

Christoph Strunk

List of Publications by Year in descending order

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42
papers

2,334
citations

471509

17
h-index

289244

40
g-index

45
all docs

45
docs citations

45
times ranked

3119
citing authors

#	ARTICLE	IF	CITATIONS
1	Aharonovâ€“Bohm oscillations in carbon nanotubes. Nature, 1999, 397, 673-675.	27.8	736
2	Identification of excitons, trions and biexcitons in single-layer WS ₂ . Physica Status Solidi - Rapid Research Letters, 2015, 9, 457-461.	2.4	282
3	Momentum-space indirect interlayer excitons in transition-metal dichalcogenide van der Waals heterostructures. Nature Physics, 2018, 14, 801-805.	16.7	229
4	Superinsulator and quantum synchronization. Nature, 2008, 452, 613-615.	27.8	193
5	Interlayer exciton dynamics in a dichalcogenide monolayer heterostructure. 2D Materials, 2017, 4, 025112.	4.4	146
6	Supercurrent rectification and magnetochiral effects in symmetric Josephson junctions. Nature Nanotechnology, 2022, 17, 39-44.	31.5	134
7	Giant magnetic splitting inducing near-unity valley polarization in van der Waals heterostructures. Nature Communications, 2017, 8, 1551.	12.8	105
8	Effect of Band Structure on Quantum Interference in Multiwall Carbon Nanotubes. Physical Review Letters, 2005, 94, 186802.	7.8	94
9	Effect of Rashba and Dresselhaus spinâ€“orbit coupling on supercurrent rectification and magnetochiral anisotropy of ballistic Josephson junctions. Journal of Physics Condensed Matter, 2022, 34, 154005.	1.8	39
10	Broken SU(4) symmetry in a Kondo-correlated carbon nanotube. Physical Review B, 2015, 91, .	3.2	38
11	Direct observation of the superconducting gap in a thin film of titanium nitride using terahertz spectroscopy. Physical Review B, 2012, 86, .	3.2	34
12	Coherent population trapping by dark state formation in a carbon nanotube quantum dot. Nature Communications, 2019, 10, 381.	12.8	31
13	Weak localization and Raman study of anisotropically etched graphene antidots. Applied Physics Letters, 2013, 103, 143111.	3.3	29
14	Narrow-band high-lying excitons with negative-mass electrons in monolayer WSe ₂ . Nature Communications, 2021, 12, 5500.	12.8	29
15	Majorana quasiparticles in semiconducting carbon nanotubes. Physical Review B, 2018, 97, .	3.2	24
16	Phase slip lines in superconducting few-layer NbSe ₂ crystals. 2D Materials, 2019, 6, 025039.	4.4	21
17	Localization induced by magnetic fields in carbon nanotubes. Physical Review B, 2011, 83, .	3.2	17
18	Transport across a carbon nanotube quantum dot contacted with ferromagnetic leads: Experiment and nonperturbative modeling. Physical Review B, 2015, 91, .	3.2	16

#	ARTICLE	IF	CITATIONS
37	Strongly nonequilibrium flux flow in the presence of perforating submicron holes. Physica C: Superconductivity and Its Applications, 2005, 432, 223-230.	1.2	2
38	Superconductivity and macroscopic quantum effects in superconducting/ferromagnetic hybrid nanostructures. Comptes Rendus Physique, 2006, 7, 116-127.	0.9	2
39	Microwave reflection measurement of critical currents in a nanotube Josephson transistor with a resistive environment. Nanotechnology, 2011, 22, 125203.	2.6	2
40	Magnetoconductance of carbon nanotubes probed in parallel magnetic fields up to 60 T. Physica Status Solidi (B): Basic Research, 2011, 248, 2672-2675.	1.5	1
41	Shot Noise in Diffusive Superconductor/Normal Metal Heterostructures. , 2003, , 119-133.		1
42	Optical spectroscopy of interlayer excitons in TMDC heterostructures: exciton dynamics, interactions, and giant valley-selective magnetic splitting. , 2018, , .		0