

# Michael S Fuhrer

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/566310/publications.pdf>

Version: 2024-02-01

194  
papers

24,565  
citations

15466

65  
h-index

6818

155  
g-index

197  
all docs

197  
docs citations

197  
times ranked

26451  
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrinsic and extrinsic performance limits of graphene devices on SiO <sub>2</sub> . Nature Nanotechnology, 2008, 3, 206-209.	15.6	2,730
2	Atomic Structure of Graphene on SiO <sub>2</sub> . Nano Letters, 2007, 7, 1643-1648.	4.5	1,392
3	Extraordinary Mobility in Semiconducting Carbon Nanotubes. Nano Letters, 2004, 4, 35-39.	4.5	1,368
4	Charged-impurity scattering in graphene. Nature Physics, 2008, 4, 377-381.	6.5	1,318
5	Crossed Nanotube Junctions. Science, 2000, 288, 494-497.	6.0	1,135
6	Rotational actuators based on carbon nanotubes. Nature, 2003, 424, 408-410.	13.7	1,098
7	Single-walled carbon nanotube electronics. IEEE Nanotechnology Magazine, 2002, 1, 78-85.	1.1	1,023
8	High mobility ambipolar MoS <sub>2</sub> field-effect transistors: Substrate and dielectric effects. Applied Physics Letters, 2013, 102, .	1.5	669
9	Defect Scattering in Graphene. Physical Review Letters, 2009, 102, 236805.	2.9	566
10	Scanned Probe Microscopy of Electronic Transport in Carbon Nanotubes. Physical Review Letters, 2000, 84, 6082-6085.	2.9	547
11	Realization and electrical characterization of ultrathin crystals of layered transition-metal dichalcogenides. Journal of Applied Physics, 2007, 101, 014507.	1.1	512
12	High-Mobility Nanotube Transistor Memory. Nano Letters, 2002, 2, 755-759.	4.5	483
13	Sensitive room-temperature terahertz detection via the photothermoelectric effect in graphene. Nature Nanotechnology, 2014, 9, 814-819.	15.6	474
14	Measurement of mobility in dual-gated MoS <sub>2</sub> transistors. Nature Nanotechnology, 2013, 8, 146-147.	15.6	443
15	Dual-gated bilayer graphene hot-electron bolometer. Nature Nanotechnology, 2012, 7, 472-478.	15.6	409
16	Two dimensional and layered transition metal oxides. Applied Materials Today, 2016, 5, 73-89.	2.3	400
17	Tuning two-dimensional nanomaterials by intercalation: materials, properties and applications. Chemical Society Reviews, 2016, 45, 6742-6765.	18.7	363
18	Tunable Kondo effect in graphene with defects. Nature Physics, 2011, 7, 535-538.	6.5	353

