

# Jonathan N Coleman

## 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.

357 papers	73,026 citations	105 h-index	269 g-index
383 ext. papers	80,297 ext. citations	9.7 avg, IF	8.02 L-index

#	Paper	IF	Citations
357	Quantifying the Piezoresistive Mechanism in High-Performance Printed Graphene Strain Sensors.. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2022</b> , 14, 7141-7151	9.5	2
356	Highly Conductive Networks of Silver Nanosheets.. <i>Small</i> , <b>2022</b> , e2105996	11	2
355	Quantifying the Effect of Separator Thickness on Rate Performance in Lithium-Ion Batteries. <i>Journal of the Electrochemical Society</i> , <b>2022</b> , 169, 030503	3.9	3
354	Liquid phase exfoliation of nonlayered non-van der Waals iron trifluoride (FeF <sub>3</sub> ) into 2D-platelets for high-capacity lithium storing cathodes. <i>FlatChem</i> , <b>2022</b> , 33, 100360	5.1	4
353	Liquid-phase Exfoliation of Nonlayered non-van der Waals Crystals into Nanoplatelets.. <i>Advanced Materials</i> , <b>2022</b> , e2202164	24	6
352	Additive Manufacturing of Ti C MXene-Functionalized Conductive Polymer Hydrogels for Electromagnetic-Interference Shielding. <i>Advanced Materials</i> , <b>2021</b> , e2106253	24	19
351	2D nanosheets from fool's gold by LPE: High performance lithium-ion battery anodes made from stone. <i>FlatChem</i> , <b>2021</b> , 30, 100295	5.1	4
350	A Simple Model Relating Gauge Factor to Filler Loading in Nanocomposite Strain Sensors.. <i>ACS Applied Nano Materials</i> , <b>2021</b> , 4, 2876-2886	5.6	11
349	Printable G-Putty for Frequency- and Rate-Independent, High-Performance Strain Sensors. <i>Small</i> , <b>2021</b> , 17, e2006542	11	7
348	On the relationship between morphology and conductivity in nanosheet networks. <i>Carbon</i> , <b>2021</b> , 171, 306-319	10.4	11
347	Label-free screening of biochemical changes in macrophage-like cells following MoS <sub>2</sub> exposure using Raman micro-spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2021</b> , 246, 118916	4.4	3
346	Liquid Exfoliated SnP <sub>3</sub> Nanosheets for Very High Areal Capacity Lithium-Ion Batteries. <i>Advanced Energy Materials</i> , <b>2021</b> , 11, 2002364	21.8	17
345	Tuning the Photo-electrochemical Performance of Ru -Sensitized Two-Dimensional MoS <sub>2</sub> . <i>Chemistry - A European Journal</i> , <b>2021</b> , 27, 984-992	4.8	2
344	Covalently interconnected transition metal dichalcogenide networks via defect engineering for high-performance electronic devices. <i>Nature Nanotechnology</i> , <b>2021</b> , 16, 592-598	28.7	22
343	Mechanochromic and Thermochromic Sensors Based on Graphene Infused Polymer Opals. <i>Advanced Functional Materials</i> , <b>2020</b> , 30, 2002473	15.6	29
342	Extra lithium-ion storage capacity enabled by liquid-phase exfoliated indium selenide nanosheets conductive network. <i>Energy and Environmental Science</i> , <b>2020</b> , 13, 2124-2133	35.4	20
341	Pristine graphene induces innate immune training. <i>Nanoscale</i> , <b>2020</b> , 12, 11192-11200	7.7	16

