Christoph Stampfer

List of Publications by Year
in descending order

219 papers	13,289 citations	29994 54 h-index	23472 111 g-index
223 all docs	223 docs citations	223 times ranked	14748 citing authors

#	Article	IF	Citations
1	Spatially Resolved Raman Spectroscopy of Single- and Few-Layer Graphene. Nano Letters, 2007, 7, 238-242.	4.5	2,363
2	Ultrahigh-mobility graphene devices from chemical vapor deposition on reusable copper. Science Advances, 2015, 1, e1500222.	4.7	635
3	Energy Gaps in Etched Graphene Nanoribbons. Physical Review Letters, 2009, 102, 056403.	2.9	383
4	Tunable Graphene Single Electron Transistor. Nano Letters, 2008, 8, 2378-2383.	4.5	352
5	Raman spectroscopy as probe of nanometre-scale strain variations in graphene. Nature Communications, 2015, 6, 8429.	5.8	341
6	Fabrication of Single-Walled Carbon-Nanotube-Based Pressure Sensors. Nano Letters, 2006, 6, 233-237.	4.5	335
7	Production and processing of graphene and related materials. 2D Materials, 2020, 7, 022001.	2.0	333
8	Nano-Electromechanical Displacement Sensing Based on Single-Walled Carbon Nanotubes. Nano Letters, 2006, 6, 1449-1453.	4.5	288
9	Franckâ€"Condon blockade in suspended carbon nanotube quantum dots. Nature Physics, 2009, 5, 327-331.	6.5	267
10	Tunable Coulomb blockade in nanostructured graphene. Applied Physics Letters, 2008, 92, .	1.5	248
11	Graphene spintronics: the European Flagship perspective. 2D Materials, 2015, 2, 030202.	2.0	243
12	Ballistic Transport Exceeding 28 Î¼m in CVD Grown Graphene. Nano Letters, 2016, 16, 1387-1391.	4.5	240
13	Nano electromechanical sensors based on carbon nanotubes. Sensors and Actuators A: Physical, 2007, 136, 51-61.	2.0	238
14	Spin Lifetimes Exceeding 12 ns in Graphene Nonlocal Spin Valve Devices. Nano Letters, 2016, 16, 3533-3539.	4.5	214
15	Raman imaging of doping domains in graphene on SiO2. Applied Physics Letters, 2007, 91, .	1.5	201
16	Selective Chemical Modification of Graphene Surfaces: Distinction Between Singleâ€•and Bilayer Graphene. Small, 2010, 6, 1125-1130.	5.2	176
17	Advanced tools for smartphone-based experiments: phyphox. Physics Education, 2018, 53, 045009.	0.3	175
18	2D materials for future heterogeneous electronics. Nature Communications, 2022, 13, 1392.	5.8	174

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19	Graphene quantum dots: Beyond a Dirac billiard. Physical Review B, 2009, 79, .	1.1	170
20	Variations in the work function of doped single- and few-layer graphene assessed by Kelvin probe force microscopy and density functional theory. Physical Review B, 2011, 83, .	1.1	170
21	The mechanical properties of atomic layer deposited alumina for use in micro- and nano-electromechanical systems. Sensors and Actuators A: Physical, 2006, 130-131, 419-429.	2.0	169
22	Nanosecond Spin Lifetimes in Single- and Few-Layer Grapheneâ€"hBN Heterostructures at Room Temperature. Nano Letters, 2014, 14, 6050-6055.	4.5	149
23	Observation of excited states in a graphene quantum dot. Applied Physics Letters, 2009, 94, .	1.5	148
24	Transport through graphene quantum dots. Reports on Progress in Physics, 2012, 75, 126502.	8.1	143
25	Transport gap in side-gated graphene constrictions. Physical Review B, 2009, 79, .	1.1	139
26	Quantum capacitance and density of states of graphene. Applied Physics Letters, 2010, 96, .	1.5	131
27	Out-of-plane heat transfer in van der Waals stacks through electronâ€"hyperbolic phonon coupling. Nature Nanotechnology, 2018, 13, 41-46.	15.6	128
28	Ultra-sensitive Hall sensors based on graphene encapsulated in hexagonal boron nitride. Applied Physics Letters, 2015, 106, .	1.5	127
29	Electron-Hole Crossover in Graphene Quantum Dots. Physical Review Letters, 2009, 103, 046810.	2.9	125
30	Raman imaging of graphene. Solid State Communications, 2007, 143, 44-46.	0.9	124
31	Spin States in Graphene Quantum Dots. Physical Review Letters, 2010, 105, 116801.	2.9	119
32	Graphene single-electron transistors. Materials Today, 2010, 13, 44-50.	8.3	116
33	Charge detection in graphene quantum dots. Applied Physics Letters, 2008, 93, 212102.	1.5	111
34	Random Strain Fluctuations as Dominant Disorder Source for High-Quality On-Substrate Graphene Devices. Physical Review X, 2014, 4, .	2.8	102
35	SWNT growth by CVD on Ferritin-based iron catalyst nanoparticles towards CNT sensors. Sensors and Actuators B: Chemical, 2008, 132, 485-490.	4.0	93
36	Electronic properties of graphene nanostructures. Journal of Physics Condensed Matter, 2011, 23, 243201.	0.7	88