#	ARTICLE	IF	CITATIONS
19	Surface conduction of topological Dirac electrons in bulk insulating Bi <sub>2</sub> Se <sub>3</sub> . Nature Physics, 2012, 8, 459-463.	6.5	330
20	Tuning the Effective Fine Structure Constant in Graphene: Opposing Effects of Dielectric Screening on Short- and Long-Range Potential Scattering. Physical Review Letters, 2008, 101, 146805.	2.9	321
21	Creating a Stable Oxide at the Surface of Black Phosphorus. ACS Applied Materials & Interfaces, 2015, 7, 14557-14562.	4.0	318
22	Gate-tunable graphene spin valve. Applied Physics Letters, 2007, 91, .	1.5	259
23	Helicity-Resolved Raman Scattering of MoS <sub>2</sub> , MoSe <sub>2</sub> , WS <sub>2</sub> , and WSe <sub>2</sub> Atomic Layers. Nano Letters, 2015, 15, 2526-2532.	4.5	241
24	Room temperature in-plane ferroelectricity in van der Waals In <sub>2</sub> Se <sub>3</sub> . Science Advances, 2018, 4, eaar7720.	4.7	224
25	1/f noise in carbon nanotubes. Applied Physics Letters, 2000, 76, 894-896.	1.5	213
26	Approaching the limits of transparency and conductivity in graphitic materials through lithium intercalation. Nature Communications, 2014, 5, 4224.	5.8	213
27	Self-Limiting Layer-by-Layer Oxidation of Atomically Thin WSe <sub>2</sub> . Nano Letters, 2015, 15, 2067-2073.	4.5	204
28	Synthesis and Transfer of Large-Area Monolayer WS <sub>2</sub> Crystals: Moving Toward the Recyclable Use of Sapphire Substrates. ACS Nano, 2015, 9, 6178-6187.	7.3	200
29	Graphene: Materially Better Carbon. MRS Bulletin, 2010, 35, 289-295.	1.7	191
30	Anisotropic Etching of Atomically Thin MoS <sub>2</sub> . Journal of Physical Chemistry C, 2013, 117, 25643-25649.	1.5	176
31	Flexible two-dimensional indium tin oxide fabricated using a liquid metal printing technique. Nature Electronics, 2020, 3, 51-58.	13.1	161
32	Electric-field-tuned topological phase transition in ultrathin Na <sub>3</sub> Bi. Nature, 2018, 564, 390-394.	13.7	155
33	Charge transport and inhomogeneity near the minimum conductivity point in graphene. Physical Review B, 2008, 77, .	1.1	153
34	Insulating Behavior in Ultrathin Bismuth Selenide Field Effect Transistors. Nano Letters, 2011, 11, 1925-1927.	4.5	152
35	Correlated Charged Impurity Scattering in Graphene. Physical Review Letters, 2011, 107, 206601.	2.9	142
36	Raman and optical characterization of multilayer turbostratic graphene grown via chemical vapor deposition. Journal of Applied Physics, 2011, 110, .	1.1	138

#	ARTICLE	IF	CITATIONS
37	Properties and applications of high-mobility semiconducting nanotubes. Journal of Physics Condensed Matter, 2004, 16, R553-R580.	0.7	135
38	Tunable Terahertz Hybrid Metal-Graphene Plasmons. Nano Letters, 2015, 15, 7099-7104.	4.5	135
39	High-Quality Uniform Dry Transfer of Graphene to Polymers. Nano Letters, 2012, 12, 102-107.	4.5	128
40	Near-perfect conduction through a ferrocene-based molecular wire. Physical Review B, 2005, 71, .	1.1	121
41	Long range intrinsic ferromagnetism in two dimensional materials and dissipationless future technologies. Applied Physics Reviews, 2018, 5, .	5.5	119
42	High-Fidelity Conformation of Graphene to $\text{SiO}_2$ Topographic Features. Physical Review Letters, 2010, 105, 215504.	2.9	118
43	Coherent topological transport on the surface of $\text{Bi}_2\text{Se}_3$ . Nature Communications, 2013, 4, 2040.	5.8	116
44	Tuning Bulk and Surface Conduction in the Proposed Topological Kondo Insulator $\text{SmB}_6$ . Physical Review Letters, 2015, 114, 096601.	2.9	115
45	Nanotransfer printing of organic and carbon nanotube thin-film transistors on plastic substrates. Applied Physics Letters, 2005, 86, 163101.	1.5	114
46	Rapid imaging of nanotubes on insulating substrates. Applied Physics Letters, 2002, 81, 2454-2456.	1.5	109
47	Four-Point Resistance of Individual Single-Wall Carbon Nanotubes. Physical Review Letters, 2005, 95, 196802.	2.9	108
48	Temperature control of electromigration to form gold nanogap junctions. Applied Physics Letters, 2005, 87, 263101.	1.5	103
49	Density Inhomogeneity Driven Percolation Metal-Insulator Transition and Dimensional Crossover in Graphene Nanoribbons. Physical Review Letters, 2008, 101, 046404.	2.9	98
50	Strain Relaxation of Monolayer $\text{WS}_2$ on Plastic Substrate. Advanced Functional Materials, 2016, 26, 8707-8714.	7.8	97
51	Thermoelectric properties and performance of flexible reduced graphene oxide films up to 3,000 K. Nature Energy, 2018, 3, 148-156.	19.8	96
52	Plasmon-Enhanced Terahertz Photodetection in Graphene. Nano Letters, 2015, 15, 4295-4302.	4.5	94
53	Optical measurement of thermal transport in suspended carbon nanotubes. Applied Physics Letters, 2008, 92, .	1.5	91
54	Acoustically-Driven Trion and Exciton Modulation in Piezoelectric Two-Dimensional $\text{MoS}_2$ . Nano Letters, 2016, 16, 849-855.	4.5	91

