Biplab Pal

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6174807/publications.pdf

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		933447	940533
21	257	10	16
papers	citations	h-index	g-index

21	21	21	158
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Flat bands in fractal-like geometry. Physical Review B, 2018, 97, .	3.2	44
2	Nontrivial topological flat bands in a diamond-octagon lattice geometry. Physical Review B, 2018, 98, .	3.2	40
3	Flat bands and nontrivial topological properties in an extended Lieb lattice. Physical Review B, 2019, 100, .	3.2	29
4	Anyons and fractional quantum Hall effect in fractal dimensions. Physical Review Research, 2020, 2, .	3.6	22
5	Complete absence of localization in a family of disordered lattices. Europhysics Letters, 2013, 102, 17004.	2.0	17
6	Flat band analogues and flux driven extended electronic states in a class of geometrically frustrated fractal networks. Journal of Physics Condensed Matter, 2015, 27, 125501.	1.8	17
7	Staggered and extreme localization of electron states in fractal space. Physical Review B, 2012, 85, .	3.2	15
8	Engineering wave localization in a fractal waveguide network. Physical Review A, 2013, 87, .	2.5	14
9	Tight-binding chains with off-diagonal disorder: Bands of extended electronic states induced by minimal quasiâ€“one-dimensionality. Europhysics Letters, 2016, 115, 37004.	2.0	13
10	Engineering bands of extended electronic states in a class of topologically disordered and quasiperiodic lattices. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 2782-2789.	2.1	12
11	Absolutely continuous energy bands in the electronic spectrum of quasiperiodic ladder networks. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 60, 188-195.	2.7	8
12	Spin filter for arbitrary spins by substrate engineering. Journal of Physics Condensed Matter, 2016, 28, 335301.	1.8	8
13	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
14	Exotic electron states and tunable magneto-transport in a fractal Aharonovâ€“Bohm interferometer. Physics Letters, Section A: General, Atomic and Solid State Physics, 2014, 378, 3144-3150.	2.1	5
15	Spin filtering and switching action in a diamond network with magnetic-nonmagnetic atomic distribution. Scientific Reports, 2016, 6, 32543.	3.3	4
16	On the extendedness of eigenstates in a hierarchical lattice: A critical view. Solid State Communications, 2011, 151, 1894-1898.	1.9	1
17	Absolutely continuous energy bands and extended electronic states in an aperiodic comb-shaped nanostructure. Physica Status Solidi (B): Basic Research, 2014, 251, 1401-1407.	1.5	1
18	Quasiperiodic magnetic chain as a spin filter for arbitrary spin states. Physical Review B, 2019, 99, .	3.2	1

#	Article	IF	Citations
19	Electronic states and transport properties of a 1D quantum wire with side-coupled quantum dots. , 2013, , .		0
20	Absolutely continuous spectrum and ballistic transport in a one-dimensional quasiperiodic system. , 2013, , .		0
21	Spin filtering action in a magnetic-nonmagnetic superlattice structure. AIP Conference Proceedings, 2017, , .	0.4	0