , 15, 14394-14403	16.7	6
220	Designing artificial two-dimensional landscapes via atomic-layer substitution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021 , 118,	11.5	9
219	Bottom-Up Synthesized All-Thermal-Catalyst Aerogels for Heat-Regenerative Air Filtration. <i>Nano Letters</i> , 2021 , 21, 8160-8165	11.5	0
218	Frank-van der Merwe growth in bilayer graphene. <i>Matter</i> , 2021 ,	12.7	7
217	Far-field excitation of single graphene plasmon cavities with ultracompressed mode volumes. <i>Science</i> , 2020 , 368, 1219-1223	33.3	48
216	Effect of different types of graphene coatings on friction and wear performance of aluminum alloy. <i>Mechanics of Advanced Materials and Structures</i> , 2020 , 1-9	1.8	6
215	Synergistic Roll-to-Roll Transfer and Doping of CVD-Graphene Using Parylene for Ambient-Stable and Ultra-Lightweight Photovoltaics. <i>Advanced Functional Materials</i> , 2020 , 30, 2001924	15.6	32
214	Room Temperature Terahertz Electroabsorption Modulation by Excitons in Monolayer Transition Metal Dichalcogenides. <i>Nano Letters</i> , 2020 , 20, 5214-5220	11.5	2

213	Deep-Learning-Enabled Fast Optical Identification and Characterization of 2D Materials. <i>Advanced Materials</i> , 2020 , 32, e2000953	24	21
212	MoS ₂ -carbon nanotube heterostructure as efficient hole transporters and conductors in perovskite solar cells. <i>Applied Physics Express</i> , 2020 , 13, 075009	2.4	7
211	Efficient, Flexible, and Ultra-Lightweight Inverted PbS Quantum Dots Solar Cells on All-CVD-Growth of Parylene/Graphene/oCVD PEDOT Substrate with High Power-per-Weight. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000498	4.6	11
210	Transient absorption of transition metal dichalcogenide monolayers studied by a photodope-pump-probe technique. <i>Physical Review B</i> , 2020 , 102,	3.3	6
209	Graphdiyne Coupled with g-C ₃ N ₄ /NiFe-Layered Double Hydroxide, a Layered Nanohybrid for Highly Efficient Photoelectrochemical Water Oxidation. <i>Advanced Materials Interfaces</i> , 2020 , 7, 1902083	4.6	14
208	Fluidic Flow Assisted Deterministic Folding of Van der Waals Materials. <i>Advanced Functional Materials</i> , 2020 , 30, 1908691	15.6	4
207	Blood-triggered generation of platinum nanoparticle functions as an anti-cancer agent. <i>Nature Communications</i> , 2020 , 11, 567	17.4	34
206	One-dimensional van der Waals heterostructures. <i>Science</i> , 2020 , 367, 537-542	33.3	119
205	Ferroelectric memory field-effect transistors using CVD monolayer MoS ₂ as resistive switching channel. <i>Applied Physics Letters</i> , 2020 , 116, 033501	3.4	14
204	Two-dimensional halide perovskite lateral epitaxial heterostructures. <i>Nature</i> , 2020 , 580, 614-620	50.4	142
203	Heavy Water Additive in Formamidinium: A Novel Approach to Enhance Perovskite Solar Cell Efficiency. <i>Advanced Materials</i> , 2020 , 32, e1907864	24	34
202	Strain-Correlated Localized Exciton Energy in Atomically Thin Semiconductors. <i>ACS Photonics</i> , 2020 , 7, 1135-1140	6.3	14
201	A novel and green sulfur fertilizer from CS to promote reproductive growth of plants. <i>Environmental Pollution</i> , 2020 , 263, 114448	9.3	5
200	Ultrasensitive micro/nanocrack-based graphene nanowall strain sensors derived from the substrate's Poisson's ratio effect. <i>Journal of Materials Chemistry A</i> , 2020 , 8, 10310-10317	13	15
