

# Niall McEvoy

## List of Publications by Year in Descending Order

**Source:** <https://exaly.com/author-pdf/454964/niall-mcevoy-publications-by-year.pdf>

**Version:** 2024-04-26

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

133  
papers

11,151  
citations

48  
h-index

105  
g-index

143  
ext. papers

13,021  
ext. citations

8.7  
avg, IF

6.2  
L-index

#	Paper	IF	Citations
133	Patterning Functionalized Surfaces of 2D Materials by Nanoshaving. <i>Nanomanufacturing and Metrology</i> , <b>2022</b> , 5, 23	3.4	
132	Electrical Conduction and Photoconduction in PtSe <sub>2</sub> Ultrathin Films. <i>Materials Proceedings</i> , <b>2021</b> , 4, 28	0.3	2
131	Large-area growth of MoS <sub>2</sub> at temperatures compatible with integrating back-end-of-line functionality. <i>2D Materials</i> , <b>2021</b> , 8, 025008	5.9	4
130	PtSe <sub>2</sub> phototransistors with negative photoconductivity. <i>Journal of Physics: Conference Series</i> , <b>2021</b> , 1866, 012001	0.3	2
129	Layered PtSe for Sensing, Photonic, and (Opto-)Electronic Applications. <i>Advanced Materials</i> , <b>2021</b> , 33, e2004070	24	22
128	Highly Selective Non-Covalent On-Chip Functionalization of Layered Materials. <i>Advanced Electronic Materials</i> , <b>2021</b> , 7, 2000564	6.4	2
127	Step-By-Step Atomic Insights into Structural Reordering from 2D to 3D MoS <sub>2</sub> . <i>Advanced Functional Materials</i> , <b>2021</b> , 31, 2008395	15.6	4
126	Synthesis and characterisation of thin-film platinum disulfide and platinum sulfide. <i>Nanoscale</i> , <b>2021</b> , 13, 7403-7411	7.7	5
125	Imaging and identification of point defects in PtTe <sub>2</sub> . <i>Npj 2D Materials and Applications</i> , <b>2021</b> , 5,	8.8	10
124	Structural and electrical characterisation of PtS from H <sub>2</sub> S-converted Pt. <i>Applied Materials Today</i> , <b>2021</b> , 25, 101163	6.6	3
123	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
122	Directing the Morphology of Chemical Vapor Deposition-Grown MoS <sub>2</sub> on Sapphire by Crystal Plane Selection. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2020</b> , 217, 2000073	1.6	6
121	Low-temperature synthesis and electrocatalytic application of large-area PtTe thin films. <i>Nanotechnology</i> , <b>2020</b> , 31, 375601	3.4	14
120	Calibration of Nonstationary Gas Sensors Based on Two-Dimensional Materials. <i>ACS Omega</i> , <b>2020</b> , 5, 5959-5963	3.9	7
119	Two-Photon Absorption in Monolayer MXenes. <i>Advanced Optical Materials</i> , <b>2020</b> , 8, 1902021	8.1	26
118	Vanishing influence of the band gap on the charge exchange of slow highly charged ions in freestanding single-layer MoS <sub>2</sub> . <i>Physical Review B</i> , <b>2020</b> , 102,	3.3	8
117	Distribution of shallow NV centers in diamond revealed by photoluminescence spectroscopy and nanomachining. <i>Carbon</i> , <b>2020</b> , 167, 114-121	10.4	3

