

Christoph Stampfer

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.

204
papers

10,636
citations

49
h-index

100
g-index

222
ext. papers

11,997
ext. citations

6
avg, IF

6.03
L-index

#	Paper	IF	Citations
204	2D materials for future heterogeneous electronics.. <i>Nature Communications</i> , 2022 , 13, 1392	17.4	16
203	Using a Smartphone Pressure Sensor as Pitot Tube Speedometer. <i>Physics Teacher</i> , 2022 , 60, 273-275	0.4	
202	Visualisierung von Messdaten eigener Sensormodule mit phyphox. <i>Physik in Unserer Zeit</i> , 2022 , 53, 151-152		
201	Probing Two-Electron Multiplets in Bilayer Graphene Quantum Dots.. <i>Physical Review Letters</i> , 2021 , 127, 256802	7.4	3
200	Dispersive sensing of charge states in a bilayer graphene quantum dot. <i>Applied Physics Letters</i> , 2021 , 118, 093104	3.4	2
199	How to solve problems in micro- and nanofabrication caused by the emission of electrons and charged metal atoms during e-beam evaporation. <i>Journal Physics D: Applied Physics</i> , 2021 , 54, 225304	3	4
198	Electrical Control over Phonon Polarization in Strained Graphene. <i>Nano Letters</i> , 2021 , 21, 2898-2904	11.5	1
197	CO ₂ Hydrogenation to Higher Alcohols over K-Promoted Bimetallic Fe ₂ C Catalysts on a CeO ₂ Support. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 6235-6249	8.3	5
196	Tunable coupling of two mechanical resonators by a graphene membrane. <i>2D Materials</i> , 2021 , 8, 035039	5.9	2
195	Hot-Carrier Cooling in High-Quality Graphene Is Intrinsically Limited by Optical Phonons. <i>ACS Nano</i> , 2021 ,	16.7	8
194	Upstream modes and antidots poison graphene quantum Hall effect. <i>Nature Communications</i> , 2021 , 12, 4265	17.4	3
193	Reducing the Impact of Bulk Doping on Transport Properties of Bi-Based 3D Topological Insulators. <i>Physica Status Solidi (B): Basic Research</i> , 2021 , 258, 2000021	1.3	2
192	Phosphate-assisted efficient oxygen evolution over finely dispersed cobalt particles supported on graphene. <i>Catalysis Science and Technology</i> , 2021 , 11, 1039-1048	5.5	0
191	Metal free-covalent triazine frameworks as oxygen reduction reaction catalysts: structure-electrochemical activity relationship. <i>Catalysis Science and Technology</i> , 2021 , 11, 6191-6204	5.5	1
190	Pulsed-gate spectroscopy of single-electron spin states in bilayer graphene quantum dots. <i>Physical Review B</i> , 2021 , 103,	3.3	5
189	Tunable interdot coupling in few-electron bilayer graphene double quantum dots. <i>Applied Physics Letters</i> , 2021 , 118, 103101	3.4	4
188	Metavalent Bonding in Crystalline Solids: How Does It Collapse?. <i>Advanced Materials</i> , 2021 , 33, e2102356	6.4	23