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37	Identifying suitable substrates for high-quality graphene-based heterostructures. 2D Materials, 2017, 4, 025030.	2.0	83
38	Transport through graphene double dots. Applied Physics Letters, 2009, 94, .	1.5	79
39	Imaging localized states in graphene nanostructures. Physical Review B, 2010, 82, .	1.1	77
40	Probing relaxation times in graphene quantum dots. Nature Communications, 2013, 4, 1753.	5.8	77
41	The Aharonovâ€“Bohm effect in a side-gated graphene ring. New Journal of Physics, 2010, 12, 043054.	1.2	76
42	High Quality Factor Graphene-Based Two-Dimensional Heterostructure Mechanical Resonator. Nano Letters, 2017, 17, 5950-5955.	4.5	75
43	A two-dimensional Dirac fermion microscope. Nature Communications, 2017, 8, 15783.	5.8	72
44	Investigation of the Aharonovâ€“Bohm effect in a gated graphene ring. Physica Status Solidi (B): Basic Research, 2009, 246, 2756-2759.	0.7	69
45	Size quantization of Dirac fermions in graphene constrictions. Nature Communications, 2016, 7, 11528.	5.8	69
46	Sensing NO2 with individual suspended single-walled carbon nanotubes. Sensors and Actuators B: Chemical, 2008, 132, 491-497.	4.0	67
47	Observation of excited states in a graphene double quantum dot. Europhysics Letters, 2010, 89, 67005.	0.7	66
48	Metavalent Bonding in Crystalline Solids: How Does It Collapse?. Advanced Materials, 2021, 33, e2102356.	11.1	65
49	Dielectric screening of the Kohn anomaly of graphene on hexagonal boron nitride. Physical Review B, 2013, 88, .	1.1	63
50	Transport in graphene nanostructures. Frontiers of Physics, 2011, 6, 271-293.	2.4	61
51	Raman spectroscopy on etched graphene nanoribbons. Journal of Applied Physics, 2011, 109, .	1.1	60
52	Local gating of a graphene Hall bar by graphene side gates. Physical Review B, 2007, 76, .	1.1	58
53	Tailoring Mechanically Tunable Strain Fields in Graphene. Nano Letters, 2018, 18, 1707-1713.	4.5	58
54	Energy and transport gaps in etched graphene nanoribbons. Semiconductor Science and Technology, 2010, 25, 034002.	1.0	56

