

Johannes Gttinger

List of Publications by Citations

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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.

26

papers

2,109

citations

20

h-index

26

g-index

26

ext. papers

2,327

ext. citations

8.7

avg, IF

4.44

L-index

#	Paper	IF	Citations
26	Tunable graphene single electron transistor. <i>Nano Letters</i> , 2008 , 8, 2378-83	11.5	312
25	Ultrasensitive force detection with a nanotube mechanical resonator. <i>Nature Nanotechnology</i> , 2013 , 8, 493-6	28.7	253
24	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
23	Nanotube mechanical resonators with quality factors of up to 5 million. <i>Nature Nanotechnology</i> , 2014 , 9, 1007-11	28.7	146
22	Transport gap in side-gated graphene constrictions. <i>Physical Review B</i> , 2009 , 79,	3.3	133
21	Transport through graphene quantum dots. <i>Reports on Progress in Physics</i> , 2012 , 75, 126502	14.4	114
20	Coupling graphene mechanical resonators to superconducting microwave cavities. <i>Nano Letters</i> , 2014 , 14, 2854-60	11.5	109
19	Spin states in graphene quantum dots. <i>Physical Review Letters</i> , 2010 , 105, 116801	7.4	108
18	Charge detection in graphene quantum dots. <i>Applied Physics Letters</i> , 2008 , 93, 212102	3.4	99
17	Energy-dependent path of dissipation in nanomechanical resonators. <i>Nature Nanotechnology</i> , 2017 , 12, 631-636	28.7	80
16	Electronic properties of graphene nanostructures. <i>Journal of Physics Condensed Matter</i> , 2011 , 23, 243201.8	1.8	78
15	Transport through graphene double dots. <i>Applied Physics Letters</i> , 2009 , 94, 222107	3.4	76
14	Imaging localized states in graphene nanostructures. <i>Physical Review B</i> , 2010 , 82,	3.3	71
13	Local gating of a graphene Hall bar by graphene side gates. <i>Physical Review B</i> , 2007 , 76,	3.3	58
12	Transport in graphene nanostructures. <i>Frontiers of Physics</i> , 2011 , 6, 271-293	3.7	55
11	Electromechanical control of nitrogen-vacancy defect emission using graphene NEMS. <i>Nature Communications</i> , 2016 , 7, 10218	17.4	46
10	Time-resolved charge detection in graphene quantum dots. <i>Physical Review B</i> , 2011 , 83,	3.3	42

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| 9 | Coherent electron-phonon coupling in tailored quantum systems. <i>Nature Communications</i> , 2011 , 2, 239 | 17.4 | 37 |
| 8 | Transition to Landau levels in graphene quantum dots. <i>Physical Review B</i> , 2010 , 81, | 3.3 | 36 |
| 7 | Interplay of driving and frequency noise in the spectra of vibrational systems. <i>Physical Review Letters</i> , 2014 , 113, 255502 | 7.4 | 34 |
| 6 | Coulomb oscillations in three-layer graphene nanostructures. <i>New Journal of Physics</i> , 2008 , 10, 125029 | 2.9 | 20 |
| 5 | The relevance of electrostatics for scanning-gate microscopy. <i>New Journal of Physics</i> , 2011 , 13, 053013 | 2.9 | 16 |
| 4 | Transport through a strongly coupled graphene quantum dot in perpendicular magnetic field. <i>Nanoscale Research Letters</i> , 2011 , 6, 253 | 5 | 14 |
| 3 | Quantum transport through MoS constrictions defined by photodoping. <i>Journal of Physics Condensed Matter</i> , 2018 , 30, 205001 | 1.8 | 13 |
| 2 | Electron shuttle instability for nano electromechanical mass sensing. <i>Nano Letters</i> , 2007 , 7, 2747-52 | 11.5 | 5 |
| 1 | Electronic transport in graphene nanostructures on SiO ₂ . <i>Solid State Communications</i> , 2012 , 152, 1306-1310 | 11.0 | 2 |