340	Using chronoamperometry to rapidly measure and quantitatively analyse rate-performance in battery electrodes. <i>Journal of Power Sources</i> , <b>2020</b> , 468, 228220	8.9	9
339	Effect of Surfactant Choice and Concentration on the Dimensions and Yield of Liquid-Phase-Exfoliated Nanosheets. <i>Chemistry of Materials</i> , <b>2020</b> , 32, 2852-2862	9.6	15
338	Mechanisms of Liquid-Phase Exfoliation for the Production of Graphene. <i>ACS Nano</i> , <b>2020</b> , 14, 10976-10985	8.7	59
337	Effect of the Gate Volume on the Performance of Printed Nanosheet Network-Based Transistors. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 2164-2170	4	2
336	Production and processing of graphene and related materials. <i>2D Materials</i> , <b>2020</b> , 7, 022001	5.9	179
335	The Rate Performance of Two-Dimensional Material-Based Battery Electrodes May Not Be as Good as Commonly Believed. <i>ACS Nano</i> , <b>2020</b> , 14, 3129-3140	16.7	36
334	Selective electrochemical production of hydrogen peroxide at zigzag edges of exfoliated molybdenum telluride nanoflakes. <i>National Science Review</i> , <b>2020</b> , 7, 1360-1366	10.8	27
333	High Charge and Discharge Rate Limitations in Ordered Macroporous Li-ion Battery Materials. <i>Journal of the Electrochemical Society</i> , <b>2020</b> , 167, 140532	3.9	2
332	Developing models to fit capacity-rate data in battery systems. <i>Current Opinion in Electrochemistry</i> , <b>2020</b> , 21, 1-6	7.2	7
331	Electronic Polarizability as the Fundamental Variable in the Dielectric Properties of Two-Dimensional Materials. <i>Nano Letters</i> , <b>2020</b> , 20, 841-851	11.5	31
330	High Performance Na-O Batteries and Printed Microsupercapacitors Based on Water-Processable, Biomolecule-Assisted Anodic Graphene. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 494-506	9.5	15
329	In vitro localisation and degradation of few-layer MoS <sub>2</sub> submicrometric plates in human macrophage-like cells: a label free Raman micro-spectroscopic study. <i>2D Materials</i> , <b>2020</b> , 7, 025003	5.9	8
328	All-Printed Dielectric Capacitors from High-Permittivity, Liquid-Exfoliated BiOCl Nanosheets. <i>ACS Applied Electronic Materials</i> , <b>2020</b> , 2, 3233-3241	4	10
327	Quantifying the Dependence of Battery Rate Performance on Electrode Thickness. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 10154-10163	6.1	8
326	Quantifying the Effect of Electronic Conductivity on the Rate Performance of Nanocomposite Battery Electrodes. <i>ACS Applied Energy Materials</i> , <b>2020</b> , 3, 2966-2974	6.1	34
325	Low cost, high performance ultrafiltration membranes from glass fiber-PTFE-graphene composites. <i>Scientific Reports</i> , <b>2020</b> , 10, 21123	4.9	5
324	Production of Quasi-2D Platelets of Nonlayered Iron Pyrite (FeS) by Liquid-Phase Exfoliation for High Performance Battery Electrodes. <i>ACS Nano</i> , <b>2020</b> , 14, 13418-13432	16.7	20
323	Liquid phase exfoliation of GeS nanosheets in ambient conditions for lithium ion battery applications. <i>2D Materials</i> , <b>2020</b> , 7, 035015	5.9	18

322	Ferroelectric Behavior in Exfoliated 2D Aurivillius Oxide Flakes of Sub-Unit Cell Thickness. <i>Advanced Electronic Materials</i> , <b>2020</b> , 6, 1901264	6.4	13
321	Liquid phase exfoliation of carbonate-intercalated layered double hydroxides. <i>Chemical Communications</i> , <b>2019</b> , 55, 3315-3318	5.8	30
320	Percolation Effects in Electrolytically Gated WS/Graphene Nano:Nano Composites. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2019</b> , 11, 8545-8555	9.5	16
319	High areal capacity battery electrodes enabled by segregated nanotube networks. <i>Nature Energy</i> , <b>2019</b> , 4, 560-567	62.3	153
318	Negative Gauge Factor Piezoresistive Composites Based on Polymers Filled with MoS Nanosheets. <i>ACS Nano</i> , <b>2019</b> , 13, 6845-6855	16.7	37
317	Equipartition of Energy Defines the Size-Thickness Relationship in Liquid-Exfoliated Nanosheets. <i>ACS Nano</i> , <b>2019</b> , 13, 7050-7061	16.7	71
316	Quantifying the factors limiting rate performance in battery electrodes. <i>Nature Communications</i> , <b>2019</b> , 10, 1933	17.4	114
315	Additive-free MXene inks and direct printing of micro-supercapacitors. <i>Nature Communications</i> , <b>2019</b> , 10, 1795	17.4	407
314	Solvent exfoliation stabilizes TiS nanosheets against oxidation, facilitating lithium storage applications. <i>Nanoscale</i> , <b>2019</b> , 11, 6206-6216	7.7	26
313	Liquid phase exfoliation of MoO <sub>2</sub> nanosheets for lithium ion battery applications. <i>Nanoscale Advances</i> , <b>2019</b> , 1, 1560-1570	5.1	29
312	Whiskey-phase exfoliation: exfoliation and printing of nanosheets using Irish whiskey. <i>2D Materials</i> , <b>2019</b> , 6, 045036	5.9	18
311	Self-Assembly of Atomically Thin Chiral Copper Heterostructures Templated by Black Phosphorus. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1903120	15.6	7
310	Quantifying the Trade-Off between Absolute Capacity and Rate Performance in Battery Electrodes. <i>Advanced Energy Materials</i> , <b>2019</b> , 9, 1901359	21.8	28
309	High capacity silicon anodes enabled by MXene viscous aqueous ink. <i>Nature Communications</i> , <b>2019</b> , 10, 849	17.4	174
308	Length- and Thickness-Dependent Optical Response of Liquid-Exfoliated Transition Metal Dichalcogenides. <i>Chemistry of Materials</i> , <b>2019</b> , 31, 10049-10062	9.6	27
307	Exfoliation of 2D materials by high shear mixing. <i>2D Materials</i> , <b>2019</b> , 6, 015008	5.9	43
306	Graphene-coated polymer foams as tuneable impact sensors. <i>Nanoscale</i> , <b>2018</b> , 10, 5366-5375	7.7	36
305	Spectroscopic Size and Thickness Metrics for Liquid-Exfoliated h-BN. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 1998-2005	9.6	43