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55	Limitations to Carrier Mobility and Phase-Coherent Transport in Bilayer Graphene. Physical Review Letters, 2014, 113, 126801.	2.9	55
56	Fabrication of discrete nanoscaled force sensors based on single-walled carbon nanotubes. IEEE Sensors Journal, 2006, 6, 613-617.	2.4	51
57	Time-resolved charge detection in graphene quantum dots. Physical Review B, 2011, 83, .	1.1	49
58	Gate-Defined Electronâ€“Hole Double Dots in Bilayer Graphene. Nano Letters, 2018, 18, 4785-4790.	4.5	48
59	Single-Electron Double Quantum Dots in Bilayer Graphene. Nano Letters, 2020, 20, 2005-2011.	4.5	44
60	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. ACS Nano, 2021, 15, 11285-11295.	7.3	43
61	High mobility dry-transferred CVD bilayer graphene. Applied Physics Letters, 2017, 110, .	1.5	42
62	Electronâ€“Hole Crossover in Gate-Controlled Bilayer Graphene Quantum Dots. Nano Letters, 2020, 20, 7709-7715.	4.5	42
63	Growth, characterization, and transport properties of ternary (Bi_{1â^'<i>x</i>}Sb_{<i>x</i>})₂Te₃topological insulator layers. Journal of Physics Condensed Matter, 2016, 28, 495501.	0.7	41
64	Transition to Landau levels in graphene quantum dots. Physical Review B, 2010, 81, .	1.1	40
65	Etched graphene quantum dots on hexagonal boron nitride. Applied Physics Letters, 2013, 103, .	1.5	40
66	Intervalley dark trion states with spin lifetimes of 150 ns in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mi>WSe</mml:mi><mml:mn>2</mml:mn></mml:msub></mm Physical Review B, 2017, 95, .	1.1	40
67	Asymmetric Franck-Condon factors in suspended carbon nanotube quantum dots. Physical Review B, 2010, 81, .	1.1	39
68	Electronic Excited States in Bilayer Graphene Double Quantum Dots. Nano Letters, 2011, 11, 3581-3586.	4.5	39
69	Observation of the Spin-Orbit Gap in Bilayer Graphene by One-Dimensional Ballistic Transport. Physical Review Letters, 2020, 124, 177701.	2.9	39
70	Disorder induced Coulomb gaps in graphene constrictions with different aspect ratios. Applied Physics Letters, 2011, 98, 032109.	1.5	36
71	Detecting Ultrasound Vibrations with Graphene Resonators. Nano Letters, 2018, 18, 5132-5137.	4.5	36
72	Electrothermal effects at the microscale and their consequences on system design. Journal of Micromechanics and Microengineering, 2006, 16, 1633-1638.	1.5	35

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73	Suppression of contact-induced spin dephasing in graphene/MgO/Co spin-valve devices by successive oxygen treatments. Physical Review B, 2014, 90, .	1.1	35
74	Uniformity of the pseudomagnetic field in strained graphene. Physical Review B, 2015, 92, .	1.1	35
75	Graphene Field-Effect Transistors With High Extrinsic <inline-formula> <tex-math notation="LaTeX">${f}_{T}$</tex-math> </inline-formula> and <inline-formula> <tex-math notation="LaTeX">${f}_{mathrm{max}}$</tex-math> </inline-formula>. IEEE Electron Device Letters, 2019, 40, 131-134.	2.2	35
76	Readout of carbon nanotube vibrations based on spin-phonon coupling. Applied Physics Letters, 2012, 100, .	1.5	34
77	Graphene quantum dots in perpendicular magnetic fields. Physica Status Solidi (B): Basic Research, 2009, 246, 2553-2557.	0.7	33
78	CO₂ Hydrogenation to Higher Alcohols over K-Promoted Bimetallic Feâ€“In Catalysts on a Ceâ€“ZrO₂ Support. ACS Sustainable Chemistry and Engineering, 2021, 9, 6235-6249.	3.2	32
79	Process integration of carbon nanotubes into microelectromechanical systems. Sensors and Actuators A: Physical, 2006, 130-131, 588-594.	2.0	31
80	Imaging Dirac fermions flow through a circular Veselago lens. Physical Review B, 2019, 100, .	1.1	31
81	Large-area MoS 2 deposition via MOVPE. Journal of Crystal Growth, 2017, 464, 100-104.	0.7	30
82	Synthesis of individual single-walled carbon nanotube bridges controlled by support micromachining. Journal of Micromechanics and Microengineering, 2007, 17, 603-608.	1.5	29
83	Charge detection in a bilayer graphene quantum dot. Physica Status Solidi (B): Basic Research, 2011, 248, 2684-2687.	0.7	29
84	Spin-valley coupling in single-electron bilayer graphene quantum dots. Nature Communications, 2021, 12, 5250.	5.8	29
85	Contact-induced charge contributions to non-local spin transport measurements in Co/MgO/graphene devices. 2D Materials, 2015, 2, 024001.	2.0	28
86	A lab in the pocket. Nature Reviews Materials, 2020, 5, 169-170.	23.3	28
87	Quantum capacitance and density of states of graphene. Physica Scripta, 2012, T146, 014009.	1.2	27
88	Spin States Protected from Intrinsic Electronâ€“Phonon Coupling Reaching 100 ns Lifetime at Room Temperature in MoSe2. Nano Letters, 2019, 19, 4083-4090.	4.5	27
89	Unveiling Valley Lifetimes of Free Charge Carriers in Monolayer WSe₂. Nano Letters, 2020, 20, 3147-3154.	4.5	27
90	Direct wiring of carbon nanotubes for integration in nanoelectromechanical systems. Journal of Vacuum Science & Technology B, 2006, 24, 3144.	1.3	26