116	Multiphoton Absorption and Graphitization in Poly(methyl methacrylate)-Coated Aluminum Nanoantenna Arrays. <i>Journal of Physical Chemistry C</i> , <b>2020</b> , 124, 8930-8937	3.8	0
115	Spectroscopic thickness and quality metrics for PtSe <sub>2</sub> layers produced by top-down and bottom-up techniques. <i>2D Materials</i> , <b>2020</b> , 7, 045027	5.9	9
114	Insights into Multilevel Resistive Switching in Monolayer MoS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 6022-6029	9.5	22
113	Organic Electrochemical Transistors (OECTs) Toward Flexible and Wearable Bioelectronics. <i>Molecules</i> , <b>2020</b> , 25,	4.8	11
112	Isotropic conduction and negative photoconduction in ultrathin PtSe <sub>2</sub> films. <i>Applied Physics Letters</i> , <b>2020</b> , 117, 193102	3.4	15
111	Electronic and structural characterisation of polycrystalline platinum disulfide thin films.. <i>RSC Advances</i> , <b>2020</b> , 10, 42001-42007	3.7	6
110	Atomic-Scale Carving of Nanopores into a van der Waals Heterostructure with Slow Highly Charged Ions. <i>ACS Nano</i> , <b>2020</b> , 14, 10536-10543	16.7	10
109	Influence of Gold Nano-Bipyramid Dimensions on Strong Coupling with Excitons of Monolayer MoS. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2020</b> , 12, 46406-46415	9.5	6
108	Synthesis of tungsten ditelluride thin films and highly crystalline nanobelts from pre-deposited reactants. <i>Tungsten</i> , <b>2020</b> , 2, 321-334	4.6	7
107	Quantum confinement-induced semimetal-to-semiconductor evolution in large-area ultra-thin PtSe <sub>2</sub> films grown at 400 °C. <i>Npj 2D Materials and Applications</i> , <b>2019</b> , 3,	8.8	47
106	A WSe vertical field emission transistor. <i>Nanoscale</i> , <b>2019</b> , 11, 1538-1548	7.7	72
105	A Robust, Freestanding MXene-Sulfur Conductive Paper for Long-Lifetime LiB Batteries. <i>Advanced Functional Materials</i> , <b>2019</b> , 29, 1901907	15.6	131
104	High areal capacity battery electrodes enabled by segregated nanotube networks. <i>Nature Energy</i> , <b>2019</b> , 4, 560-567	62.3	153
103	Few-Layer MoS <sub>2</sub> /a-Si:H Heterojunction Pin-Photodiodes for Extended Infrared Detection. <i>ACS Photonics</i> , <b>2019</b> , 6, 1372-1378	6.3	9
102	Additive-free MXene inks and direct printing of micro-supercapacitors. <i>Nature Communications</i> , <b>2019</b> , 10, 1795	17.4	407
101	Dependence of Photocurrent Enhancements in Hybrid Quantum Dot-MoS <sub>2</sub> Devices on Quantum Dot Emission Wavelength. <i>ACS Photonics</i> , <b>2019</b> , 6, 976-984	6.3	6
100	Suppression of the shear Raman mode in defective bilayer MoS <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2019</b> , 125, 064305	2.5	4
99	PtSe <sub>2</sub> grown directly on polymer foil for use as a robust piezoresistive sensor. <i>2D Materials</i> , <b>2019</b> , 6, 045029	5.9	21

98	Nonlinear Optical Signatures of the Transition from Semiconductor to Semimetal in PtSe <sub>2</sub> . <i>Laser and Photonics Reviews</i> , <b>2019</b> , 13, 1900052	8.3	46
97	Nitrogen as a Suitable Replacement for Argon within Methane-Based Hot-Wall Graphene Chemical Vapor Deposition. <i>Physica Status Solidi (B): Basic Research</i> , <b>2019</b> , 256, 1900240	1.3	2
96	Ultrafast Carrier Dynamics and Bandgap Renormalization in Layered PtSe <sub>2</sub> . <i>Small</i> , <b>2019</b> , 15, e1902728	11	35
95	Defect-moderated oxidative etching of MoS <sub>2</sub> . <i>Journal of Applied Physics</i> , <b>2019</b> , 126, 164301	2.5	5
94	Effects of Annealing Temperature and Ambient on Metal/PtSe Contact Alloy Formation. <i>ACS Omega</i> , <b>2019</b> , 4, 17487-17493	3.9	6
93	Surface-State Assisted Carrier Recombination and Optical Nonlinearities in Bulk to 2D Nonlayered PtS. <i>ACS Nano</i> , <b>2019</b> , 13, 13390-13402	16.7	22
92	High capacity silicon anodes enabled by MXene viscous aqueous ink. <i>Nature Communications</i> , <b>2019</b> , 10, 849	17.4	174
91	MoS Memtransistors Fabricated by Localized Helium Ion Beam Irradiation. <i>ACS Nano</i> , <b>2019</b> , 13, 14262-14273	17.3	55
90	Perforating Freestanding Molybdenum Disulfide Monolayers with Highly Charged Ions. <i>Journal of Physical Chemistry Letters</i> , <b>2019</b> , 10, 904-910	6.4	28
89	Exfoliation of 2D materials by high shear mixing. <i>2D Materials</i> , <b>2019</b> , 6, 015008	5.9	43
88	Growth of 1T' MoTe <sub>2</sub> by Thermally Assisted Conversion of Electrodeposited Tellurium Films. <i>ACS Applied Energy Materials</i> , <b>2019</b> , 2, 521-530	6.1	23
87	Wide Spectral Photoresponse of Layered Platinum Diselenide-Based Photodiodes. <i>Nano Letters</i> , <b>2018</b> , 18, 1794-1800	11.5	99
86	Saturation of Two-Photon Absorption in Layered Transition Metal Dichalcogenides: Experiment and Theory. <i>ACS Photonics</i> , <b>2018</b> , 5, 1558-1565	6.3	48
85	Microelectronics: Stamping of Flexible, Coplanar Micro-Supercapacitors Using MXene Inks (Adv. Funct. Mater. 9/2018). <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1870059	15.6	5
84	Electrical devices from top-down structured platinum diselenide films. <i>Npj 2D Materials and Applications</i> , <b>2018</b> , 2,	8.8	50
83	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
82	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
81	Effects of Excitonic Resonance on Second and Third Order Nonlinear Scattering from Few-Layer MoS <sub>2</sub> . <i>ACS Photonics</i> , <b>2018</b> , 5, 1235-1240	6.3	21