187	Spin-valley coupling in single-electron bilayer graphene quantum dots. <i>Nature Communications</i> , 2021 , 12, 5250	17.4	6
186	Tunable s-SNOM for Nanoscale Infrared Optical Measurement of Electronic Properties of Bilayer Graphene. <i>ACS Photonics</i> , 2021 , 8, 418-423	6.3	6
185	Electrostatic Detection of Shubnikov-de Haas Oscillations in Bilayer Graphene by Coulomb Resonances in Gate-Defined Quantum Dots. <i>Physica Status Solidi (B): Basic Research</i> , 2020 , 257, 2000333	1.3	5
184	Observation of the Spin-Orbit Gap in Bilayer Graphene by One-Dimensional Ballistic Transport. <i>Physical Review Letters</i> , 2020 , 124, 177701	7.4	20
183	Unveiling Valley Lifetimes of Free Charge Carriers in Monolayer WSe. <i>Nano Letters</i> , 2020 , 20, 3147-3154	11.5	14
182	Single-Electron Double Quantum Dots in Bilayer Graphene. <i>Nano Letters</i> , 2020 , 20, 2005-2011	11.5	25
181	Optimizing Dirac fermions quasi-confinement by potential smoothness engineering. <i>2D Materials</i> , 2020 , 7, 025037	5.9	3
180	Effects of Self-Heating on f_{T} and f_{max} Performance of Graphene Field-Effect Transistors. <i>IEEE Transactions on Electron Devices</i> , 2020 , 67, 1277-1284	2.9	3
179	Production and processing of graphene and related materials. <i>2D Materials</i> , 2020 , 7, 022001	5.9	179
178	Radially polarized light beams from spin-forbidden dark excitons and trions in monolayer WSe2. <i>Optical Materials Express</i> , 2020 , 10, 1273	2.6	3
177	Fractional quantum Hall effect in CVD-grown graphene. <i>2D Materials</i> , 2020 , 7, 041007	5.9	6
176	Electron-Hole Crossover in Gate-Controlled Bilayer Graphene Quantum Dots. <i>Nano Letters</i> , 2020 , 20, 7709-7715	11.5	17
175	Use of the Indirect Photoluminescence Peak as an Optical Probe of Interface Defectivity in MoS2. <i>Advanced Materials Interfaces</i> , 2020 , 7, 2000413	4.6	4
174	Does carrier velocity saturation help to enhance f_{max} in graphene field-effect transistors?. <i>Nanoscale Advances</i> , 2020 , 2, 4179-4186	5.1	3
173	How Photoinduced Gate Screening and Leakage Currents Dynamically Change the Fermi Level in 2D Materials. <i>Physica Status Solidi - Rapid Research Letters</i> , 2020 , 14, 2000298	2.5	2
172	Enhanced C3+ alcohol synthesis from syngas using KCoMoSx catalysts: effect of the Co-Mo ratio on catalyst performance. <i>Applied Catalysis B: Environmental</i> , 2020 , 272, 118950	21.8	12
171	Excellent electronic transport in heterostructures of graphene and monoisotopic boron-nitride grown at atmospheric pressure. <i>2D Materials</i> , 2020 , 7, 031009	5.9	11
170	The Dependence of the High-Frequency Performance of Graphene Field-Effect Transistors on Channel Transport Properties. <i>IEEE Journal of the Electron Devices Society</i> , 2020 , 8, 457-464	2.3	10

169	Integrated impedance bridge for absolute capacitance measurements at cryogenic temperatures and finite magnetic fields. <i>Review of Scientific Instruments</i> , 2019 , 90, 084706	1.7	2
168	Simple Time-of-Flight Measurement of the Speed of Sound Using Smartphones. <i>Physics Teacher</i> , 2019 , 57, 112-113	0.4	9
167	Spin States Protected from Intrinsic Electron-Phonon Coupling Reaching 100 ns Lifetime at Room Temperature in MoSe. <i>Nano Letters</i> , 2019 , 19, 4083-4090	11.5	20
166	A corner reflector of graphene Dirac fermions as a phonon-scattering sensor. <i>Nature Communications</i> , 2019 , 10, 2428	17.4	6
165	Imaging Dirac fermions flow through a circular Veselago lens. <i>Physical Review B</i> , 2019 , 100,	3.3	13
164	Insulating State in Low-Disorder Graphene Nanoribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2019 , 256, 1900269	1.3	1
163	Graphene Field-Effect Transistors for Millimeter Wave Amplifiers 2019 ,		4
162	Graphene Field-Effect Transistors With High Extrinsic f_T and f_{max} . <i>IEEE Electron Device Letters</i> , 2019 , 40, 131-134	4.4	25
161	Mesoporous manganese phthalocyanine-based materials for electrochemical water oxidation via tailored templating. <i>Catalysis Science and Technology</i> , 2018 , 8, 1517-1521	5.5	9
160	Characterization of Graphene by Confocal Raman Spectroscopy. <i>Springer Series in Surface Sciences</i> , 2018 , 177-194	0.4	1
159	Quantum transport through MoS constrictions defined by photodoping. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 205001	1.8	13
158	Tailoring Mechanically Tunable Strain Fields in Graphene. <i>Nano Letters</i> , 2018 , 18, 1707-1713	11.5	41
157	Impact of Many-Body Effects on Landau Levels in Graphene. <i>Physical Review Letters</i> , 2018 , 120, 187701	7.4	12
156	Out-of-plane heat transfer in van der Waals stacks through electron-hyperbolic phonon coupling. <i>Nature Nanotechnology</i> , 2018 , 13, 41-46	28.7	87
155	Detecting Ultrasound Vibrations with Graphene Resonators. <i>Nano Letters</i> , 2018 , 18, 5132-5137	11.5	22
154	Low-frequency Noise Characterization of Graphene FET THz Detectors 2018 ,		1
153	Proximity-induced spin-orbit coupling in graphene/Bi _{1.5} Sb _{0.5} Te _{1.7} Se _{1.3} heterostructures. <i>Physical Review B</i> , 2018 , 98,	3.3	8
152	Ultra-long wavelength Dirac plasmons in graphene capacitors. <i>JPhys Materials</i> , 2018 , 1, 01LT02	4.2	11