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91	Raman mapping of a single-layer to double-layer graphene transition. European Physical Journal: Special Topics, 2007, 148, 171-176.	1.2	26
92	Low B Field Magneto-Phonon Resonances in Single-Layer and Bilayer Graphene. Nano Letters, 2015, 15, 1547-1552.	4.5	26
93	Enhanced C3+ alcohol synthesis from syngas using KCoMoSx catalysts: effect of the Co-Mo ratio on catalyst performance. Applied Catalysis B: Environmental, 2020, 272, 118950.	10.8	26
94	Thermography on a suspended microbridge using confocal Raman scattering. Applied Physics Letters, 2006, 88, 191901.	1.5	23
95	Raman intensity mapping of single-walled carbon nanotubes. Physical Review B, 2007, 75, .	1.1	23
96	Coulomb oscillations in three-layer graphene nanostructures. New Journal of Physics, 2008, 10, 125029.	1.2	23
97	Local transport measurements on epitaxial graphene. Applied Physics Letters, 2013, 103, .	1.5	23
98	Graphene-based charge sensors. Nanotechnology, 2013, 24, 444001.	1.3	23
99	Excellent electronic transport in heterostructures of graphene and monoisotopic boron-nitride grown at atmospheric pressure. 2D Materials, 2020, 7, 031009.	2.0	23
100	Fractional quantum Hall effect in CVD-grown graphene. 2D Materials, 2020, 7, 041007.	2.0	22
101	Piezoresponse force microscopy on doubly clamped KNbO3 nanowires. Applied Physics Letters, 2008, 93, .	1.5	21
102	Encapsulated grapheneâ€based Hall sensors on foil with increased sensitivity. Physica Status Solidi (B): Basic Research, 2016, 253, 2316-2320.	0.7	21
103	Simple Time-of-Flight Measurement of the Speed of Sound Using Smartphones. Physics Teacher, 2019, 57, 112-113.	0.2	21
104	Semiclassical theory for transmission through open billiards: Convergence towards quantum transport. Physical Review E, 2003, 67, 016206.	0.8	20
105	Spatial Control of Laser-Induced Doping Profiles in Graphene on Hexagonal Boron Nitride. ACS Applied Materials & Interfaces, 2016, 8, 9377-9383.	4.0	20
106	Amorphous carbon contamination monitoring and process optimization for single-walled carbon nanotube integration. Nanotechnology, 2007, 18, 075603.	1.3	19
107	Gauge Factor Tuning, Long-Term Stability, and Miniaturization of Nanoelectromechanical Carbon-Nanotube Sensors. IEEE Transactions on Electron Devices, 2011, 58, 4053-4060.	1.6	19
108	Impact of Many-Body Effects on Landau Levels in Graphene. Physical Review Letters, 2018, 120, 187701.	2.9	18