#	ARTICLE	IF	CITATIONS
55	Hooge's constant for carbon nanotube field effect transistors. Applied Physics Letters, 2006, 88, 203116.	1.5	89
56	In Situ Investigations of Li <sub>2</sub> MoS <sub>2</sub> with Planar Batteries. Advanced Energy Materials, 2015, 5, 1401742.	10.2	87
57	Charged impurity scattering in bilayer graphene. Physical Review B, 2010, 82, .	1.1	81
58	Electric-Field-Dependent Charge-Carrier Velocity in Semiconducting Carbon Nanotubes. Physical Review Letters, 2005, 95, 236803.	2.9	80
59	Hybridized Hyperbolic Surface Phonon Polaritons at $\pm$ -MoO <sub>3</sub> and Polar Dielectric Interfaces. Nano Letters, 2021, 21, 3112-3119.	4.5	79
60	Electrodes for carbon nanotube devices by focused electron beam induced deposition of gold. Journal of Vacuum Science & Technology an Official Journal of the American Vacuum Society B, Microelectronics Processing and Phenomena, 2005, 23, 3174.	1.6	78
61	Charge Transport in Dual Gated Bilayer Graphene with Corbino Geometry. Nano Letters, 2010, 10, 4521-4525.	4.5	76
62	Direct Observation of 2D Electrostatics and Ohmic Contacts in Template-Grown Graphene/WS <sub>2</sub> Heterostructures. ACS Nano, 2017, 11, 2785-2793.	7.3	74
63	Intrinsic Electron-Phonon Resistivity of $\frac{Bi_2Se_3}{\text{topological regime}}$ . Physical Review Letters, 2012, 109, 166801.	2.9	73
64	High-performance carbon nanotube transistors on SrTiO <sub>3</sub> /Si substrates. Applied Physics Letters, 2004, 84, 1946-1948.	1.5	70
65	Direct Imaging of Charged Impurity Density in Common Graphene Substrates. Nano Letters, 2013, 13, 3576-3580.	4.5	70
66	Observation of topological transition of Fermi surface from a spindle torus to a torus in bulk Rashba spin-split BiTeCl. Physical Review B, 2015, 92, .	1.1	69
67	Oxidation of Monolayer WS <sub>2</sub> in Ambient Is a Photoinduced Process. Nano Letters, 2019, 19, 5205-5215.	4.5	66
68	Layer Number and Stacking Sequence Imaging of Few-Layer Graphene by Transmission Electron Microscopy. Nano Letters, 2012, 12, 4635-4641.	4.5	64
69	Charge Inhomogeneity Determines Oxidative Reactivity of Graphene on Substrates. ACS Nano, 2012, 6, 8335-8341.	7.3	62
70	Stability and Surface Reconstruction of Topological Insulator Bi <sub>2</sub> Se <sub>3</sub> on Exposure to Atmosphere. Journal of Physical Chemistry C, 2014, 118, 20413-20419.	1.5	62
71	Polymeric semiconductor/graphene hybrid field-effect transistors. Organic Electronics, 2011, 12, 1471-1476.	1.4	60
72	Tuning from Thermionic Emission to Ohmic Tunnel Contacts via Doping in Schottky-Barrier Nanotube Transistors. Nano Letters, 2006, 6, 2158-2162.	4.5	57