151	Advanced tools for smartphone-based experiments: phyphox. <i>Physics Education</i> , 2018 , 53, 045009	0.8	80
150	Fabrication of comb-drive actuators for straining nanostructured suspended graphene. <i>Nanotechnology</i> , 2018 , 29, 375301	3.4	8
149	Gate-Defined Electron-Hole Double Dots in Bilayer Graphene. <i>Nano Letters</i> , 2018 , 18, 4785-4790	11.5	31
148	Identifying suitable substrates for high-quality graphene-based heterostructures. <i>2D Materials</i> , 2017 , 4, 025030	5.9	60
147	Dry transfer of CVD graphene using MoS2-based stamps. <i>Physica Status Solidi - Rapid Research Letters</i> , 2017 , 11, 1700136	2.5	5
146	A two-dimensional Dirac fermion microscope. <i>Nature Communications</i> , 2017 , 8, 15783	17.4	50
145	Dry-transferred CVD graphene for inverted spin valve devices. <i>Applied Physics Letters</i> , 2017 , 111, 152402	3.4	12
144	Raman Spectroscopy of Lithographically Defined Graphene Nanoribbons - Influence of Size and Defects. <i>Annalen Der Physik</i> , 2017 , 529, 1700167	2.6	4
143	High Quality Factor Graphene-Based Two-Dimensional Heterostructure Mechanical Resonator. <i>Nano Letters</i> , 2017 , 17, 5950-5955	11.5	49
142	Simulations on the Influence of Spatially Varying Spin Transport Parameters on the Measured Spin Lifetime in Graphene Non-Local Spin Valves. <i>Physica Status Solidi (B): Basic Research</i> , 2017 , 254, 1700293	1.3	5
141	From Diffusive to Ballistic Transport in Etched Graphene Constrictions and Nanoribbons. <i>Annalen Der Physik</i> , 2017 , 529, 1700082	2.6	12
140	Aharonov-Bohm oscillations and magnetic focusing in ballistic graphene rings. <i>Physical Review B</i> , 2017 , 96,	3.3	7
139	Intervalley dark trion states with spin lifetimes of 150 ns in WSe2. <i>Physical Review B</i> , 2017 , 95,	3.3	33
138	High mobility dry-transferred CVD bilayer graphene. <i>Applied Physics Letters</i> , 2017 , 110, 263110	3.4	29
137	Large-area MoS2 deposition via MOVPE. <i>Journal of Crystal Growth</i> , 2017 , 464, 100-104	1.6	21
136	Line shape of the Raman 2D peak of graphene in van der Waals heterostructures. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2326-2330	1.3	9
135	Interplay between nanometer-scale strain variations and externally applied strain in graphene. <i>Physical Review B</i> , 2016 , 93,	3.3	8
134	Modeling charge relaxation in graphene quantum dots induced by electron-phonon interaction. <i>Physical Review B</i> , 2016 , 93,	3.3	1