80	Stamping of Flexible, Coplanar Micro-Supercapacitors Using MXene Inks. <i>Advanced Functional Materials</i> , <b>2018</b> , 28, 1705506	15.6	322
79	Field-Dependent Electrical and Thermal Transport in Polycrystalline WSe <sub>2</sub> . <i>Advanced Materials Interfaces</i> , <b>2018</b> , 5, 1701161	4.6	9
78	Wafer-Scale Fabrication of Recessed-Channel PtSe <sub>2</sub> MOSFETs With Low Contact Resistance and Improved Gate Control. <i>IEEE Transactions on Electron Devices</i> , <b>2018</b> , 65, 4102-4108	2.9	23
77	Environmental Effects on the Electrical Characteristics of Back-Gated WSe <sub>2</sub> Field-Effect Transistors. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	38
76	Defect sizing, separation, and substrate effects in ion-irradiated monolayer two-dimensional materials. <i>Physical Review B</i> , <b>2018</b> , 98,	3.3	37
75	Optimized single-layer MoS <sub>2</sub> field-effect transistors by non-covalent functionalisation. <i>Nanoscale</i> , <b>2018</b> , 10, 17557-17566	7.7	18
74	Highly Sensitive Electromechanical Piezoresistive Pressure Sensors Based on Large-Area Layered PtSe Films. <i>Nano Letters</i> , <b>2018</b> , 18, 3738-3745	11.5	82
73	In Situ Formed Protective Barrier Enabled by Sulfur@Titanium Carbide (MXene) Ink for Achieving High-Capacity, Long Lifetime Li-S Batteries. <i>Advanced Science</i> , <b>2018</b> , 5, 1800502	13.6	147
72	Rapid high-resolution U <sup>B</sup> LA-Q-ICPMS age mapping of zircon. <i>Journal of Analytical Atomic Spectrometry</i> , <b>2017</b> , 32, 262-276	3.7	14
71	Oxidation Stability of Colloidal Two-Dimensional Titanium Carbides (MXenes). <i>Chemistry of Materials</i> , <b>2017</b> , 29, 4848-4856	9.6	652
70	Grain boundary-mediated nanopores in molybdenum disulfide grown by chemical vapor deposition. <i>Nanoscale</i> , <b>2017</b> , 9, 1591-1598	7.7	28
69	Optical Imaging and Characterization of Graphene and Other 2D Materials Using Quantitative Phase Microscopy. <i>ACS Photonics</i> , <b>2017</b> , 4, 3130-3139	6.3	26
68	Controlling Defect and Dopant Concentrations in Graphene by Remote Plasma Treatments. <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700214	1.3	9
67	Atmospheric pulsed laser deposition and thermal annealing of plasmonic silver nanoparticle films. <i>Nanotechnology</i> , <b>2017</b> , 28, 445601	3.4	9
66	Lithium Titanate/Carbon Nanotubes Composites Processed by Ultrasound Irradiation as Anodes for Lithium Ion Batteries. <i>Scientific Reports</i> , <b>2017</b> , 7, 7614	4.9	12
65	Transparent, Flexible, and Conductive 2D Titanium Carbide (MXene) Films with High Volumetric Capacitance. <i>Advanced Materials</i> , <b>2017</b> , 29, 1702678	24	538
64	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
63	Raman Spectroscopy of Suspended MoS <sub>2</sub> . <i>Physica Status Solidi (B): Basic Research</i> , <b>2017</b> , 254, 1700218	1.3	13