199	Color Contrast of Single-Layer Graphene under White Light Illumination Induced by Broadband Photon Management. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 3827-3835	9.5	0
198	High-yield monolayer graphene grids for near-atomic resolution cryoelectron microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020 , 117, 1009-1014	11.5	37
197	Sustainable Synthesis of Biomass-Derived Carbon Electrodes with Hybrid Energy-Storage Behaviors for Use in High-Performance Na-Ion Capacitors. <i>ACS Applied Energy Materials</i> , 2020 , 3, 2478-2489	6.1	17
196	Unconventional ferroelectricity in moiré heterostructures. <i>Nature</i> , 2020 , 588, 71-76	50.4	56

195	Understanding Disorder in 2D Materials: The Case of Carbon Doping of Silicene. <i>Nano Letters</i> , 2020 , 20, 6336-6343	11.5	3
194	Anharmonicity and Universal Response of Linear Carbon Chain Mechanical Properties under Hydrostatic Pressure. <i>Physical Review Letters</i> , 2020 , 125, 105501	7.4	10
193	Enhancement of van der Waals Interlayer Coupling through Polar Janus MoSSe. <i>Journal of the American Chemical Society</i> , 2020 , 142, 17499-17507	16.4	23
192	Additive manufacturing assisted van der Waals integration of 3D/3D hierarchically functional nanostructures. <i>Communications Materials</i> , 2020 , 1,	6	4
191	Chirality-Dependent Second Harmonic Generation of MoS Nanoscroll with Enhanced Efficiency. <i>ACS Nano</i> , 2020 , 14, 13333-13342	16.7	11
190	Epitaxial Growth and Determination of Band Alignment of Bi ₂ Te ₃ /WSe ₂ Vertical van der Waals Heterojunctions 2020 , 2, 1351-1359		5
189	Novel Core-Shell (PbMnO/CeO) _n @CeO Composite Catalyst with a Synergistic Effect for Efficient Formaldehyde Oxidation. <i>ACS Applied Materials & Interfaces</i> , 2020 , 12, 40285-40295	9.5	23
188	Multifunctional PVDF/CNT/GO mixed matrix membranes for ultrafiltration and fouling detection. <i>Journal of Hazardous Materials</i> , 2020 , 384, 120978	12.8	41
187	Modelling electrical conduction in nanostructure assemblies through complex networks. <i>Nature Materials</i> , 2020 , 19, 745-751	27	14
186	Polymer-Coated Mesoporous Carbon as Enzyme Platform for Oxidation of Bisphenol A in Organic Solvents. <i>ACS Omega</i> , 2019 , 4, 16409-16417	3.9	3
185	Metal-Level Thermally Conductive yet Soft Graphene Thermal Interface Materials. <i>ACS Nano</i> , 2019 , 13, 11561-11571	16.7	117
184	Waterproof molecular monolayers stabilize 2D materials. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 20844-20849	11.5	24
183	A graphene/ZnO electron transfer layer together with perovskite passivation enables highly efficient and stable perovskite solar cells. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 679-686	13	103
182	Two-dimensional MoS-enabled flexible rectenna for Wi-Fi-band wireless energy harvesting. <i>Nature</i> , 2019 , 566, 368-372	50.4	164
181	Asymmetric hot-carrier thermalization and broadband photoresponse in graphene-2D semiconductor lateral heterojunctions. <i>Science Advances</i> , 2019 , 5, eaav1493	14.3	27
180	Engineering single-atom dynamics with electron irradiation. <i>Science Advances</i> , 2019 , 5, eaav2252	14.3	39
179	Light Management in Organic Photovoltaics Processed in Ambient Conditions Using ZnO Nanowire and Antireflection Layer with Nanocone Array. <i>Small</i> , 2019 , 15, e1900508	11	24