133	Growth, characterization, and transport properties of ternary (Bi Sb)Te topological insulator layers. <i>Journal of Physics Condensed Matter</i> , 2016 , 28, 495501	1.8	30
132	Spin Lifetimes Exceeding 12 ns in Graphene Nonlocal Spin Valve Devices. <i>Nano Letters</i> , 2016 , 16, 3533-9	11.5	165
131	Ballistic Transport Exceeding 28 μm in CVD Grown Graphene. <i>Nano Letters</i> , 2016 , 16, 1387-91	11.5	191
130	Encapsulated graphene-based Hall sensors on foil with increased sensitivity. <i>Physica Status Solidi (B): Basic Research</i> , 2016 , 253, 2316-2320	1.3	13
129	Size quantization of Dirac fermions in graphene constrictions. <i>Nature Communications</i> , 2016 , 7, 11528	17.4	56
128	Tunable mechanical coupling between driven microelectromechanical resonators. <i>Applied Physics Letters</i> , 2016 , 109, 143507	3.4	13
127	Correspondence: On the nature of strong piezoelectricity in graphene on SiO ₂ . <i>Nature Communications</i> , 2016 , 7, 11570	17.4	2
126	Spatial Control of Laser-Induced Doping Profiles in Graphene on Hexagonal Boron Nitride. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 9377-83	9.5	16
125	Graphene Quantum Dots 2016 , 29-65		
124	Ultrahigh-mobility graphene devices from chemical vapor deposition on reusable copper. <i>Science Advances</i> , 2015 , 1, e1500222	14.3	491
123	Spin and charge transport in graphene-based spin transport devices with Co/MgO spin injection and spin detection electrodes. <i>Synthetic Metals</i> , 2015 , 210, 42-55	3.6	9
122	Graphene spintronics: the European Flagship perspective. <i>2D Materials</i> , 2015 , 2, 030202	5.9	198
121	Switchable Coupling of Vibrations to Two-Electron Carbon-Nanotube Quantum Dot States. <i>Nano Letters</i> , 2015 , 15, 4417-22	11.5	12
120	Raman spectroscopy as probe of nanometre-scale strain variations in graphene. <i>Nature Communications</i> , 2015 , 6, 8429	17.4	253
119	Ultra-sensitive Hall sensors based on graphene encapsulated in hexagonal boron nitride. <i>Applied Physics Letters</i> , 2015 , 106, 193501	3.4	113
118	Nanosecond spin lifetimes in bottom-up fabricated bilayer graphene spin-valves with atomic layer deposited AlO spin injection and detection barriers. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2395-2400	1.3	3
117	Uniformity of the pseudomagnetic field in strained graphene. <i>Physical Review B</i> , 2015 , 92,	3.3	30
116	Phase-coherent transport in catalyst-free vapor phase deposited Bi ₂ Se ₃ crystals. <i>Physical Review B</i> , 2015 , 92,	3.3	11