#	ARTICLE	IF	CITATIONS
73	Ambipolar Surface State Thermoelectric Power of Topological Insulator $\text{Bi}_2\text{Se}_3$ . Nano Letters, 2014, 14, 1701-1706.	4.5	56
74	Optical measurements of the superconducting gap in single-crystal $\text{K}_3\text{C}_{60}$ and $\text{Rb}_3\text{C}_{60}$ . Nature, 1994, 369, 541-543.	13.7	54
75	Universal Conductance Fluctuations in Dirac Materials in the Presence of Long-range Disorder. Physical Review Letters, 2012, 109, 096801.	2.9	53
76	Thin-film barristor: A gate-tunable vertical graphene-pentacene device. Physical Review B, 2013, 88, .	1.1	51
77	Topological Insulator Quantum Dot with Tunable Barriers. Nano Letters, 2012, 12, 469-472.	4.5	50
78	Breakdown of compensation and persistence of nonsaturating magnetoresistance in gated $\text{WTe}_2$ thin flakes. Physical Review B, 2016, 93, .	1.1	49
79	Ultrathin $\text{Ga}_2\text{O}_3$ Glass: A Large-scale Passivation and Protection Material for Monolayer $\text{WS}_2$ . Advanced Materials, 2021, 33, e2005732.	11.1	49
80	Disorder-Induced Magnetoresistance in a Two-Dimensional Electron System. Physical Review Letters, 2014, 113, 047206.	2.9	47
81	Electronic Properties of High-Quality Epitaxial Topological Dirac Semimetal Thin Films. Nano Letters, 2016, 16, 3210-3214.	4.5	47
82	Solution-processed single walled carbon nanotube electrodes for organic thin-film transistors. Organic Electronics, 2009, 10, 1556-1561.	1.4	45
83	Profound Effect of Substrate Hydroxylation and Hydration on Electronic and Optical Properties of Monolayer $\text{MoS}_2$ . Nano Letters, 2015, 15, 3096-3102.	4.5	45
84	Origins of $1/f$ noise in individual semiconducting carbon nanotube field-effect transistors. Physical Review B, 2008, 77, .	4.1	43
85	The positive piezoconductive effect in graphene. Nature Communications, 2015, 6, 8119.	5.8	43
86	Photothermal Response in Dual-Gated Bilayer Graphene. Physical Review Letters, 2013, 110, 247402.	2.9	41
87	Kelvin probe microscopy and electronic transport in graphene on $\text{SiC}(0001)$ in the minimum conductivity regime. Applied Physics Letters, 2011, 98, .	1.5	38
88	Neutral-current Hall effects in disordered graphene. Physical Review B, 2015, 92, .	1.1	38
89	Optimizing transistor performance of percolating carbon nanotube networks. Applied Physics Letters, 2010, 97, 043111.	1.5	37
90	Proposal for a topological plasmon spin rectifier. Applied Physics Letters, 2011, 98, .	1.5	37