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109	The relevance of electrostatics for scanning-gate microscopy. New Journal of Physics, 2011, 13, 053013.	1.2	17
110	Dry-transferred CVD graphene for inverted spin valve devices. Applied Physics Letters, 2017, 111, .	1.5	17
111	Aharonov-Bohm oscillations and magnetic focusing in ballistic graphene rings. Physical Review B, 2017, 96, .	1.1	17
112	Quantum transport through MoS₂ constrictions defined by photodoping. Journal of Physics Condensed Matter, 2018, 30, 205001.	0.7	17
113	Ultra-long wavelength Dirac plasmons in graphene capacitors. JPhys Materials, 2018, 1, 01LT02.	1.8	17
114	Tunable s-SNOM for Nanoscale Infrared Optical Measurement of Electronic Properties of Bilayer Graphene. ACS Photonics, 2021, 8, 418-423.	3.2	17
115	Transport through a strongly coupled graphene quantum dot in perpendicular magnetic field. Nanoscale Research Letters, 2011, 6, 253.	3.1	16
116	Laser induced non-thermal deposition of ultrathin graphite. Applied Physics Letters, 2012, 100, .	1.5	16
117	Spin relaxation in a single-electron graphene quantum dot. Nature Communications, 2022, 13, .	5.8	16
118	Fabrication of coupled grapheneâ€“nanotube quantum devices. Nanotechnology, 2013, 24, 035204.	1.3	15
119	Reducing disorder in graphene nanoribbons by chemical edge modification. Applied Physics Letters, 2014, 104, .	1.5	15
120	Tunable mechanical coupling between driven microelectromechanical resonators. Applied Physics Letters, 2016, 109, .	1.5	15
121	Upstream modes and antidots poison graphene quantum Hall effect. Nature Communications, 2021, 12, 4265.	5.8	15
122	Probing Two-Electron Multiplets in Bilayer Graphene Quantum Dots. Physical Review Letters, 2021, 127, 256802.	2.9	15
123	Fabrication of discrete carbon nanotube based nano-scaled force sensors. , 0, , .		14
124	Phase-coherent transport in catalyst-free vapor phase depositedBi2Se3crystals. Physical Review B, 2015, 92, .	1.1	14
125	Switchable Coupling of Vibrations to Two-Electron Carbon-Nanotube Quantum Dot States. Nano Letters, 2015, 15, 4417-4422.	4.5	14
126	The Dependence of the High-Frequency Performance of Graphene Field-Effect Transistors on Channel Transport Properties. IEEE Journal of the Electron Devices Society, 2020, 8, 457-464.	1.2	14

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127	Pulsed-gate spectroscopy of single-electron spin states in bilayer graphene quantum dots. Physical Review B, 2021, 103, .	1.1	14
128	Pseudopath semiclassical approximation to transport through open quantum billiards: Dyson equation for diffractive scattering. Physical Review E, 2005, 72, 036223.	0.8	13
129	Diffractive paths for weak localization in quantum billiards. Physical Review B, 2008, 77, .	1.1	13
130	Negative quantum capacitance in graphene nanoribbons with lateral gates. Physical Review B, 2014, 89, .	1.1	13
131	Impact of thermal annealing on graphene devices encapsulated in hexagonal boron nitride. Physica Status Solidi (B): Basic Research, 2014, 251, 2545-2550.	0.7	13
132	From Diffusive to Ballistic Transport in Etched Graphene Constrictions and Nanoribbons. Annalen Der Physik, 2017, 529, 1700082.	0.9	13
133	Proximity-induced spin-orbit coupling in graphene/ <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:msub><mml:mi>Bi</mml:mi><mml:mrow><mml:mn>1.5</m heterostructures. Physical Review B, 2018, 98, .	1.1	13
134	Piezoresistance of Single-Walled Carbon Nanotubes. , 2007, , .		11
135	Transport through open quantum dots: Making semiclassics quantitative. Physical Review B, 2010, 81, .	1.1	11
136	Buried triple-gate structures for advanced field-effect transistor devices. Microelectronic Engineering, 2014, 119, 95-99.	1.1	11
137	Line shape of the Raman 2D peak of graphene in van der Waals heterostructures. Physica Status Solidi (B): Basic Research, 2016, 253, 2326-2330.	0.7	11
138	Mesoporous manganese phthalocyanine-based materials for electrochemical water oxidation <i>via</i> tailored templating. Catalysis Science and Technology, 2018, 8, 1517-1521.	2.1	11
139	Fabrication of comb-drive actuators for straining nanostructured suspended graphene. Nanotechnology, 2018, 29, 375301.	1.3	11
140	Dispersive sensing of charge states in a bilayer graphene quantum dot. Applied Physics Letters, 2021, 118, .	1.5	11
141	Etched graphene single electron transistors on hexagonal boron nitride in high magnetic fields. Physica Status Solidi (B): Basic Research, 2013, 250, 2692-2696.	0.7	10
142	Spin and charge transport in graphene-based spin transport devices with Co/MgO spin injection and spin detection electrodes. Synthetic Metals, 2015, 210, 42-55.	2.1	10
143	Use of the Indirect Photoluminescence Peak as an Optical Probe of Interface Defectivity in MoS 2. Advanced Materials Interfaces, 2020, 7, 2000413.	1.9	10
144	Radially polarized light beams from spin-forbidden dark excitons and trions in monolayer WSe₂. Optical Materials Express, 2020, 10, 1273.	1.6	10