115	Probing electronic lifetimes and phonon anharmonicities in high-quality chemical vapor deposited graphene by magneto-Raman spectroscopy. <i>Applied Physics Letters</i> , 2015 , 107, 233105	3.4	4
114	Back action of graphene charge detectors on graphene and carbon nanotube quantum dots. <i>Physica Status Solidi (B): Basic Research</i> , 2015 , 252, 2461-2465	1.3	6
113	Graphen auf dem Weg zur Anwendung. <i>Physik in Unserer Zeit</i> , 2015 , 46, 269-270	0.1	
112	Contact-induced charge contributions to non-local spin transport measurements in Co/MgO/graphene devices. <i>2D Materials</i> , 2015 , 2, 024001	5.9	25
111	Low B field magneto-phonon resonances in single-layer and bilayer graphene. <i>Nano Letters</i> , 2015 , 15, 1547-52	11.5	24
110	Low-frequency noise in individual carbon nanotube field-effect transistors with top, side and back gate configurations: effect of gamma irradiation. <i>Nanotechnology</i> , 2014 , 25, 035703	3.4	6
109	Low-temperature compatible electrostatic comb-drive actuators with integrated graphene 2014 ,		2
108	Nanosecond spin lifetimes in single- and few-layer graphene-hBN heterostructures at room temperature. <i>Nano Letters</i> , 2014 , 14, 6050-5	11.5	127
107	Limitations to carrier mobility and phase-coherent transport in bilayer graphene. <i>Physical Review Letters</i> , 2014 , 113, 126801	7.4	43
106	Buried triple-gate structures for advanced field-effect transistor devices. <i>Microelectronic Engineering</i> , 2014 , 119, 95-99	2.5	10
105	Raman spectroscopy on mechanically exfoliated pristine graphene ribbons. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2551-2555	1.3	1
104	Impact of thermal annealing on graphene devices encapsulated in hexagonal boron nitride. <i>Physica Status Solidi (B): Basic Research</i> , 2014 , 251, 2545-2550	1.3	12
103	Dynamics of ultrashort pulsed laser radiation induced non-thermal ablation of graphite. <i>Applied Physics A: Materials Science and Processing</i> , 2014 , 117, 1873-1878	2.6	2
102	Random Strain Fluctuations as Dominant Disorder Source for High-Quality On-Substrate Graphene Devices. <i>Physical Review X</i> , 2014 , 4,	9.1	77
101	Suppression of contact-induced spin dephasing in graphene/MgO/Co spin-valve devices by successive oxygen treatments. <i>Physical Review B</i> , 2014 , 90,	3.3	31
100	Reducing disorder in graphene nanoribbons by chemical edge modification. <i>Applied Physics Letters</i> , 2014 , 104, 083105	3.4	14
99	Negative quantum capacitance in graphene nanoribbons with lateral gates. <i>Physical Review B</i> , 2014 , 89,	3.3	13
98	Dielectric screening of the Kohn anomaly of graphene on hexagonal boron nitride. <i>Physical Review B</i> , 2013 , 88,	3.3	50

97	Etched graphene quantum dots on hexagonal boron nitride. <i>Applied Physics Letters</i> , 2013 , 103, 073113	3.4	37
96	Local transport measurements on epitaxial graphene. <i>Applied Physics Letters</i> , 2013 , 103, 111604	3.4	22
95	Fabrication of coupled graphene-nanotube quantum devices. <i>Nanotechnology</i> , 2013 , 24, 035204	3.4	13
94	Probing relaxation times in graphene quantum dots. <i>Nature Communications</i> , 2013 , 4, 1753	17.4	64
93	Graphene-based charge sensors. <i>Nanotechnology</i> , 2013 , 24, 444001	3.4	16
92	Etched graphene single electron transistors on hexagonal boron nitride in high magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2013 , 250, 2692-2696	1.3	8
91	Encapsulating graphene by ultra-thin alumina for reducing process contaminations. <i>Physica Status Solidi (B): Basic Research</i> , 2012 , 249, 2526-2529	1.3	2
90	Electronic transport in graphene nanostructures on SiO ₂ . <i>Solid State Communications</i> , 2012 , 152, 1306-1310	1.3	2
89	Laser induced non-thermal deposition of ultrathin graphite. <i>Applied Physics Letters</i> , 2012 , 100, 151606	3.4	14
88	Transport through graphene quantum dots. <i>Reports on Progress in Physics</i> , 2012 , 75, 126502	14.4	114
87	Tunable capacitive inter-dot coupling in a bilayer graphene double quantum dot. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2012 , 9, 169-174		8
86	Quantum capacitance and density of states of graphene. <i>Physica Scripta</i> , 2012 , T146, 014009	2.6	23
85	Readout of carbon nanotube vibrations based on spin-phonon coupling. <i>Applied Physics Letters</i> , 2012 , 100, 143103	3.4	31
84	Variations in the work function of doped single- and few-layer graphene assessed by Kelvin probe force microscopy and density functional theory. <i>Physical Review B</i> , 2011 , 83,	3.3	152
83	. <i>IEEE Transactions on Electron Devices</i> , 2011 , 58, 4053-4060	2.9	15
82	Raman spectroscopy on etched graphene nanoribbons. <i>Journal of Applied Physics</i> , 2011 , 109, 073710	2.5	59
81	Electronic properties of graphene nanostructures. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 243201	1.8	78
80	Transport in graphene nanostructures. <i>Frontiers of Physics</i> , 2011 , 6, 271-293	3.7	55