#	ARTICLE	IF	CITATIONS
91	Overcoming Boltzmann's Tyranny in a Transistor via the Topological Quantum Field Effect. Nano Letters, 2021, 21, 3155-3161.	4.5	36
92	Recent Progress in Proximity Coupling of Magnetism to Topological Insulators. Advanced Materials, 2021, 33, e2007795.	11.1	36
93	Carbon Isotope Effect in Single-Crystal Rb <sub>3</sub> C <sub>60</sub> . Physical Review Letters, 1999, 83, 404-407.	2.9	35
94	"The Princess and the Pea" at the Nanoscale: Wrinkling and Delamination of Graphene on Nanoparticles. Physical Review X, 2012, 2, .	2.8	35
95	A photolithographic process for fabrication of devices with isolated single-walled carbon nanotubes. Nanotechnology, 2004, 15, 1475-1478.	1.3	33
96	Quantum Anomalous Hall Effect in Magnetic Doped Topological Insulators and Ferromagnetic Spin-Gapless Semiconductors: A Perspective Review. Small, 2020, 16, e1904322.	5.2	33
97	Microwave rectification by a carbon nanotube Schottky diode. Applied Physics Letters, 2008, 93, .	1.5	32
98	Crossover from 2D Ferromagnetic Insulator to Wide Band Gap Quantum Anomalous Hall Insulator in Ultrathin MnBi <sub>2</sub> Te <sub>4</sub> . ACS Nano, 2021, 15, 13444-13452.	7.3	31
99	Investigation of the absorption edge of C <sub>60</sub> fullerite. Physical Review B, 1995, 52, R5550-R5553.	1.1	29
100	Facile fabrication of suspended as-grown carbon nanotube devices. Applied Physics Letters, 2008, 93, 113112.	1.5	29
101	Air-Stable Electron Depletion of Bi <sub>2</sub> Se <sub>3</sub> Using Molybdenum Trioxide into the Topological Regime. ACS Nano, 2014, 8, 6400-6406.	7.3	29
102	Observation of Effective Pseudospin Scattering in ZrSiS. Nano Letters, 2017, 17, 7213-7217.	4.5	29
103	Towards spin injection from silicon into topological insulators: Schottky barrier between Si and Bi <sub>2</sub> Se <sub>3</sub> . Applied Physics Letters, 2012, 101, .	1.5	28
104	Reliable Synthesis of Large-Area Monolayer WS <sub>2</sub> Single Crystals, Films, and Heterostructures with Extraordinary Photoluminescence Induced by Water Intercalation. Advanced Optical Materials, 2018, 6, 1701347.	3.6	28
105	Disentangling the effects of doping, strain and disorder in monolayer WS <sub>2</sub> by optical spectroscopy. 2D Materials, 2020, 7, 025008.	2.0	28
106	Freestanding n-Doped Graphene via Intercalation of Calcium and Magnesium into the Buffer Layer of SiC(0001) Interface. Chemistry of Materials, 2020, 32, 6464-6482.	3.2	28
107	Practical aspects of diffractive imaging using an atomic-scale coherent electron probe. Ultramicroscopy, 2016, 169, 107-121.	0.8	27
108	Room-Temperature Single-Photon Emission from Oxidized Tungsten Disulfide Multilayers. Advanced Optical Materials, 2017, 5, 1600939.	3.6	27

#	ARTICLE	IF	CITATIONS
109	Electrical-transport measurements of KC60. <i>Physical Review B</i> , 1995, 52, R8700-R8702.	1.1	26
110	High-Performance Logic and Memory Devices Based on a Dual-Gated MoS <sub>2</sub> Architecture. <i>ACS Applied Electronic Materials</i> , 2020, 2, 111-119.	2.0	26
111	Electronic Band Structure of In-Plane Ferroelectric van der Waals $\text{In}_2\text{Se}_3$ . <i>ACS Applied Electronic Materials</i> , 2020, 2, 213-219.	2.0	26
112	Poly(3-hexylthiophene) thin-film transistors with variable polymer dielectrics for transfer-printed flexible electronics. <i>Journal of Applied Physics</i> , 2008, 104, .	1.1	25
113	Cobalt Polypyridyl Complexes as Transparent Solution-Processable Solid-State Charge Transport Materials. <i>Advanced Energy Materials</i> , 2016, 6, 1600874.	10.2	25
114	Electronic transport properties of Ir-decorated graphene. <i>Scientific Reports</i> , 2015, 5, 15764.	1.6	24
115	Reductive exfoliation of substoichiometric MoS <sub>2</sub> bilayers using hydrazine salts. <i>Nanoscale</i> , 2016, 8, 15252-15261.	2.8	24
116	Structure retrieval with fast electrons using segmented detectors. <i>Physical Review B</i> , 2016, 93, .	1.1	24
117	Molecular Doping the Topological Dirac Semimetal Na <sub>3</sub> Bi across the Charge Neutrality Point with F4-TCNQ. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 16412-16418.	4.0	21
118	Measuring the Complex Optical Conductivity of Graphene by Fabry-Pérot Reflectance Spectroscopy. <i>Scientific Reports</i> , 2016, 6, 34166.	1.6	21
119	Evolution of electronic states in n-type copper oxide superconductor via electric double layer gating. <i>Scientific Reports</i> , 2016, 6, 26642.	1.6	21
120	New Vortex-Matter Size Effect Observed in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ . <i>Physical Review Letters</i> , 2001, 86, 3626-3629.	2.9	20
121	Solid source growth of graphene with Ni-Cu catalysts: towards high quality <i>in situ</i> graphene on silicon. <i>Journal Physics D: Applied Physics</i> , 2017, 50, 095302.	1.3	20
122	Critical Mass in Graphene. <i>Science</i> , 2013, 340, 1413-1414.	6.0	18
123	Thickness and growth-condition dependence of in-situ mobility and carrier density of epitaxial thin-film Bi <sub>2</sub> Se <sub>3</sub> . <i>Applied Physics Letters</i> , 2014, 105, 173506.	1.5	18
124	p-Type Epitaxial Graphene on Cubic Silicon Carbide on Silicon for Integrated Silicon Technologies. <i>ACS Applied Nano Materials</i> , 2020, 3, 830-841.	2.4	18
125	Progress in Epitaxial Thin-Film Na <sub>3</sub> Bi as a Topological Electronic Material. <i>Advanced Materials</i> , 2021, 33, e2005897.	11.1	18
126	Polypyridyl Iron Complex as a Hole-Transporting Material for Formamidinium Lead Bromide Perovskite Solar Cells. <i>ACS Energy Letters</i> , 2017, 2, 1855-1859.	8.8	17