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145	Micromachined pressure sensors for electromechanical characterization of carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3537-3541.	0.7	9
146	Flying and Crawling Modes during Surface-Bound Single Wall Carbon Nanotube Growth. Journal of Physical Chemistry C, 2007, 111, 17249-17253.	1.5	9
147	Raman imaging for processing and process monitoring for nanotube devices. Physica Status Solidi (B): Basic Research, 2007, 244, 4341-4345.	0.7	9
148	CNT Based Sensors. Advances in Science and Technology, 0, , .	0.2	9
149	Tunable capacitive interâ€dot coupling in a bilayer graphene double quantum dot. Physica Status Solidi C: Current Topics in Solid State Physics, 2012, 9, 169-174.	0.8	9
150	Electrical Control over Phonon Polarization in Strained Graphene. Nano Letters, 2021, 21, 2898-2904.	4.5	9
151	CNT based nano electro mechanical systems (NEMS). , 2005, , .		8
152	Back action of graphene charge detectors on graphene and carbon nanotube quantum dots. Physica Status Solidi (B): Basic Research, 2015, 252, 2461-2465.	0.7	8
153	Interplay between nanometer-scale strain variations and externally applied strain in graphene. Physical Review B, 2016, 93, .	1.1	8
154	Electrostatic Detection of Shubnikovâ€“de Haas Oscillations in Bilayer Graphene by Coulomb Resonances in Gateâ€Defined Quantum Dots. Physica Status Solidi (B): Basic Research, 2020, 257, 2000333.	0.7	8
155	Metal free-covalent triazine frameworks as oxygen reduction reaction catalysts â€“ structureâ€“electrochemical activity relationship. Catalysis Science and Technology, 2021, 11, 6191-6204.	2.1	8
156	Tunable interdot coupling in few-electron bilayer graphene double quantum dots. Applied Physics Letters, 2021, 118, .	1.5	8
157	How to solve problems in micro- and nanofabrication caused by the emission of electrons and charged metal atoms during e-beam evaporation. Journal Physics D: Applied Physics, 2021, 54, 225304.	1.3	8
158	Tunable coupling of two mechanical resonators by a graphene membrane. 2D Materials, 2021, 8, 035039.	2.0	8
159	Raman imaging of twist angle variations in twisted bilayer graphene at intermediate angles. 2D Materials, 2022, 9, 045009.	2.0	8
160	TRANSPARENCY OF NARROW CONSTRICTIONS IN A GRAPHENE SINGLE ELECTRON TRANSISTOR. International Journal of Modern Physics B, 2009, 23, 2647-2654.	1.0	7
161	Low-frequency noise in individual carbon nanotube field-effect transistors with top, side and back gate configurations: effect of gamma irradiation. Nanotechnology, 2014, 25, 035703.	1.3	7
162	A corner reflector of graphene Dirac fermions as a phonon-scattering sensor. Nature Communications, 2019, 10, 2428.	5.8	7

