

Biplab Pal

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

257
citations

933447

10
h-index

940533

16
g-index

21
all docs

21
docs citations

21
times ranked

158
citing authors

#	ARTICLE	IF	CITATIONS
1	Anyons and fractional quantum Hall effect in fractal dimensions. <i>Physical Review Research</i> , 2020, 2, .	3.6	22
2	Quasiperiodic magnetic chain as a spin filter for arbitrary spin states. <i>Physical Review B</i> , 2019, 99, .	3.2	1
3	Flat bands and nontrivial topological properties in an extended Lieb lattice. <i>Physical Review B</i> , 2019, 100, .	3.2	29
4	Flat bands in fractal-like geometry. <i>Physical Review B</i> , 2018, 97, .	3.2	44
5	Nontrivial topological flat bands in a diamond-octagon lattice geometry. <i>Physical Review B</i> , 2018, 98, .	3.2	40
6	Spin filtering action in a magnetic-nonmagnetic superlattice structure. <i>AIP Conference Proceedings</i> , 2017, , .	0.4	0
7	Tight-binding chains with off-diagonal disorder: Bands of extended electronic states induced by minimal quasi-“one-dimensionality. <i>Europhysics Letters</i> , 2016, 115, 37004.	2.0	13
8	Spin filtering and switching action in a diamond network with magnetic-nonmagnetic atomic distribution. <i>Scientific Reports</i> , 2016, 6, 32543.	3.3	4
9	Spin filter for arbitrary spins by substrate engineering. <i>Journal of Physics Condensed Matter</i> , 2016, 28, 335301.	1.8	8
10	Flat band analogues and flux driven extended electronic states in a class of geometrically frustrated fractal networks. <i>Journal of Physics Condensed Matter</i> , 2015, 27, 125501.	1.8	17
11	Absolutely continuous energy bands and extended electronic states in an aperiodic comb-shaped nanostructure. <i>Physica Status Solidi (B): Basic Research</i> , 2014, 251, 1401-1407.	1.5	1
12	Engineering bands of extended electronic states in a class of topologically disordered and quasiperiodic lattices. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 2782-2789.	2.1	12
13	Exotic electron states and tunable magneto-transport in a fractal Aharonov-Bohm interferometer. <i>Physics Letters, Section A: General, Atomic and Solid State Physics</i> , 2014, 378, 3144-3150.	2.1	5
14	Absolutely continuous energy bands in the electronic spectrum of quasiperiodic ladder networks. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2014, 60, 188-195.	2.7	8
15	Engineering wave localization in a fractal waveguide network. <i>Physical Review A</i> , 2013, 87, .	2.5	14
16	Electronic states and transport properties of a 1D quantum wire with side-coupled quantum dots. , 2013, , .		0
17	Complete absence of localization in a family of disordered lattices. <i>Europhysics Letters</i> , 2013, 102, 17004.	2.0	17
18	Absolutely continuous spectrum and ballistic transport in a one-dimensional quasiperiodic system. , 2013, , .		0

#	ARTICLE	IF	CITATIONS
19	Nature of electron states and magneto-transport in a graphene geometry with a fractal distribution of holes. European Physical Journal B, 2012, 85, 1.	1.5	6
20	Staggered and extreme localization of electron states in fractal space. Physical Review B, 2012, 85, .	3.2	15
21	On the extendedness of eigenstates in a hierarchical lattice: A critical view. Solid State Communications, 2011, 151, 1894-1898.	1.9	1