62	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
61	Production of monolayer-rich gold-decorated 2HWS2 nanosheets by defect engineering. <i>Npj 2D Materials and Applications</i> , <b>2017</b> , 1,	8.8	18
60	Dispersion of nonlinear refractive index in layered WS2 and WSe2 semiconductor films induced by two-photon absorption. <i>Optics Letters</i> , <b>2016</b> , 41, 3936-9	3	56
59	A New 2H-2H $\sqrt{3}$ T Cophase in Polycrystalline MoS and MoSe Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2016</b> , 8, 31442-31448	9.5	26
58	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
57	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
56	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
55	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
54	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
53	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
52	Long-chain amine-templated synthesis of gallium sulfide and gallium selenide nanotubes. <i>Nanoscale</i> , <b>2016</b> , 8, 11698-706	7.7	9
51	Raman characterization of platinum diselenide thin films. <i>2D Materials</i> , <b>2016</b> , 3, 021004	5.9	138
50	High-Performance Hybrid Electronic Devices from Layered PtSe Films Grown at Low Temperature. <i>ACS Nano</i> , <b>2016</b> , 10, 9550-9558	16.7	245
49	Investigations of vapour-phase deposited transition metal dichalcogenide films for future electronic applications. <i>Solid-State Electronics</i> , <b>2016</b> , 125, 39-51	1.7	30
48	Direct Observation of Degenerate Two-Photon Absorption and Its Saturation in WS <sub>2</sub> and MoS <sub>2</sub> Monolayer and Few-Layer Films. <i>ACS Nano</i> , <b>2015</b> , 9, 7142-50	16.7	254
47	Basal-Plane Functionalization of Chemically Exfoliated Molybdenum Disulfide by Diazonium Salts. <i>ACS Nano</i> , <b>2015</b> , 9, 6018-30	16.7	232
46	Investigation of 2D transition metal dichalcogenide films for electronic devices <b>2015</b> ,		3
45	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

44	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
43	Optimisation of copper catalyst by the addition of chromium for the chemical vapour deposition growth of monolayer graphene. <i>Carbon</i> , <b>2015</b> , 95, 789-793	10.4	1
42	Large variations in both dark- and photoconductivity in nanosheet networks as nanomaterial is varied from MoS2 to WTe2. <i>Nanoscale</i> , <b>2015</b> , 7, 198-208	7.7	68
41	Investigations of vapor phase deposited transition metal dichalcogenide films for future electronic applications <b>2015</b> ,		1
40	Low wavenumber Raman spectroscopy of highly crystalline MoSe2 grown by chemical vapor deposition. <i>Physica Status Solidi (B): Basic Research</i> , <b>2015</b> , 252, 2385-2389	1.3	21
39	Transition metal dichalcogenide growth via close proximity precursor supply. <i>Scientific Reports</i> , <b>2014</b> , 4, 7374	4.9	60
38	Heterojunction hybrid devices from vapor phase grown MoS2. <i>Scientific Reports</i> , <b>2014</b> , 4, 5458	4.9	65
37	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
36	Controlled synthesis of transition metal dichalcogenide thin films for electronic applications. <i>Applied Surface Science</i> , <b>2014</b> , 297, 139-146	6.7	122
35	Production of Molybdenum Trioxide Nanosheets by Liquid Exfoliation and Their Application in High-Performance Supercapacitors. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1751-1763	9.6	231
34	Plasma assisted synthesis of WS2 for gas sensing applications. <i>Chemical Physics Letters</i> , <b>2014</b> , 615, 6-10	2.5	123
33	Edge and confinement effects allow in situ measurement of size and thickness of liquid-exfoliated nanosheets. <i>Nature Communications</i> , <b>2014</b> , 5, 4576	17.4	350
32	Effect of percolation on the capacitance of supercapacitor electrodes prepared from composites of manganese dioxide nanoplatelets and carbon nanotubes. <i>ACS Nano</i> , <b>2014</b> , 8, 9567-79	16.7	82
31	Molybdenum disulfide/pyrolytic carbon hybrid electrodes for scalable hydrogen evolution. <i>Nanoscale</i> , <b>2014</b> , 6, 8185-91	7.7	45
30	Helium ion microscope generated nitrogen-vacancy centres in type Ib diamond. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 031109	3.4	19
29	Electroanalytical Sensing Properties of Pristine and Functionalized Multilayer Graphene. <i>Chemistry of Materials</i> , <b>2014</b> , 26, 1807-1812	9.6	40
28	Nitrogen-doped reduced graphene oxide electrodes for electrochemical supercapacitors. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 2280-4	3.6	70
27	Investigation of the optical properties of MoS2 thin films using spectroscopic ellipsometry. <i>Applied Physics Letters</i> , <b>2014</b> , 104, 103114	3.4	215