304	Electroconductive Biohybrid Collagen/Pristine Graphene Composite Biomaterials with Enhanced Biological Activity. <i>Advanced Materials</i> , <b>2018</b> , 30, e1706442	24	60
303	Biological recognition of graphene nanoflakes. <i>Nature Communications</i> , <b>2018</b> , 9, 1577	17.4	55
302	Monolayer-enriched production of Au-decorated WS <sub>2</sub> Nanosheets via Defect Engineering. <i>MRS Advances</i> , <b>2018</b> , 3, 2435-2440	0.7	2
301	Liquid Exfoliated Co(OH) <sub>2</sub> Nanosheets as Low-Cost, Yet High-Performance, Catalysts for the Oxygen Evolution Reaction. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702965	21.8	75
300	Dependence of Photocurrent Enhancements in Quantum Dot (QD)-Sensitized MoS <sub>2</sub> Devices on MoS <sub>2</sub> Film Properties. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1706149	15.6	14
299	Electrochemical water oxidation: The next five years. <i>Current Opinion in Electrochemistry</i> , <b>2018</b> , 7, 31-35	7.2	32
298	Charge trapping and coalescence dynamics in few layer MoS <sub>2</sub> . <i>2D Materials</i> , <b>2018</b> , 5, 015011	5.9	18
297	The Effect of Network Formation on the Mechanical Properties of 1D:2D Nano:Nano Composites. <i>Chemistry of Materials</i> , <b>2018</b> , 30, 5245-5255	9.6	27
296	Optimising composite viscosity leads to high sensitivity electromechanical sensors. <i>2D Materials</i> , <b>2018</b> , 5, 035042	5.9	11
295	Ru Photosensitizer-Functionalized Two-Dimensional MoS for Light-Driven Hydrogen Evolution. <i>Chemistry - A European Journal</i> , <b>2018</b> , 24, 351-355	4.8	15
294	Carbon nanotubes-bridged molybdenum trioxide nanosheets as high performance anode for lithium ion batteries. <i>2D Materials</i> , <b>2018</b> , 5, 015024	5.9	17
293	Exfoliation in Endotoxin-Free Albumin Generates Pristine Graphene with Reduced Inflammatory Properties. <i>Advanced Biology</i> , <b>2018</b> , 2, 1800102	3.5	7
292	Non-resonant light scattering in dispersions of 2D nanosheets. <i>Nature Communications</i> , <b>2018</b> , 9, 4553	17.4	37
291	Quantifying the Role of Nanotubes in Nano:Nano Composite Supercapacitor Electrodes. <i>Advanced Energy Materials</i> , <b>2018</b> , 8, 1702364	21.8	25
290	Probing the local nature of excitons and plasmons in few-layer MoS <sub>2</sub> . <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	41
289	Industrial grade 2D molybdenum disulphide (MoS <sub>2</sub> ): an in vitro exploration of the impact on cellular uptake, cytotoxicity, and inflammation. <i>2D Materials</i> , <b>2017</b> , 4, 025065	5.9	36
288	Exploring the versatility of liquid phase exfoliation: producing 2D nanosheets from talcum powder, cat litter and beach sand. <i>2D Materials</i> , <b>2017</b> , 4, 025054	5.9	29
287	All-printed thin-film transistors from networks of liquid-exfoliated nanosheets. <i>Science</i> , <b>2017</b> , 356, 69-73	33.3	301