178	Controllable Perovskite Crystallization via Antisolvent Technique Using Chloride Additives for Highly Efficient Planar Perovskite Solar Cells. <i>Advanced Energy Materials</i> , 2019 , 9, 1803587	21.8	174

177	Intercalation-conversion hybrid cathodes enabling Li ⁺ full-cell architectures with jointly superior gravimetric and volumetric energy densities. <i>Nature Energy</i> , 2019 , 4, 374-382	62.3	282
176	Paraffin-enabled graphene transfer. <i>Nature Communications</i> , 2019 , 10, 867	17.4	122
175	Additive manufacturing of patterned 2D semiconductor through recyclable masked growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 3437-3442	11.5	25
174	Efficient Semitransparent CsPbI ₃ Quantum Dots Photovoltaics Using a Graphene Electrode. <i>Small Methods</i> , 2019 , 3, 1900449	12.8	35
173	Phonon Polaritons in Monolayers of Hexagonal Boron Nitride. <i>Advanced Materials</i> , 2019 , 31, e1806603	24	44
172	Effects of gamma radiation sterilization on the structural and biological properties of decellularized corneal xenografts. <i>Acta Biomaterialia</i> , 2019 , 96, 330-344	10.8	31
171	A relatively wide-bandgap and air-stable donor polymer for fabrication of efficient semitransparent and tandem organic photovoltaics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 22037-22043	11.5	16
170	Efficient and Stable Mesoscopic Perovskite Solar Cells Using PDTITT as a New Hole Transporting Layer. <i>Advanced Functional Materials</i> , 2019 , 29, 1905887	15.6	19
169	Direct Observation of Symmetry-Dependent Electron-Phonon Coupling in Black Phosphorus. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18994-19001	16.4	10
168	Investigation about tribological behavior of ABS and PC-ABS polymers coated with graphene. <i>Tribology International</i> , 2019 , 134, 335-340	4.9	21
167	Tuning, optimization, and perovskite solar cell device integration of ultrathin poly(3,4-ethylene dioxithiophene) films via a single-step all-dry process. <i>Science Advances</i> , 2019 , 5, eaay0414	14.3	42
166	Observation of charge transfer in mixed-dimensional heterostructures formed by transition metal dichalcogenide monolayers and PbS quantum dots. <i>Physical Review B</i> , 2019 , 100,	3.3	4
165	Self-Assembled, Ultrahigh Refractive Index Pseudo-Periodic Sn Nanostructures for Broad-Band Infrared Photon Management in Single Layer Graphene. <i>ACS Photonics</i> , 2019 , 6, 50-58	6.3	2
164	Giant intrinsic photoresponse in pristine graphene. <i>Nature Nanotechnology</i> , 2019 , 14, 145-150	28.7	36
163	Revealing molecular-level surface redox sites of controllably oxidized black phosphorus nanosheets. <i>Nature Materials</i> , 2019 , 18, 156-162	27	150
162	Graphene/Perovskite Schottky Barrier Solar Cells. <i>Advanced Sustainable Systems</i> , 2018 , 2, 1700106	5.9	11
161	Probing the ultimate plasmon confinement limits with a van der Waals heterostructure. <i>Science</i> , 2018 , 360, 291-295	33.3	179
160	Growing highly pure semiconducting carbon nanotubes by electrotwisting the helicity. <i>Nature Catalysis</i> , 2018 , 1, 326-331	36.5	42

159	Chemiresistive Graphene Sensors for Ammonia Detection. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 16169-16176	9.5	67
158	Tuning Electronic Structure of Single Layer MoS through Defect and Interface Engineering. <i>ACS Nano</i> , 2018 , 12, 2569-2579	16.7	133