26	Inkjet-defined field-effect transistors from chemical vapour deposited graphene. <i>Carbon</i> , <b>2014</b> , 71, 332-337	17
25	Characterization of graphene-silicon Schottky barrier diodes using impedance spectroscopy. <i>Applied Physics Letters</i> , <b>2013</b> , 103, 193106	3-4 69
24	Nitrogen-doped pyrolytic carbon films as highly electrochemically active electrodes. <i>Physical Chemistry Chemical Physics</i> , <b>2013</b> , 15, 18688-93	3.6 4
23	High-performance sensors based on molybdenum disulfide thin films. <i>Advanced Materials</i> , <b>2013</b> , 25, 6699-702	359
22	Investigation of carbon-silicon schottky diodes and their use as chemical sensors <b>2013</b> ,	4
21	Functionalisation of graphene surfaces with downstream plasma treatments. <i>Carbon</i> , <b>2013</b> , 54, 283-290	10.4 65
20	Chemically modulated graphene diodes. <i>Nano Letters</i> , <b>2013</b> , 13, 2182-8	11.5 132
19	Plasma-assisted simultaneous reduction and nitrogen doping of graphene oxide nanosheets. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 4431	13 168
18	Investigation of the interfaces in Schottky diodes using equivalent circuit models. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2013</b> , 5, 6951-8	9.5 20
17	Remote Plasma-Assisted CVD Growth of Carbon Nanotubes in an Optimised Rapid Thermal Reactor. <i>Chemical Vapor Deposition</i> , <b>2012</b> , 18, 17-21	2
16	Investigation of carbon-silicon Schottky barrier diodes. <i>Physica Status Solidi (B): Basic Research</i> , <b>2012</b> , 249, 2553-2557	1.3 3
15	Percolation scaling in composites of exfoliated MoS <sub>2</sub> filled with nanotubes and graphene. <i>Nanoscale</i> , <b>2012</b> , 4, 6260-4	7.7 71
14	Carbon-silicon Schottky barrier diodes. <i>Small</i> , <b>2012</b> , 8, 1360-4	11 12
13	Simultaneous electrochemical determination of dopamine and paracetamol based on thin pyrolytic carbon films. <i>Analytical Methods</i> , <b>2012</b> , 4, 2048	3.2 74
12	The effect of downstream plasma treatments on graphene surfaces. <i>Carbon</i> , <b>2012</b> , 50, 395-403	10.4 86
11	Synthesis and analysis of thin conducting pyrolytic carbon films. <i>Carbon</i> , <b>2012</b> , 50, 1216-1226	10.4 99
10	CVD growth and processing of graphene for electronic applications. <i>Physica Status Solidi (B): Basic Research</i> , <b>2011</b> , 248, 2604-2608	1.3 23
9	Electrochemical ascorbic acid sensor based on DMF-exfoliated graphene. <i>Journal of Materials Chemistry</i> , <b>2010</b> , 20, 7864	202



8	Gas phase controlled deposition of high quality large-area graphene films. <i>Chemical Communications</i> , <b>2010</b> , 46, 1422-4	5.8	41
7	Thin film pyrolytic carbon electrodes: A new class of carbon electrode for electroanalytical sensing applications. <i>Electrochemistry Communications</i> , <b>2010</b> , 12, 1034-1036	5.1	22
6	Low Temperature Graphene Growth. <i>ECS Transactions</i> , <b>2009</b> , 19, 175-181	1	7
5	Growth of carbon nanotubes on Si substrate using Fe catalyst produced by pulsed laser deposition. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2008</b> , 8, 5748-52	1.3	
4	Pulsed laser deposition of nanoparticle films of Au. <i>Applied Surface Science</i> , <b>2007</b> , 254, 1303-1306	6.7	39
3	Feasibility of graphene/polymer composite membranes for forward osmosis applications. <i>Materials Advances</i> ,	3.3	1
2	Coexistence of Negative and Positive Photoconductivity in Few-Layer PtSe <sub>2</sub> Field-Effect Transistors. <i>Advanced Functional Materials</i> , 2105722	15.6	14
1	Exciton-Like and Mid-Gap Absorption Dynamics of PtS in Resonant and Transparent Regions. <i>Laser and Photonics Reviews</i> , 2100654	8.3	