Pankaj Bhalla

List of Publications by Year
in descending order

15	131	1307594 7	1281871 11
papers	citations	h-index	g-index

16	16	16	51
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Generating a Topological Anomalous Hall Effect in a Nonmagnetic Conductor: An In-Plane Magnetic Field as a Direct Probe of the Berry Curvature. Physical Review Letters, 2021, 126, 256601.	7.8	35
2	Generalized Drude scattering rate from the memory function formalism: an independent verification of the Sharapov-Carbotte result. European Physical Journal B, 2016, 89, 1.	1.5	14
3	Moment expansion to the memory function for generalized Drude scattering rate. Physics Letters, Section A: General, Atomic and Solid State Physics, 2016, 380, 2000-2007.	2.1	11
4	Nonlinear Ballistic Response of Quantum Spin Hall Edge States. Physical Review Letters, 2021, 127, 206801.	7.8	11
5	Theory of the dynamical thermal conductivity of metals. Physical Review B, 2016, 94, .	3.2	9
6	Signatures of quantum mechanical Zeeman effect in classical transport due to topological properties of two-dimensional spin- 32 holes. Physical Review B, 2020, 101, .	3.2	9
7	Role of acoustic phonons in frequency dependent electronic thermal conductivity of graphene. Physics Letters, Section A: General, Atomic and Solid State Physics, 2017, 381, 924-930.	2.1	8
8	Second harmonic helicity and Faraday rotation in gated single-layer <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:mn>1</mml:mn><mml:mi>T</mml:mi><mml:mo>â€²</mml:mo><mml:mt Physical Review B, 2022, 105, .	3.2	7
9	Infrared properties of cuprates in the pseudogap state: a study of MitroviÄ‡-Fiorucci and Sharapov-Carbotte scattering rates. European Physical Journal B, 2014, 87, 1.	1.5	6
10	Memory function approach to correlated electron transport: A comprehensive review. International Journal of Modern Physics B, 2016, 30, 1630015.	2.0	5
11	Aspects of electron transport in zigzag graphene nanoribbons. International Journal of Modern Physics B, 2018, 32, 1850148.	2.0	5
12	Finite frequency Seebeck coefficient of metals: A memory function approach. Journal of Physics and Chemistry of Solids, 2017, 109, 31-39.	4.0	4
13	A comparative study of finite frequency scattering rate from Allen, MitroviÄ‡â€“Fiorucci, Shulgaâ€“Dolgovâ€“Maksimov, Sharapovâ€“Carbotte and memory function formalisms. International Journal of Modern Physics B, 2019, 33, 1950128.	2.0	3
14	Nonequilibrium electron relaxation in graphene. International Journal of Modern Physics B, 2019, 33, 1950183.	2.0	3
15	Unidirectional magnetotransport of linearly dispersing topological edge states. Physical Review B, 2021, 104, .	3.2	1