157	Repeated roll-to-roll transfer of two-dimensional materials by electrochemical delamination. <i>Nanoscale</i> , 2018 , 10, 5522-5531	7.7	22
156	Graphene-Enhanced Raman Scattering (GERS): Chemical Effect 2018 , 415-449		5
155	Selectivity of Nanoporous MnO ₂ and TiO ₂ Membranes for Residual Contaminants in Treated Wastewater. <i>Chemical Engineering and Technology</i> , 2018 , 41, 413-420	2	8
154	Low-Temperature Copper Bonding Strategy with Graphene Interlayer. <i>ACS Nano</i> , 2018 , 12, 2395-2402	16.7	36
153	Suppression of Tumor Energy Supply by Liposomal Nanoparticle-Mediated Inhibition of Aerobic Glycolysis. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 2347-2353	9.5	22
152	Fast water transport in graphene nanofluidic channels. <i>Nature Nanotechnology</i> , 2018 , 13, 238-245	28.7	139
151	Large Photothermal Effect in Sub-40 nm h-BN Nanostructures Patterned Via High-Resolution Ion Beam. <i>Small</i> , 2018 , 14, e1800072	11	10
150	Phase-Modulated Degenerate Parametric Amplification Microscopy. <i>Nano Letters</i> , 2018 , 18, 5001-5006	11.5	13
149	Generating Sub-nanometer Pores in Single-Layer MoS by Heavy-Ion Bombardment for Gas Separation: A Theoretical Perspective. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 28909-28917	9.5	22
148	Raman Enhancement of Blood Constituent Proteins Using Graphene. <i>ACS Photonics</i> , 2018 , 5, 2978-2982	6.3	18
147	Exploring Low Internal Reorganization Energies for Silicene Nanoclusters. <i>Physical Review Applied</i> , 2018 , 9,	4.3	5
146	MoS ₂ Phase-junction-based Schottky Diodes for RF Electronics 2018 ,		5
145	Carbon nanotube-based flexible electrothermal film heaters with a high heating rate. <i>Royal Society Open Science</i> , 2018 , 5, 172072	3.3	30
144	Ambient-pressure CVD of graphene on low-index Ni surfaces using methane: A combined experimental and first-principles study. <i>Physical Review Materials</i> , 2018 , 2,	3.2	10
143	Observation of Exciton-Exciton Interaction Mediated Valley Depolarization in Monolayer MoSe. <i>Nano Letters</i> , 2018 , 18, 223-228	11.5	27
142	Nanoporous Graphene: Facile Fabrication of Large-Area Atomically Thin Membranes by Direct Synthesis of Graphene with Nanoscale Porosity (Adv. Mater. 49/2018). <i>Advanced Materials</i> , 2018 , 30, 1870376	24	1

141	Facile Fabrication of Large-Area Atomically Thin Membranes by Direct Synthesis of Graphene with Nanoscale Porosity. <i>Advanced Materials</i> , 2018 , 30, e1804977	24	35
140	In Situ-Generated Volatile Precursor for CVD Growth of a Semimetallic 2D Dichalcogenide. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 34401-34408	9.5	15
139	Efficient and tumor-specific knockdown of MTDH gene attenuates paclitaxel resistance of breast cancer cells both in vivo and in vitro. <i>Breast Cancer Research</i> , 2018 , 20, 113	8.3	20
138	Synthetic Lateral Metal-Semiconductor Heterostructures of Transition Metal Disulfides. <i>Journal of the American Chemical Society</i> , 2018 , 140, 12354-12358	16.4	60
137	CVD Technology for 2-D Materials. <i>IEEE Transactions on Electron Devices</i> , 2018 , 65, 4040-4052	2.9	23
136	Surface Engineering of TiO ₂ ETL for Highly Efficient and Hysteresis-Less Planar Perovskite Solar Cell (21.4%) with Enhanced Open-Circuit Voltage and Stability. <i>Advanced Energy Materials</i> , 2018 , 8, 1800754	21.8	193