286	The dependence of the measured surface energy of graphene on nanosheet size. <i>2D Materials</i> , <b>2017</b> , 4, 015040	5.9	13
285	Light scattering and random lasing in aqueous suspensions of hexagonal boron nitride nanoflakes. <i>Nanotechnology</i> , <b>2017</b> , 28, 47LT02	3.4	5
284	Transparent, Flexible, and Conductive 2D Titanium Carbide (MXene) Films with High Volumetric Capacitance. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702678	24	538
283	Synthesis of layered platelets by self-assembly of rhenium-based clusters directed by long-chain amines. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	3
282	Enabling Flexible Heterostructures for Li-Ion Battery Anodes Based on Nanotube and Liquid-Phase Exfoliated 2D Gallium Chalcogenide Nanosheet Colloidal Solutions. <i>Small</i> , <b>2017</b> , 13, 1701677	11	57
281	Tuneable photoconductivity and mobility enhancement in printed MoS <sub>2</sub> /graphene composites. <i>2D Materials</i> , <b>2017</b> , 4, 041006	5.9	10
280	Surface coatings of silver nanowires lead to effective, high conductivity, high-strain, ultrathin sensors. <i>Nanoscale</i> , <b>2017</b> , 9, 18507-18515	7.7	36
279	Robustness of Size Selection and Spectroscopic Size, Thickness and Monolayer Metrics of Liquid-Exfoliated WS <sub>2</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700443	1.3	20
278	Cobalt hydroxide nanoflakes and their application as supercapacitors and oxygen evolution catalysts. <i>Nanotechnology</i> , <b>2017</b> , 28, 375401	3.4	25
277	Liquid exfoliation of interlayer spacing-tunable 2D vanadium oxide nanosheets: High capacity and rate handling Li-ion battery cathodes. <i>Nano Energy</i> , <b>2017</b> , 39, 151-161	17.1	91
276	Guidelines for Exfoliation, Characterization and Processing of Layered Materials Produced by Liquid Exfoliation. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 243-255	9.6	282
275	An investigation of the energy storage properties of a 2D HfMoO <sub>3</sub> -SWCNTs composite films. <i>2D Materials</i> , <b>2017</b> , 4, 015005	5.9	15
274	Production of monolayer-rich gold-decorated 2HWS <sub>2</sub> nanosheets by defect engineering. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	18
273	Highly flexible and transparent solid-state supercapacitors based on RuO <sub>2</sub> /PEDOT:PSS conductive ultrathin films. <i>Nano Energy</i> , <b>2016</b> , 28, 495-505	17.1	197
272	Liquid Phase Exfoliated MoS <sub>2</sub> Nanosheets Percolated with Carbon Nanotubes for High Volumetric/Areal Capacity Sodium-Ion Batteries. <i>ACS Nano</i> , <b>2016</b> , 10, 8821-8	16.7	221
271	Relating the optical absorption coefficient of nanosheet dispersions to the intrinsic monolayer absorption. <i>Carbon</i> , <b>2016</b> , 107, 733-738	10.4	27
270	Mapping of Low-Frequency Raman Modes in CVD-Grown Transition Metal Dichalcogenides: Layer Number, Stacking Orientation and Resonant Effects. <i>Scientific Reports</i> , <b>2016</b> , 6, 19476	4.9	88
269	Preparation of Liquid-exfoliated Transition Metal Dichalcogenide Nanosheets with Controlled Size and Thickness: A State of the Art Protocol. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	14