79	Transport through a strongly coupled graphene quantum dot in perpendicular magnetic field. <i>Nanoscale Research Letters</i> , 2011 , 6, 253	5	14
78	Charge detection in a bilayer graphene quantum dot. <i>Physica Status Solidi (B): Basic Research</i> , 2011 , 248, 2684-2687	1.3	25
77	Time-resolved charge detection in graphene quantum dots. <i>Physical Review B</i> , 2011 , 83,	3.3	42
76	Electronic excited states in bilayer graphene double quantum dots. <i>Nano Letters</i> , 2011 , 11, 3581-6	11.5	31
75	The relevance of electrostatics for scanning-gate microscopy. <i>New Journal of Physics</i> , 2011 , 13, 053013	2.9	16
74	Disorder induced Coulomb gaps in graphene constrictions with different aspect ratios. <i>Applied Physics Letters</i> , 2011 , 98, 032109	3.4	35
73	The Aharonov-Bohm effect in a side-gated graphene ring. <i>New Journal of Physics</i> , 2010 , 12, 043054	2.9	64
72	Observation of excited states in a graphene double quantum dot. <i>Europhysics Letters</i> , 2010 , 89, 67005	1.6	52
71	Transport through open quantum dots: Making semiclassics quantitative. <i>Physical Review B</i> , 2010 , 81,	3.3	11
70	Transition to Landau levels in graphene quantum dots. <i>Physical Review B</i> , 2010 , 81,	3.3	36
69	Local Franck-Condon factors in suspended carbon nanotube quantum dots. <i>Journal of Physics: Conference Series</i> , 2010 , 248, 012019	0.3	0
68	Energy and transport gaps in etched graphene nanoribbons. <i>Semiconductor Science and Technology</i> , 2010 , 25, 034002	1.8	51
67	Quantum capacitance and density of states of graphene. <i>Applied Physics Letters</i> , 2010 , 96, 152104	3.4	107
66	Spin states in graphene quantum dots. <i>Physical Review Letters</i> , 2010 , 105, 116801	7.4	108
65	Imaging localized states in graphene nanostructures. <i>Physical Review B</i> , 2010 , 82,	3.3	71
64	Asymmetric Franck-Condon factors in suspended carbon nanotube quantum dots. <i>Physical Review B</i> , 2010 , 81,	3.3	37
63	Graphene single-electron transistors. <i>Materials Today</i> , 2010 , 13, 44-50	21.8	99
62	Selective chemical modification of graphene surfaces: distinction between single- and bilayer graphene. <i>Small</i> , 2010 , 6, 1125-30	11	167

61	Electron-hole crossover in graphene quantum dots. <i>Physical Review Letters</i> , 2009 , 103, 046810	7.4	105
60	TRANSPARENCY OF NARROW CONSTRICTIONS IN A GRAPHENE SINGLE ELECTRON TRANSISTOR. <i>International Journal of Modern Physics B</i> , 2009 , 23, 2647-2654	1.1	6
59	Investigation of the Aharonov-Bohm effect in a gated graphene ring. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2756-2759	1.3	48
58	Graphene quantum dots in perpendicular magnetic fields. <i>Physica Status Solidi (B): Basic Research</i> , 2009 , 246, 2553-2557	1.3	32
57	Energy gaps in etched graphene nanoribbons. <i>Physical Review Letters</i> , 2009 , 102, 056403	7.4	343
56	Transport gap in side-gated graphene constrictions. <i>Physical Review B</i> , 2009 , 79,	3.3	133
55	Transport through graphene double dots. <i>Applied Physics Letters</i> , 2009 , 94, 222107	3.4	76
54	Graphene quantum dots: Beyond a Dirac billiard. <i>Physical Review B</i> , 2009 , 79,	3.3	133
53	Observation of excited states in a graphene quantum dot. <i>Applied Physics Letters</i> , 2009 , 94, 012107	3.4	141
52	Franck-Condon blockade in suspended carbon nanotube quantum dots. <i>Nature Physics</i> , 2009 , 5, 327-331	16.2	234
51	Tunable Coulomb blockade in nanostructured graphene. <i>Applied Physics Letters</i> , 2008 , 92, 012102	3.4	222
50	Charge detection in graphene quantum dots. <i>Applied Physics Letters</i> , 2008 , 93, 212102	3.4	99
49	Temperature-dependent properties of an individual memsintegrated single-walled carbon nanotube. <i>Proceedings of the IEEE International Conference on Micro Electro Mechanical Systems (MEMS)</i> , 2008 ,		1
48	CNT Based Sensors. <i>Advances in Science and Technology</i> , 2008 , 54, 343-349	0.1	9
47	Coulomb oscillations in three-layer graphene nanostructures. <i>New Journal of Physics</i> , 2008 , 10, 125029	2.9	20
46	Piezoresponse force microscopy on doubly clamped KNbO ₃ nanowires. <i>Applied Physics Letters</i> , 2008 , 93, 223101	3.4	20
45	Diffraction paths for weak localization in quantum billiards. <i>Physical Review B</i> , 2008 , 77,	3.3	11
44	Sensing NO ₂ with individual suspended single-walled carbon nanotubes. <i>Sensors and Actuators B: Chemical</i> , 2008 , 132, 491-497	8.5	58