135	Photothermal Effect: Large Photothermal Effect in Sub-40 nm h-BN Nanostructures Patterned Via High-Resolution Ion Beam (Small 22/2018). <i>Small</i> , 2018 , 14, 1870101	11	1
134	Concurrent Synthesis of High-Performance Monolayer Transition Metal Disulfides. <i>Advanced Functional Materials</i> , 2017 , 27, 1605896	15.6	31
133	Large, valley-exclusive Bloch-Siegert shift in monolayer WS. <i>Science</i> , 2017 , 355, 1066-1069	33.3	61
132	Hot Electron Transistor with van der Waals Base-Collector Heterojunction and High-Performance GaN Emitter. <i>Nano Letters</i> , 2017 , 17, 3089-3096	11.5	55
131	Epitaxial growth of large-area and highly crystalline anisotropic ReSe ₂ atomic layer. <i>Nano Research</i> , 2017 , 10, 2732-2742	10	47
130	Remote epitaxy through graphene enables two-dimensional material-based layer transfer. <i>Nature</i> , 2017 , 544, 340-343	50.4	273
129	Electrothermal Control of Graphene Plasmon-Phonon Polaritons. <i>Advanced Materials</i> , 2017 , 29, 1700566	24	20
128	Distortion of DNA Origami on Graphene Imaged with Advanced TEM Techniques. <i>Small</i> , 2017 , 13, 1700876	12	12
127	Observation of Exciton Redshift-Blueshift Crossover in Monolayer WS. <i>Nano Letters</i> , 2017 , 17, 4210-4216	11.5	68
126	Sensitive Phonon-Based Probe for Structure Identification of 1TPMoTe. <i>Journal of the American Chemical Society</i> , 2017 , 139, 8396-8399	16.4	30
125	Temporal and spatial valley dynamics in two-dimensional semiconductors probed via Kerr rotation. <i>Physical Review B</i> , 2017 , 95,	3.3	18
124	Role of Molecular Sieves in the CVD Synthesis of Large-Area 2D MoTe ₂ . <i>Advanced Functional Materials</i> , 2017 , 27, 1603491	15.6	46

123	M13 Virus Aerogels as a Scaffold for Functional Inorganic Materials. <i>Advanced Functional Materials</i> , 2017 , 27, 1603203	15.6	24
122	Chalcogenide glass-on-graphene photonics. <i>Nature Photonics</i> , 2017 , 11, 798-805	33.9	125
121	A MoTe-based light-emitting diode and photodetector for silicon photonic integrated circuits. <i>Nature Nanotechnology</i> , 2017 , 12, 1124-1129	28.7	229
120	Revealing the Bonding of Nitrogen Impurities in Monolayer Graphene. <i>Microscopy and Microanalysis</i> , 2017 , 23, 1750-1751	0.5	1
119	Monolayer Tungsten Disulfide (WS ₂) via Chlorine-Driven Chemical Vapor Transport. <i>Small</i> , 2017 , 13, 1701232	12.2	19
118	Raman evidence for pressure-induced formation of diamondene. <i>Nature Communications</i> , 2017 , 8, 96	17.4	94
117	Electrical Homogeneity of Large-Area Chemical Vapor Deposited Multilayer Hexagonal Boron Nitride Sheets. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 39895-39900	9.5	15
116	Nanoporous Atomically Thin Graphene Membranes for Desalting and Dialysis Applications. <i>Advanced Materials</i> , 2017 , 29, 1700277	24	85
115	Quenching of photoluminescence of Rhodamine 6G molecules on functionalized graphene. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2347-2350	1.3	6
114	Ultrasmall Mode Volumes in Plasmonic Cavities of Nanoparticle-On-Mirror Structures. <i>Small</i> , 2016 , 12, 5190-5199	11	39
113	In-Plane Optical Anisotropy of Layered Gallium Telluride. <i>ACS Nano</i> , 2016 , 10, 8964-72	16.7	140
112	Design, Modeling, and Fabrication of Chemical Vapor Deposition Grown MoS ₂ Circuits with E-Mode FETs for Large-Area Electronics. <i>Nano Letters</i> , 2016 , 16, 6349-6356	11.5	102