268	Production of Two-Dimensional Nanomaterials via Liquid-Based Direct Exfoliation. <i>Small</i> , <b>2016</b> , 12, 272-93	339
267	White Graphene undergoes Peroxidase Degradation. <i>Angewandte Chemie - International Edition</i> , <b>2016</b> , 55, 5506-11	16.4 51
266	Ultrafast Nonlinear Excitation Dynamics of Black Phosphorus Nanosheets from Visible to Mid-Infrared. <i>ACS Nano</i> , <b>2016</b> , 10, 6923-32	16.7 178
265	Production of Ni(OH) <sub>2</sub> nanosheets by liquid phase exfoliation: from optical properties to electrochemical applications. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 11046-11059	13 60
264	A comparison of catabolic pathways induced in primary macrophages by pristine single walled carbon nanotubes and pristine graphene. <i>RSC Advances</i> , <b>2016</b> , 6, 65299-65310	3.7 12
263	Materials science of graphene: a flagship perspective. <i>2D Materials</i> , <b>2016</b> , 3, 010401	5.9 14
262	High stiffness nano-composite fibres from polyvinylalcohol filled with graphene and boron nitride. <i>Carbon</i> , <b>2016</b> , 99, 280-288	10.4 33
261	Thickness Dependence and Percolation Scaling of Hydrogen Production Rate in MoS <sub>2</sub> Nanosheet and Nanosheet-Carbon Nanotube Composite Catalytic Electrodes. <i>ACS Nano</i> , <b>2016</b> , 10, 672-83	16.7 101
260	Understanding the Dispersion and Assembly of Bacterial Cellulose in Organic Solvents. <i>Biomacromolecules</i> , <b>2016</b> , 17, 1845-53	6.9 25
259	Electrochemical Applications of Two-Dimensional Nanosheets: The Effect of Nanosheet Length and Thickness. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 2641-2651	9.6 79
258	Comparison of liquid exfoliated transition metal dichalcogenides reveals MoSe <sub>2</sub> to be the most effective hydrogen evolution catalyst. <i>Nanoscale</i> , <b>2016</b> , 8, 5737-49	7.7 100
257	Spectroscopic metrics allow in situ measurement of mean size and thickness of liquid-exfoliated few-layer graphene nanosheets. <i>Nanoscale</i> , <b>2016</b> , 8, 4311-23	7.7 142
256	Graphene-MoS <sub>2</sub> nanosheet composites as electrodes for dye sensitised solar cells. <i>Materials Research Express</i> , <b>2016</b> , 3, 035007	1.7 10
255	A Commercial Conducting Polymer as Both Binder and Conductive Additive for Silicon Nanoparticle-Based Lithium-Ion Battery Negative Electrodes. <i>ACS Nano</i> , <b>2016</b> , 10, 3702-13	16.7 320
254	Graphene oxide and graphene nanosheet reinforced aluminium matrix composites: Powder synthesis and prepared composite characteristics. <i>Materials and Design</i> , <b>2016</b> , 94, 87-94	8.1 143
253	Production of Highly Monolayer Enriched Dispersions of Liquid-Exfoliated Nanosheets by Liquid Cascade Centrifugation. <i>ACS Nano</i> , <b>2016</b> , 10, 1589-601	16.7 271
252	Size-dependent saturable absorption and mode-locking of dispersed black phosphorus nanosheets. <i>Optical Materials Express</i> , <b>2016</b> , 6, 3159	2.6 33
251	2D-Crystal-Based Functional Inks. <i>Advanced Materials</i> , <b>2016</b> , 28, 6136-66	24 315



