

Richard Hartmann

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3213187/publications.pdf>

Version: 2024-02-01

23
papers

552
citations

1039406

9
h-index

794141

19
g-index

24
all docs

24
docs citations

24
times ranked

558
citing authors

#	ARTICLE	IF	CITATIONS
1	Terahertz science and technology of carbon nanomaterials. <i>Nanotechnology</i> , 2014, 25, 322001.	1.3	156
2	Smooth electron waveguides in graphene. <i>Physical Review B</i> , 2010, 81, .	1.1	114
3	Quasi-exact solution to the Dirac equation for the hyperbolic-secant potential. <i>Physical Review A</i> , 2014, 89, .	1.0	72
4	Excitons in narrow-gap carbon nanotubes. <i>Physical Review B</i> , 2011, 84, .	1.1	50
5	Two-dimensional Dirac particles in a PÄrschl-Teller waveguide. <i>Scientific Reports</i> , 2017, 7, 11599.	1.6	28
6	Excitonic Fine Structure in Emission of Linear Carbon Chains. <i>Nano Letters</i> , 2020, 20, 6502-6509.	4.5	25
7	Bound states in a hyperbolic asymmetric double-well. <i>Journal of Mathematical Physics</i> , 2014, 55, 012105.	0.5	23
8	Interband transitions in narrow-gap carbon nanotubes and graphene nanoribbons. <i>Journal of Applied Physics</i> , 2019, 125, .	1.1	21
9	Pair states in one-dimensional Dirac systems. <i>Physical Review A</i> , 2017, 95, .	1.0	12
10	Terahertz transitions in quasi-metallic carbon nanotubes. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 79, 012014.	0.3	9
11	Bipolar electron waveguides in graphene. <i>Physical Review B</i> , 2020, 102, .	1.1	9
12	Guided modes and terahertz transitions for two-dimensional Dirac fermions in a smooth double-well potential. <i>Physical Review A</i> , 2020, 102, .	1.0	8
13	Exciton states in narrow-gap carbon nanotubes. <i>AIP Conference Proceedings</i> , 2016, , .	0.3	6
14	Quasi-exact solutions for guided modes in two-dimensional materials with tilted Dirac cones. <i>Scientific Reports</i> , 2022, 12, 7688.	1.6	4
15	Two-phonon scattering in graphene in the quantum Hall regime. <i>Physical Review B</i> , 2015, 92, .	1.1	3
16	Terahertz Applications of Carbon Nanotubes and Graphene Nanoribbons. , 2015, , .		3
17	Tuning terahertz transitions in <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mrow><mml:mi>cyclo</mml:mi><mml:mo>[</mml:mo><mml:mi>n</mml:mi></mml:mrow></mml:math> rings. <i>Physical Review B</i> , 2022, 106, .		
18	Excitons and interband terahertz transitions in narrow-gap carbon nanotubes. , 2013, , .		2

#	ARTICLE	IF	CITATIONS
19	Terahertz transitions in finite carbon chains. Physical Review Research, 2021, 3, .	1.3	2
20	Terahertz transitions in narrow-gap carbon nanotubes and graphene nanoribbons. Journal of Physics: Conference Series, 2018, 1092, 012121.	0.3	1
21	Terahertz Applications of Non-Simply-Connected and Helical Nanostructures. NATO Science for Peace and Security Series B: Physics and Biophysics, 2019, , 201-214.	0.2	1
22	TERAHERTZ TRANSITIONS IN NARROW-GAP CARBON NANOTUBES AND GRAPHENE NANORIBBONS. , 2017, , 176-179.		0
23	Terahertz transitions in carbon nanotubes and graphene nanoribbons. , 2017, , .		0