111	Synthesis of High-Quality Large-Area Homogenous 1TPMoTe from Chemical Vapor Deposition. <i>Advanced Materials</i> , 2016 , 28, 9526-9531	24	88
110	Visibly-Transparent Organic Solar Cells on Flexible Substrates with All-Graphene Electrodes. <i>Advanced Energy Materials</i> , 2016 , 6, 1600847	21.8	108
109	MoS ₂ Field-Effect Transistor with Sub-10 nm Channel Length. <i>Nano Letters</i> , 2016 , 16, 7798-7806	11.5	283
108	High Luminescence Efficiency in MoS ₂ Grown by Chemical Vapor Deposition. <i>ACS Nano</i> , 2016 , 10, 6535-416.7	16.7	115
107	A Rational Strategy for Graphene Transfer on Substrates with Rough Features. <i>Advanced Materials</i> , 2016 , 28, 2382-92	24	63
106	Low-Frequency Interlayer Raman Modes to Probe Interface of Twisted Bilayer MoS ₂ . <i>Nano Letters</i> , 2016 , 16, 1435-44	11.5	130

105	The hierarchical porosity of a three-dimensional graphene electrode for binder-free and high performance supercapacitors. <i>RSC Advances</i> , 2016 , 6, 8384-8394	3.7	20
104	Tuning ultrafast electron thermalization pathways in a van der Waals heterostructure. <i>Nature Physics</i> , 2016 , 12, 455-459	16.2	96
103	Anisotropic Electron-Photon and Electron-Phonon Interactions in Black Phosphorus. <i>Nano Letters</i> , 2016 , 16, 2260-7	11.5	266
102	Porous Cu Nanowire Aerosponges from One-Step Assembly and their Applications in Heat Dissipation. <i>Advanced Materials</i> , 2016 , 28, 1413-9	24	85
101	Parallel Stitching of 2D Materials. <i>Advanced Materials</i> , 2016 , 28, 2322-9	24	161
100	Enhancing the Sensitivity of Percolative Graphene Films for Flexible and Transparent Pressure Sensor Arrays. <i>Advanced Functional Materials</i> , 2016 , 26, 5061-5067	15.6	72
99	Coupling-Enhanced Broadband Mid-infrared Light Absorption in Graphene Plasmonic Nanostructures. <i>ACS Nano</i> , 2016 , 10, 11172-11178	16.7	46
98	Observation of Intervalley Biexcitonic Optical Stark Effect in Monolayer WS. <i>Nano Letters</i> , 2016 , 16, 7421-7426	17.4	35
97	Pre-Patterned CVD Graphene: Insights on ALD deposition parameters and their influence on Al ₂ O ₃ and graphene layers. <i>MRS Advances</i> , 2016 , 1, 1401-1409	0.7	2
96	Transition from Diffusion-Controlled Intercalation into Extrinsic Pseudocapacitive Charge Storage of MoS ₂ by Nanoscale Heterostructuring. <i>Advanced Energy Materials</i> , 2016 , 6, 1501115	21.8	133
95	Omnidirectionally Stretchable and Transparent Graphene Electrodes. <i>ACS Nano</i> , 2016 , 10, 9446-9455	16.7	75
94	Reversibly Compressible, Highly Elastic, and Durable Graphene Aerogels for Energy Storage Devices under Limiting Conditions. <i>Advanced Functional Materials</i> , 2015 , 25, 1053-1062	15.6	121
93	Facile graphene transfer directly to target substrates with a reusable metal catalyst. <i>Nanoscale</i> , 2015 , 7, 14807-12	7.7	24
92	Symmetry Engineering of Graphene Plasmonic Crystals. <i>Nano Letters</i> , 2015 , 15, 5001-9	11.5	8
91	Lighting up the Raman signal of molecules in the vicinity of graphene related materials. <i>Accounts of Chemical Research</i> , 2015 , 48, 1862-70	24.3	115
90	Nanofiltration across Defect-Sealed Nanoporous Monolayer Graphene. <i>Nano Letters</i> , 2015 , 15, 3254-60	11.5	229
89	Low-Frequency Interlayer Breathing Modes in Few-Layer Black Phosphorus. <i>Nano Letters</i> , 2015 , 15, 4080-8	18.5	154
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