

Eddwi Hesky Hasdeo

List of Publications by Year in descending order

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34
papers

954
citations

623574

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h-index

434063

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35
all docs

35
docs citations

35
times ranked

1988
citing authors

#	ARTICLE	IF	CITATIONS
1	Anisotropic Electron-Photon and Electron-Phonon Interactions in Black Phosphorus. Nano Letters, 2016, 16, 2260-2267.	4.5	328
2	Quantum Effects in the Thermoelectric Power Factor of Low-Dimensional Semiconductors. Physical Review Letters, 2016, 117, 036602.	2.9	110
3	Diameter dependence of thermoelectric power of semiconducting carbon nanotubes. Physical Review B, 2015, 92, .	1.1	102
4	Breit-Wigner-Fano line shapes in Raman spectra of graphene. Physical Review B, 2014, 90, .	1.1	67
5	Giant Terahertz-Wave Absorption by Monolayer Graphene in a Total Internal Reflection Geometry. ACS Photonics, 2017, 4, 121-126.	3.2	52
6	Deep-ultraviolet Raman scattering studies of monolayer graphene thin films. Carbon, 2015, 81, 807-813.	5.4	28
7	Origin of the Flat Band in Heavily Cs-Doped Graphene. ACS Nano, 2020, 14, 1055-1069.	7.3	28
8	Fermi energy dependence of first- and second-order Raman spectra in graphene: Kohn anomaly and quantum interference effect. Physical Review B, 2016, 94, .	1.1	27
9	Electronic Raman scattering and the Fano resonance in metallic carbon nanotubes. Physical Review B, 2013, 88, .	1.1	26
10	Fermi energy-dependence of electromagnetic wave absorption in graphene. Applied Physics Express, 2015, 8, 055102.	1.1	20
11	Optimal band gap for improved thermoelectric performance of two-dimensional Dirac materials. Journal of Applied Physics, 2019, 126, .	1.1	18
12	Long-Lived Domain Wall Plasmons in Gapped Bilayer Graphene. Nano Letters, 2017, 17, 7252-7257.	4.5	17
13	Resonance Raman Spectrum of Doped Epitaxial Graphene at the Lifshitz Transition. Nano Letters, 2018, 18, 6045-6056.	4.5	16
14	Investigation of electron and phonon transport in Bi-doped CaMnO ₃ for thermoelectric applications. Materials Research Bulletin, 2021, 141, 111359.	2.7	16
15	Ultraviolet Raman spectroscopy of graphene and transition-metal dichalcogenides. Physica Status Solidi (B): Basic Research, 2015, 252, 2363-2374.	0.7	14
16	Electron hydrodynamics of two-dimensional anomalous Hall materials. Physical Review B, 2021, 103, .	1.1	14
17	Broadband transverse electric surface wave in silicene. Applied Physics Letters, 2016, 109, .	1.5	13
18	Photon energy dependence of angle-resolved photoemission spectroscopy in graphene. Physical Review B, 2015, 92, .	1.1	12

#	ARTICLE	IF	CITATIONS
19	Multiple electronic Raman scatterings in a single metallic carbon nanotube. <i>Physical Review B</i> , 2016, 93, .	1.1	11
20	Effects of topological band structure on thermoelectric transport of bismuthene. <i>Physical Review B</i> , 2021, 104, .	1.1	5
21	Kerr effect in tilted nodal loop semimetals. <i>Physical Review B</i> , 2021, 104, .	1.1	4
22	The quest and hope of Majorana zero modes in topological superconductor for fault-tolerant quantum computing: An introductory overview. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	4
23	Selective coherent phonon-mode generation in single-wall carbon nanotubes. <i>Journal of Physics Condensed Matter</i> , 2017, 29, 055302.	0.7	3
24	Strain effects on band structure and Dirac nodal-line morphology of ZrSiSe. <i>Journal of Applied Physics</i> , 2021, 129, .	1.1	3
25	Thermoelectric properties of semiconducting materials with parabolic and pudding-mold band structures. <i>Materials Today Communications</i> , 2022, 31, 103737.	0.9	3
26	Cyclotron motion without magnetic field. <i>New Journal of Physics</i> , 2019, 21, 083026.	1.2	2
27	Spin-tunable thermoelectric performance in monolayer chromium pnictides. <i>Physical Review Materials</i> , 2022, 6, .	0.9	2
28	Thermoelectric properties of two-dimensional Dirac materials. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
29	Thermoelectric properties of two-dimensional hydrogenated borophene: A first-principles study. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	1
30	Non-universal scaling of thermoelectric efficiency in 3D and 2D thermoelectric semiconductors. <i>Advances in Natural Sciences: Nanoscience and Nanotechnology</i> , 2021, 12, 015017.	0.7	1
31	Formation of ultra-thin $\text{Ge}_{1-x}\text{Sn}_x/\text{Ge}_{1-x}\text{Si}_x\text{Sn}_y$ quantum heterostructures and their electrical properties for realizing resonant tunneling diode. <i>Applied Physics Letters</i> , 2020, 117, 232104.	1.5	1
32	Kerr and Faraday rotations in topological flat and dispersive band structures. <i>New Journal of Physics</i> , 2022, 24, 063003.	1.2	1
33	Modulation of coherent phonon amplitudes in low-dimensional materials by ultrafast laser pulse trains. <i>AIP Conference Proceedings</i> , 2020, , .	0.3	0
34	A comparative study of thermoelectric properties of monolayer, bilayer and bulk CrI_3 . <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0