43	Phase-coherent transport in a mesoscopic few-layer graphite wire. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2008 , 40, 1851-1854	3	3
42	SWNT growth by CVD on Ferritin-based iron catalyst nanoparticles towards CNT sensors. <i>Sensors and Actuators B: Chemical</i> , 2008 , 132, 485-490	8.5	82
41	Tunable graphene single electron transistor. <i>Nano Letters</i> , 2008 , 8, 2378-83	11.5	312
40	Electromechanical Carbon Nanotube Transducers. <i>Advanced Micro & Nanosystems</i> , 2008 , 43-81		1
39	Raman Imaging and Electronic Properties of Graphene 2008 , 171-176		4
38	Raman imaging of doping domains in graphene on SiO ₂ . <i>Applied Physics Letters</i> , 2007 , 91, 241907	3.4	175
37	Flying and Crawling Modes during Surface-Bound Single Wall Carbon Nanotube Growth. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 17249-17253	3.8	8
36	Electron shuttle instability for nano electromechanical mass sensing. <i>Nano Letters</i> , 2007 , 7, 2747-52	11.5	5
35	Raman imaging of graphene. <i>Solid State Communications</i> , 2007 , 143, 44-46	1.6	109
34	Raman imaging for processing and process monitoring for nanotube devices. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4341-4345	1.3	9
33	Progress in carbon nanotube based nanoelectromechanical systems synthesis. <i>Physica Status Solidi (B): Basic Research</i> , 2007 , 244, 4323-4326	1.3	1
32	Spatially resolved Raman spectroscopy of single- and few-layer graphene. <i>Nano Letters</i> , 2007 , 7, 238-42	11.5	2115
31	Raman mapping of a single-layer to double-layer graphene transition. <i>European Physical Journal: Special Topics</i> , 2007 , 148, 171-176	2.3	22
30	Nano electromechanical sensors based on carbon nanotubes. <i>Sensors and Actuators A: Physical</i> , 2007 , 136, 51-61	3.9	208
29	Amorphous carbon contamination monitoring and process optimization for single-walled carbon nanotube integration. <i>Nanotechnology</i> , 2007 , 18, 075603	3.4	15
28	Nanoscale Straining of Individual Carbon Nanotubes by Micromachined Transducers 2007 ,		2
27	Raman intensity mapping of single-walled carbon nanotubes. <i>Physical Review B</i> , 2007 , 75,	3.3	23
26	NO ₂ Gas Sensors Based on Individual Suspended Single-Walled Carbon Nanotubes 2007 ,		2

25	Local gating of a graphene Hall bar by graphene side gates. <i>Physical Review B</i> , 2007 , 76,	3.3	58
24	Synthesis of individual single-walled carbon nanotube bridges controlled by support micromachining. <i>Journal of Micromechanics and Microengineering</i> , 2007 , 17, 603-608	2	27
23	Piezoresistance of Single-Walled Carbon Nanotubes 2007 ,		8
22	Electrothermal effects at the microscale and their consequences on system design. <i>Journal of Micromechanics and Microengineering</i> , 2006 , 16, 1633-1638	2	26
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