250	Photoluminescence from Liquid-Exfoliated WS <sub>2</sub> Monomers in Poly(Vinyl Alcohol) Polymer Composites. <i>Advanced Functional Materials</i> , <b>2016</b> , 26, 1028-1039	15.6	62
249	White Graphene undergoes Peroxidase Degradation. <i>Angewandte Chemie</i> , <b>2016</b> , 128, 5596-5601	3.6	14
248	Sensitive electromechanical sensors using viscoelastic graphene-polymer nanocomposites. <i>Science</i> , <b>2016</b> , 354, 1257-1260	33.3	517
247	All-printed capacitors from graphene-BN-graphene nanosheet heterostructures. <i>Applied Physics Letters</i> , <b>2016</b> , 109, 023107	3.4	54
246	Long-chain amine-templated synthesis of gallium sulfide and gallium selenide nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 11698-706	7.7	9
245	Electrical, Mechanical, and Capacity Percolation Leads to High-Performance MoS <sub>2</sub> /Nanotube Composite Lithium Ion Battery Electrodes. <i>ACS Nano</i> , <b>2016</b> , 10, 5980-90	16.7	134
244	Sub-5 nm graphene nanopore fabrication by nitrogen ion etching induced by a low-energy electron beam. <i>Nanotechnology</i> , <b>2016</b> , 27, 195302	3.4	10
243	Revealing the nature of excitons in liquid exfoliated monolayer tungsten disulphide. <i>Nanotechnology</i> , <b>2016</b> , 27, 425701	3.4	10
242	Slow and fast absorption saturation of black phosphorus: experiment and modelling. <i>Nanoscale</i> , <b>2016</b> , 8, 17374-17382	7.7	33
241	Highly Conductive Graphene and Polyelectrolyte Multilayer Thin Films Produced From Aqueous Suspension. <i>Macromolecular Rapid Communications</i> , <b>2016</b> , 37, 1790-1794	4.8	6
240	Differentiating Defect and Basal Plane Contributions to the Surface Energy of Graphite Using Inverse Gas Chromatography. <i>Chemistry of Materials</i> , <b>2016</b> , 28, 6355-6366	9.6	21
239	Functionalization of Liquid-Exfoliated Two-Dimensional 2H-MoS <sub>2</sub> . <i>Angewandte Chemie</i> , <b>2015</b> , 127, 2676-2680	3.68	32
238	Large-Scale Production of Size-Controlled MoS <sub>2</sub> Nanosheets by Shear Exfoliation. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 1129-1139	9.6	310
237	Nanopatterning and Electrical Tuning of MoS <sub>2</sub> Layers with a Subnanometer Helium Ion Beam. <i>Nano Letters</i> , <b>2015</b> , 15, 5307-13	11.5	138
236	Avoiding Resistance Limitations in High-Performance Transparent Supercapacitor Electrodes Based on Large-Area, High-Conductivity PEDOT:PSS Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 16495-506	9.5	109
235	Inkjet printing of silver nanowire networks. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 9254-61	9.5	199
234	Basal-Plane Functionalization of Chemically Exfoliated Molybdenum Disulfide by Diazonium Salts. <i>ACS Nano</i> , <b>2015</b> , 9, 6018-30	16.7	232
233	Preparation of Gallium Sulfide Nanosheets by Liquid Exfoliation and Their Application As Hydrogen Evolution Catalysts. <i>Chemistry of Materials</i> , <b>2015</b> , 27, 3483-3493	9.6	144



232	Tunable nonlinear refractive index of two-dimensional MoS <sub>2</sub> , WS <sub>2</sub> , and MoSe <sub>2</sub> nanosheet dispersions [Invited]. <i>Photonics Research</i> , <b>2015</b> , 3, A51	6	117
231	Liquid exfoliation of solvent-stabilized few-layer black phosphorus for applications beyond electronics. <i>Nature Communications</i> , <b>2015</b> , 6, 8563	17.4	764
230	Large variations in both dark- and photoconductivity in nanosheet networks as nanomaterial is varied from MoS <sub>2</sub> to WTe <sub>2</sub> . <i>Nanoscale</i> , <b>2015</b> , 7, 198-208	7.7	68
229	Science and technology roadmap for graphene, related two-dimensional crystals, and hybrid systems. <i>Nanoscale</i> , <b>2015</b> , 7, 4598-810	7.7	2015
228	Low wavenumber Raman spectroscopy of highly crystalline MoSe <sub>2</sub> grown by chemical vapor deposition. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2385-2389	1.3	21
227	Yielding and flow of highly concentrated, few-layer graphene suspensions. <i>Soft Matter</i> , <b>2015</b> , 11, 3159-64	6.6	13
226	Boron nitride nanosheets as barrier enhancing fillers in melt processed composites. <i>Nanoscale</i> , <b>2015</b> , 7, 4443-50	7.7	45
225	Functionalization of liquid-exfoliated two-dimensional 2H-MoS <sub>2</sub> . <i>Angewandte Chemie - International Edition</i> , <b>2015</b> , 54, 2638-42	16.4	189
224	Transition metal dichalcogenide growth via close proximity precursor supply. <i>Scientific Reports</i> , <b>2014</b> , 4, 7374	4.9	60
223	Enhancing the mechanical properties of BN nanosheet-polymer composites by uniaxial drawing. <i>Nanoscale</i> , <b>2014</b> , 6, 4889-95	7.7	70
222	Scalable production of large quantities of defect-free few-layer graphene by shear exfoliation in liquids. <i>Nature Materials</i> , <b>2014</b> , 13, 624-30	27	1627
221	Relationship between material properties and transparent heater performance for both bulk-like and percolative nanostructured networks. <i>ACS Nano</i> , <b>2014</b> , 8, 4805-14	16.7	109
220	Inkjet deposition of liquid-exfoliated graphene and MoS <sub>2</sub> nanosheets for printed device applications. <i>Journal of Materials Chemistry C</i> , <b>2014</b> , 2, 925-932	7.1	217
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