#	ARTICLE	IF	CITATIONS
127	Carrier transport theory for twisted bilayer graphene in the metallic regime. Nature Communications, 2021, 12, 5737.	5.8	17
128	Tunable Ultrafast Thermal Relaxation in Graphene Measured by Continuous-Wave Photomixing. Physical Review Letters, 2016, 117, 257401.	2.9	16
129	Efficient and Tunable Reflection of Phonon Polaritons at Built-In Intercalation Interfaces. Advanced Materials, 2021, 33, e2008070.	11.1	16
130	Transmission line impedance of carbon nanotube thin films for chemical sensing. Applied Physics Letters, 2007, 90, 123510.	1.5	15
131	Single Carbon Nanotube Schottky Diode Microwave Rectifiers. IEEE Transactions on Microwave Theory and Techniques, 2011, 59, 2726-2732.	2.9	15
132	Reply to "Origin of logarithmic resistance correction in graphene". Nature Physics, 2012, 8, 353-353.	6.5	15
133	Carbon impurities on graphene synthesized by chemical vapor deposition on platinum. Journal of Applied Physics, 2014, 116, 044303.	1.1	15
134	Catastrophic degradation of the interface of epitaxial silicon carbide on silicon at high temperatures. Applied Physics Letters, 2016, 109, .	1.5	15
135	Spatial charge inhomogeneity and defect states in topological Dirac semimetal thin films of Na <sub>3</sub> Bi. Science Advances, 2017, 3, eaaa6661.	4.7	15
136	Ribbons piece-by-piece. Nature Materials, 2010, 9, 611-612.	13.3	14
137	Universal Form of Hall Coefficient in K and Rb Doped Single Crystal C <sub>60</sub> . Physical Review Letters, 1995, 74, 1637-1640.	2.9	13
138	Helical Edge Transport in Millimeter-Scale Thin Films of Na <sub>3</sub> Bi. Nano Letters, 2020, 20, 6306-6312.	4.5	13
139	Electrostatic modulation of the electronic properties of Dirac semimetal Na <sub>3</sub> Bi thin films. Physical Review Materials, 2017, 1, .	0.3	13
140	Carbon conductor corrupted. Nature, 2009, 458, 38-39.	13.7	12
141	Magnesium-intercalated graphene on SiC: Highly n-doped air-stable bilayer graphene at extreme displacement fields. Applied Surface Science, 2021, 541, 148612.	3.1	11
142	Nanotubes are High Mobility Semiconductors. AIP Conference Proceedings, 2002, , .	0.3	10
143	Patterned Carbon Nanotube Thin-Film Transistors with Transfer-Print Assembly. Materials Research Society Symposia Proceedings, 2006, 963, 1.	0.1	9
144	A Versatile Biomolecular Charge-Based Sensor Using Oxide-Gated Carbon Nanotube Transistor Arrays. IEEE Sensors Journal, 2008, 8, 655-660.	2.4	9

