Vikram V Deshpande

List of Publications by Year
in descending order

23	1,278	623734	677142
papers	citations	14 h-index	22 g-index

26	26	26	1976
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum Interferences in Ultraclean Carbon Nanotubes. Physical Review Letters, 2021, 126, 216802.	7.8	3
2	Van der Waals heterostructures based on three-dimensional topological insulators. Current Opinion in Solid State and Materials Science, 2021, 25, 100939.	11.5	0
3	Landau Levels of Topologically-Protected Surface States Probed by Dual-Gated Quantum Capacitance. ACS Nano, 2020, 14, 1158-1165.	14.6	14
4	Unique Thermoelectric Properties Induced by Intrinsic Nanostructuring in a Polycrystalline Thinâ€Film Twoâ€Dimensional Metalâ€“Organic Framework, Copper Benzenehexathiol. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000437.	1.8	16
5	Spin Wave Excitation, Detection, and Utilization in the Organicâ€Based Magnet, V(TCNE)_x (TCNE = Tetracyanoethylene). Advanced Materials, 2020, 32, e2002663.	21.0	17
6	Circular electromechanical resonators based on hexagonal-boron nitride-graphene heterostructures. Applied Physics Letters, 2020, 117, .	3.3	8
7	Tunable Coupling between Surface States of a Three-Dimensional Topological Insulator in the Quantum Hall Regime. Physical Review Letters, 2019, 123, 036804.	7.8	26
8	Band-Gap-Dependent Electronic Compressibility of Carbon Nanotubes in the Wigner Crystal Regime. Physical Review Letters, 2019, 123, 197701.	7.8	5
9	Manifestation of Kinetic Inductance in Terahertz Plasmon Resonances in Thin-Film Cd₃As₂. ACS Nano, 2019, 13, 4091-4100.	14.6	24
10	Spin-optoelectronic devices based on hybrid organic-inorganic trihalide perovskites. Nature Communications, 2019, 10, 129.	12.8	214
11	Universal interaction-driven gap in metallic carbon nanotubes. Physical Review B, 2018, 97, .	3.2	9
12	Strong terahertz plasmonic resonances in thin-film Cd<inf>3</inf>As<inf>2</inf>: a three-dimensional Dirac semimetal. , 2018, , .		0
13	Topological Insulator-Based van der Waals Heterostructures for Effective Control of Massless and Massive Dirac Fermions. Nano Letters, 2018, 18, 8047-8053.	9.1	25
14	Enhancement in surface mobility and quantum transport of Bi2â^'xSbxTe3â^'ySey topological insulator by controlling the crystal growth conditions. Scientific Reports, 2018, 8, 17290.	3.3	17
15	Modulation of mechanical resonance by chemical potential oscillation in graphene. Nature Physics, 2016, 12, 240-244.	16.7	47
16	Tunable electronic correlation effects in nanotube-light interactions. Physical Review B, 2015, 92, .	3.2	13
17	Electrically integrated SU-8 clamped graphene drum resonators for strain engineering. Applied Physics Letters, 2013, 102, 153101.	3.3	67
18	Allâ€optical structure assignment of individual singleâ€walled carbon nanotubes from Rayleigh and Raman scattering measurements. Physica Status Solidi (B): Basic Research, 2012, 249, 2436-2441.	1.5	10

#	Article	IF	Citations
19	Electron liquids and solids in one dimension. Nature, 2010, 464, 209-216.	27.8	204
20	Radio frequency electrical transduction of graphene mechanical resonators. Applied Physics Letters, 2010, 97, .	3.3	112
21	Mott Insulating State in Ultraclean Carbon Nanotubes. Science, 2009, 323, 106-110.	12.6	151
22	Spatially Resolved Temperature Measurements of Electrically Heated Carbon Nanotubes. Physical Review Letters, 2009, 102, 105501.	7.8	89
23	The one-dimensional Wigner crystal in carbon nanotubes. Nature Physics, 2008, 4, 314-318.	16.7	203