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163	Optimizing Dirac fermions quasi-confinement by potential smoothness engineering. 2D Materials, 2020, 7, 025037.	2.0	7
164	Effects of Self-Heating on ${f}_{ext{T}}$ and ${f}_{ext{max}}$ Performance of Graphene Field-Effect Transistors. IEEE Transactions on Electron Devices, 2020, 67, 1277-1284.	1.6	7
165	CVD Bilayer Graphene Spin Valves with 26 Î¼m Spin Diffusion Length at Room Temperature. Nano Letters, 2022, 22, 4949-4955.	4.5	7
166	A MEMS Actuator for Integrated Carbon Nanotube Strain Sensing. , 0, , .		6
167	Probing electronic lifetimes and phonon anharmonicities in high-quality chemical vapor deposited graphene by magneto-Raman spectroscopy. Applied Physics Letters, 2015, 107, 233105.	1.5	6
168	Dry transfer of CVD graphene using MoS₂â€based stamps. Physica Status Solidi - Rapid Research Letters, 2017, 11, 1700136.	1.2	6
169	Simulations on the Influence of Spatially Varying Spin Transport Parameters on the Measured Spin Lifetime in Graphene Non-Local Spin Valves. Physica Status Solidi (B): Basic Research, 2017, 254, 1700293.	0.7	6
170	Graphene Field-Effect Transistors for Millimeter Wave Amplifiers. , 2019, , .		6
171	Graphene Whisperitronics: Transducing Whispering Gallery Modes into Electronic Transport. Nano Letters, 2022, 22, 128-134.	4.5	6
172	NO2 Gas Sensors Based on Individual Suspended Single-Walled Carbon Nanotubes. , 2007, , .		5
173	Electron Shuttle Instability for Nano Electromechanical Mass Sensing. Nano Letters, 2007, 7, 2747-2752.	4.5	5
174	Nanosecond spin lifetimes in bottom-up fabricated bilayer graphene spin-valves with atomic layer deposited Al2O3 spin injection and detection barriers. Physica Status Solidi (B): Basic Research, 2015, 252, 2395-2400.	0.7	5
175	Raman Spectroscopy of Lithographically Defined Graphene Nanoribbons â€•Influence of Size and Defects. Annalen Der Physik, 2017, 529, 1700167.	0.9	5
176	Reducing the Impact of Bulk Doping on Transport Properties of Biâ€Based 3D Topological Insulators. Physica Status Solidi (B): Basic Research, 2021, 258, 2000021.	0.7	5
177	A method for enhanced analysis of specific as-grown carbon nanotubes. Physica Status Solidi (B): Basic Research, 2006, 243, 3138-3141.	0.7	4
178	Comment on â€œDynamic range of nanotube- and nanowire-based electromechanical systemsâ€•[Appl. Phys. Lett. 86, 223105 (2005)]. Applied Physics Letters, 2006, 88, 036101.	1.5	4
179	Nanoscale Straining of Individual Carbon Nanotubes by Micromachined Transducers. , 2007, , .		4
180	Insulating State in Lowâ€Disorder Graphene Nanoribbons. Physica Status Solidi (B): Basic Research, 2019, 256, 1900269.	0.7	4

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181	Does carrier velocity saturation help to enhance <i>f</i>_{max} in graphene field-effect transistors?. Nanoscale Advances, 2020, 2, 4179-4186.	2.2	4
182	Raman Imaging and Electronic Properties of Graphene. , 2008, , 171-176.		4
183	Nano electromechanical transducer based on single walled carbon nanotubes. , 0, , .		3
184	Phase-coherent transport in a mesoscopic few-layer graphite wire. Physica E: Low-Dimensional Systems and Nanostructures, 2008, 40, 1851-1854.	1.3	3
185	Low-temperature compatible electrostatic comb-drive actuators with integrated graphene. , 2014, , .		3
186	Raman spectroscopy on mechanically exfoliated pristine graphene ribbons. Physica Status Solidi (B): Basic Research, 2014, 251, 2551-2555.	0.7	3
187	Integrated impedance bridge for absolute capacitance measurements at cryogenic temperatures and finite magnetic fields. Review of Scientific Instruments, 2019, 90, 084706.	0.6	3
188	How Photoinduced Gate Screening and Leakage Currents Dynamically Change the Fermi Level in 2D Materials. Physica Status Solidi - Rapid Research Letters, 2020, 14, 2000298.	1.2	3
189	Charge-Induced Artifacts in Nonlocal Spin-Transport Measurements: How to Prevent Spurious Voltage Signals. Physical Review Applied, 2022, 18, .	1.5	3
190	Low stress atomic layer deposited alumina for nano electro mechanical systems. , 0, , .		2
191	Novel process flow for the integration of carbon nanotubes into mems. , 0, , .		2
192	NANO ELECTRO MECHANICAL SYSTEMS WITH SINGLE WALLED CARBON NANOTUBES AS FUNCTIONAL ELEMENTS. IFAC Postprint Volumes IPPV / International Federation of Automatic Control, 2006, 39, 97-101.	0.4	2
193	SWNT Growth by LPCVD on Ferritin-Based Iron Catalyst Nanoparticles Towards CNT Sensors. , 2007, , .		2
194	Encapsulating graphene by ultraâ€thin alumina for reducing process contaminations. Physica Status Solidi (B): Basic Research, 2012, 249, 2526-2529.	0.7	2
195	Electronic transport in graphene nanostructures on SiO2. Solid State Communications, 2012, 152, 1306-1310.	0.9	2
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