#	ARTICLE	IF	CITATIONS
145	Nonlinear optical frequency mixing response of single and multilayer graphene. Optics Letters, 2016, 41, 1122.	1.7	9
146	Electrochemically Prepared Polycrystalline Copper Surface for the Growth of Hexagonal Boron Nitride. Crystal Growth and Design, 2017, 17, 1669-1678.	1.4	9
147	Temperature-dependent $n$ transition in a three-dimensional Dirac semimetal $\text{Na}_3\text{Bi}$ thin film. Physical Review B, 2017, 96, .	1.1	9
148	Bulk transport paths through defects in floating zone and Al flux grown $\text{SmB}_6$ Physical Review Materials, 2021, 5, .	0.9	9
149	Luttinger Liquid Behavior in Metallic Carbon Nanotubes. Lecture Notes in Physics, 2001, , 125-146.	0.3	8
150	Transfer printing as a method for fabricating hybrid devices on flexible substrates. , 2007, 6658, 141.		8
151	Characterization of the electrical contact between a conductive atomic force microscope cantilever and a carbon nanotube. Journal of Applied Physics, 2011, 110, 054305.	1.1	8
152	Selective control of surface spin current in topological pyrite-type $\text{OsX}_2$ ( $X = \text{Se, Te}$ ) crystals. Npj Quantum Materials, 2019, 4, .	1.8	8
153	Frequency-dependent complex conductivity of an organic thin-film transistor. Applied Physics Letters, 2009, 94, 232103.	1.5	7
154	Journal club. Nature, 2009, 459, 1037-1037.	13.7	7
155	Pulsed Near-IR Photoresponse in a Bi-metal Contacted Graphene Photodetector. Scientific Reports, 2015, 5, 14803.	1.6	7
156	Importance of interactions for the band structure of the topological Dirac semimetal $\text{Na}_3\text{Bi}$ . Physical Review B, 2020, 102, .	1.1	7
157	Quantum Transport in Air-Stable $\text{Na}_3\text{Bi}$ Thin Films. ACS Applied Materials & Interfaces, 2020, 12, 35542-35546.	4.0	7
158	Dirac-point photocurrents due to the photothermoelectric effect in non-uniform graphene devices. Nature Nanotechnology, 2020, 15, 241-243.	15.6	7
159	Atomically Thin Superconductors. Small, 2021, 17, 1904788.	5.2	7
160	Multidimensional analysis of excitonic spectra of monolayers of tungsten disulphide: toward computer-aided identification of structural and environmental perturbations of 2D materials. Machine Learning: Science and Technology, 2021, 2, 025021.	2.4	7
161	Optimizing topological switching in confined 2D-Xene nanoribbons via finite-size effects. Applied Physics Reviews, 2022, 9, .	5.5	7
162	Ballistic transport in semiconducting carbon nanotubes. AIP Conference Proceedings, 2001, , .	0.3	6

