

Manik Goyal

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

20
papers

343
citations

9
h-index

18
g-index

23
ext. papers

470
ext. citations

5.1
avg, IF

3.66
L-index

#	Paper	IF	Citations
20	Observation of the Quantum Hall Effect in Confined Films of the Three-Dimensional Dirac Semimetal Cd ₃ As ₂ . <i>Physical Review Letters</i> , 2018 , 120, 016801	7.4	99
19	Molecular beam epitaxy of Cd ₃ As ₂ on a III-V substrate. <i>APL Materials</i> , 2016 , 4, 126110	5.7	47
18	Negative magnetoresistance due to conductivity fluctuations in films of the topological semimetal Cd ₃ As ₂ . <i>Physical Review B</i> , 2017 , 95,	3.3	40
17	Thickness dependence of the quantum Hall effect in films of the three-dimensional Dirac semimetal Cd ₃ As ₂ . <i>APL Materials</i> , 2018 , 6, 026105	5.7	38
16	Two-dimensional Dirac fermions in thin films of Cd ₃ As ₂ . <i>Physical Review B</i> , 2018 , 97,	3.3	30
15	Widely Tunable Optical and Thermal Properties of Dirac Semimetal Cd ₃ As ₂ . <i>Advanced Optical Materials</i> , 2020 , 8, 1901192	8.1	15
14	Surface states of strained thin films of the Dirac semimetal Cd ₃ As ₂ . <i>Physical Review Materials</i> , 2019 , 3,	3.2	15
13	Basal-plane growth of cadmium arsenide by molecular beam epitaxy. <i>Physical Review Materials</i> , 2019 , 3,	3.2	14
12	Soft phonons and ultralow lattice thermal conductivity in the Dirac semimetal Cd ₃ As ₂ . <i>Physical Review Research</i> , 2019 , 1,	3.9	13
11	Carrier mobilities of (001) cadmium arsenide films. <i>APL Materials</i> , 2020 , 8, 051106	5.7	8
10	Field-effect transistors with the three-dimensional Dirac semimetal cadmium arsenide. <i>Applied Physics Letters</i> , 2019 , 115, 062101	3.4	6
9	Prospects of Terahertz Transistors with the Topological Semimetal Cadmium Arsenide. <i>Advanced Electronic Materials</i> , 2020 , 6, 2000676	6.4	6
8	Absence of signatures of Weyl orbits in the thickness dependence of quantum transport in cadmium arsenide. <i>Physical Review B</i> , 2019 , 99,	3.3	4
7	Point group symmetry of cadmium arsenide thin films determined by convergent beam electron diffraction. <i>Physical Review Materials</i> , 2019 , 3,	3.2	4
6	Detecting topological phase transitions in cadmium arsenide films via the transverse magnetoresistance. <i>Applied Physics Letters</i> , 2021 , 119, 171907	3.4	1
5	Room-Temperature Spin Transport in CdAs. <i>ACS Nano</i> , 2021 , 15, 5459-5466	16.7	1
4	Controlling the symmetry of cadmium arsenide films by epitaxial strain. <i>APL Materials</i> , 2021 , 9, 051111	5.7	0

- 3 Quantum Hall effect of the topological insulator state of cadmium arsenide in Corbino geometry. *Applied Physics Letters*, **2021**, 118, 261901 3.4 ○
- 2 HAADF-STEM Study of MBE-Grown Dirac Semimetal Cd₃As₂. *Microscopy and Microanalysis*, **2017**, 23, 1480-1481 0.5
- 1 Magnetoresistance effects in cadmium arsenide thin films. *Applied Physics Letters*, **2020**, 117, 170601 3.4