

Johannes GÃ¼ttinger

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,491
citations

331538

21
h-index

552653

26
g-index

26
all docs

26
docs citations

26
times ranked

3172
citing authors

#	ARTICLE	IF	CITATIONS
1	Tunable Graphene Single Electron Transistor. Nano Letters, 2008, 8, 2378-2383.	4.5	352
2	Ultrasensitive force detection with a nanotube mechanical resonator. Nature Nanotechnology, 2013, 8, 493-496.	15.6	327
3	Nanotube mechanical resonators with quality factors of up to 5 million. Nature Nanotechnology, 2014, 9, 1007-1011.	15.6	190
4	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
5	Coupling Graphene Mechanical Resonators to Superconducting Microwave Cavities. Nano Letters, 2014, 14, 2854-2860.	4.5	146
6	Transport through graphene quantum dots. Reports on Progress in Physics, 2012, 75, 126502.	8.1	143
7	Transport gap in side-gated graphene constrictions. Physical Review B, 2009, 79, .	1.1	139
8	Energy-dependent path of dissipation in nanomechanical resonators. Nature Nanotechnology, 2017, 12, 631-636.	15.6	127
9	Spin States in Graphene Quantum Dots. Physical Review Letters, 2010, 105, 116801.	2.9	119
10	Charge detection in graphene quantum dots. Applied Physics Letters, 2008, 93, 212102.	1.5	111
11	Electronic properties of graphene nanostructures. Journal of Physics Condensed Matter, 2011, 23, 243201.	0.7	88
12	Transport through graphene double dots. Applied Physics Letters, 2009, 94, .	1.5	79
13	Imaging localized states in graphene nanostructures. Physical Review B, 2010, 82, .	1.1	77
14	Transport in graphene nanostructures. Frontiers of Physics, 2011, 6, 271-293.	2.4	61
15	Local gating of a graphene Hall bar by graphene side gates. Physical Review B, 2007, 76, .	1.1	58
16	Electromechanical control of nitrogen-vacancy defect emission using graphene NEMS. Nature Communications, 2016, 7, 10218.	5.8	56
17	Time-resolved charge detection in graphene quantum dots. Physical Review B, 2011, 83, .	1.1	49
18	Coherent electronâ€“phonon coupling in tailored quantum systems. Nature Communications, 2011, 2, 239.	5.8	41

#	ARTICLE	IF	CITATIONS
19	Transition to Landau levels in graphene quantum dots. Physical Review B, 2010, 81, .	1.1	40
20	Interplay of Driving and Frequency Noise in the Spectra of Vibrational Systems. Physical Review Letters, 2014, 113, 255502.	2.9	38
21	Coulomb oscillations in three-layer graphene nanostructures. New Journal of Physics, 2008, 10, 125029.	1.2	23
22	The relevance of electrostatics for scanning-gate microscopy. New Journal of Physics, 2011, 13, 053013.	1.2	17
23	Quantum transport through MoS ₂ constrictions defined by photodoping. Journal of Physics Condensed Matter, 2018, 30, 205001.	0.7	17
24	Transport through a strongly coupled graphene quantum dot in perpendicular magnetic field. Nanoscale Research Letters, 2011, 6, 253.	3.1	16
25	Electron Shuttle Instability for Nano Electromechanical Mass Sensing. Nano Letters, 2007, 7, 2747-2752.	4.5	5
26	Electronic transport in graphene nanostructures on SiO ₂ . Solid State Communications, 2012, 152, 1306-1310.	0.9	2