#	ARTICLE	IF	CITATIONS
163	Current-carrying capacity of semiconducting carbon nanotubes. <i>Physica Status Solidi (B): Basic Research</i> , 2006, 243, 3403-3407.	0.7	6
164	Potential Steps at C60/TiO <sub>2</sub> /Ag(111) Interfaces: Ultrahigh-Vacuum Noncontact Scanning Probe Metrology. <i>Nano Letters</i> , 2012, 12, 2859-2864.	4.5	6
165	Increasing the Rate of Magnesium Intercalation Underneath Epitaxial Graphene on 6H-SiC(0001). <i>Advanced Materials Interfaces</i> , 2021, 8, 2101598.	1.9	6
166	Normal-state transport properties of fullerene superconductors. <i>Journal of Superconductivity and Novel Magnetism</i> , 1994, 7, 639-642.	0.5	5
167	Formation of a Stable Surface Oxide in MnBi <sub>2</sub> Te <sub>4</sub> Thin Films. <i>ACS Applied Materials &amp; Interfaces</i> , 2022, 14, 6102-6108.	4.0	5
168	Phase Modulation of Self-Gating in Ionic Liquid-Functionalized InSe Field-Effect Transistors. <i>Nano Letters</i> , 2022, 22, 2270-2276.	4.5	5
169	Defects, band bending and ionization rings in MoS <sub>2</sub> . <i>Journal of Physics Condensed Matter</i> , 2022, 34, 174002.	0.7	3
170	High-Mobility Semiconducting Nanotubes. <i>AIP Conference Proceedings</i> , 2003, , .	0.3	2
171	In situ monitoring of resistivity and carrier concentration during molecular beam epitaxy of topological insulator Bi <sub>2</sub> Se <sub>3</sub> . <i>Proceedings of SPIE</i> , 2013, , .	0.8	2
172	Electrical detection of CF <sub>3</sub> Cl phase transitions on graphene. <i>Applied Physics Letters</i> , 2013, 103, 201606.	1.5	2
173	A simple technique for performing evaporation of quaterthiophene below the melting temperature for vapour phase polymerisation and physical vapour deposition. <i>RSC Advances</i> , 2015, 5, 99806-99811.	1.7	2
174	Response to "Comment on "Catastrophic degradation of the interface of epitaxial silicon carbide on silicon at high temperatures" [Appl. Phys. Lett. 109, 196101 (2016)]. <i>Applied Physics Letters</i> , 2016, 109, 196102.	1.5	2
175	Recent Progress in Proximity Coupling of Magnetism to Topological Insulators ( <i>Adv. Mater.</i> 33/2021). <i>Advanced Materials</i> , 2021, 33, 2170262.	11.1	2
176	Bulk vortex matter in Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> using Corbinol disk contacts. <i>Physical Review B</i> , 2005, 71, .	1.1	1
177	Facilitating Quantitative Analysis of Atomic Scale 4D STEM Datasets. <i>Microscopy and Microanalysis</i> , 2016, 22, 474-475.	0.2	1
178	Unidirectional magnetotransport of linearly dispersing topological edge states. <i>Physical Review B</i> , 2021, 104, .	1.1	1
179	Terahertz detection in 2D materials. , 2018, , .		1
180	Transport and localization in single-walled carbon nanotubes. , 1998, , .		0

#	ARTICLE	IF	CITATIONS
181	Gate-Field-Induced Schottky Barrier Lowering in a Nanotube Field-Effect Transistor. AIP Conference Proceedings, 2004, , .	0.3	0
182	Four-terminal measurements of SWNTs using MWNTs as voltage electrodes. Physica Status Solidi (B): Basic Research, 2006, 243, 3399-3402.	0.7	0
183	Fabrication and characterization of suspended carbon nanotubes. , 2007, , .		0
184	Transparent organic field-effect transistors with carbon nanotube electrodes. , 2007, , .		0
185	Organic and carbon-based electronics printed onto flexible substrates. , 2007, , .		0
186	Carbon Nanotubes and Graphene for High-Frequency Electronics - Invited. ECS Meeting Abstracts, 2009, , .	0.0	0
187	Controlled growth, patterning and placement of carbon nanotube thin films. , 2009, , .		0
188	Scattering mechanisms in graphene. , 2009, , .		0
189	Broadband Responsivity of a Graphene Photodetector. , 2013, , .		0
190	Air-stable doping of Bi <sub>2</sub> Se <sub>3</sub> by MoO <sub>3</sub> into the topological regime. , 2014, , .		0
191	Characterization of Fast Temporal Photoreponse in a Broadband Graphene Photodetector. , 2014, , .		0
192	Characterization of Graphene Photothermoelectric Detector via Two-wave Mixing Technique. , 2015, , .		0
193	Graphene plasmonics for terahertz photonics. , 2016, , .		0
194	Terahertz Plasmon Resonances in Graphene-Filled Subwavelength Metallic Apertures. , 2016, , .		0