

Ashish Chanana

List of Publications by Year in descending order

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32
papers

433
citations

840776

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794594

19
g-index

34
all docs

34
docs citations

34
times ranked

829
citing authors

#	ARTICLE	IF	CITATIONS
1	Kerr optical parametric oscillation in a photonic crystal microring for accessing the infrared. Optics Letters, 2022, 47, 3331.	3.3	6
2	Observation of spatially resolved Rashba states on the surface of CH ₃ NH ₃ PbBr ₃ single crystals. Applied Physics Reviews, 2021, 8, .	11.3	12
3	Circular photogalvanic spectroscopy of Rashba splitting in 2D hybrid organic-inorganic perovskite multiple quantum wells. Nature Communications, 2020, 11, 323.	12.8	88
4	The anisotropic quasi-static permittivity of single-crystal $\text{In}^2\text{-Ga}_2\text{O}_3$ measured by terahertz spectroscopy. Applied Physics Letters, 2020, 117, .	3.3	27
5	Magneto-Electroluminescence Study of Fringe Field in "Magnetic" Organic Light-Emitting Diodes. ACS Applied Materials & Interfaces, 2019, 11, 30072-30078.	8.0	5
6	Manifestation of Kinetic Inductance in Terahertz Plasmon Resonances in Thin-Film Cd ₃ As ₂ . ACS Nano, 2019, 13, 4091-4100.	14.6	24
7	Studies of spin transport in fullerene films. Journal of Applied Physics, 2019, 125, .	2.5	16
8	Ultrafast THz modulators with WSe ₂ thin films [Invited]. Optical Materials Express, 2019, 9, 826.	3.0	16
9	THz characterization and demonstration of visible-transparent/terahertz-functional electromagnetic structures in ultra-conductive La-doped BaSnO ₃ Films. Scientific Reports, 2018, 8, 3577.	3.3	20
10	Ultrafast frequency-agile terahertz devices using methylammonium lead halide perovskites. Science Advances, 2018, 4, eaar7353.	10.3	56
11	Strong terahertz plasmonic resonances in thin-film Cd ₃ As ₂ : a three-dimensional Dirac semimetal. , 2018, , .		0
12	Synchronized Plasma Wave Resonances in Ultrathin-Membrane GaN Heterostructures. , 2018, , .		0
13	Demonstration of Computational THz Diffractive Optical Elements Enabled by a Modified Direct Binary Search Technique. , 2018, , .		1
14	Ultrafast terahertz modulator based on metamaterial-integrated WSe ₂ thin-films. , 2018, , .		0
15	Comparison of unit cell coupling for grating-gate and high electron mobility transistor array THz resonant absorbers. Journal of Applied Physics, 2018, 124, .	2.5	6
16	Graphene "dielectric integrated terahertz metasurfaces. Semiconductor Science and Technology, 2018, 33, 104007.	2.0	10
17	Efficient Design of Diffractive THz Lenses for Aberration Rectified Focusing via Modified Binary Search Algorithm. , 2018, , .		1
18	Shaping Terahertz Beams with High-efficiency All-dielectric Metasurfaces. , 2018, , .		0

#	ARTICLE	IF	CITATIONS
19	Terahertz spectroscopy of an electron-hole bilayer system in AlN/GaN/AlN quantum wells. Applied Physics Letters, 2017, 111, .	3.3	9
20	Colour selective control of terahertz radiation using two-dimensional hybrid organic inorganic lead-trihalide perovskites. Nature Communications, 2017, 8, 1328.	12.8	35
21	Tunable Terahertz Metamaterials Employing Layered 2-D Materials Beyond Graphene. IEEE Journal of Selected Topics in Quantum Electronics, 2017, 23, 188-194.	2.9	24
22	Experimental demonstration of enhanced terahertz coupling to plasmon in ultra-thin membrane AlGaIn/GaN HEMT arrays. , 2017, , .		1
23	Terahertz conductivity and scattering in few-layer stacked graphene. , 2017, , .		0
24	Selective Modulation of Terahertz using Photo-excited 2D Hybrid Lead Halide Perovskite. , 2017, , .		0
25	Near-field Enhancement and Optimal Performance in Metamaterial Terahertz Modulators Based on 2D-materials. , 2016, , .		0
26	Hiding multi-level multi-color images in terahertz metasurfaces. Optica, 2016, 3, 1466.	9.3	9
27	Optical modulation of THz plasmonic resonances using perovskites. , 2016, , .		0
28	Large nanoscale electronic conductivity in complex oxide heterostructures with ultra high electron density. APL Materials, 2016, 4, 076107.	5.1	4
29	Hiding images with multi-color THz metasurfaces. , 2016, , .		0
30	Steady State Vapor Bubble in Pool Boiling. Scientific Reports, 2016, 6, 20240.	3.3	37
31	Terahertz conductivity of ultra high electron concentration 2DEGs in NTO/STO heterostructures. , 2016, , .		0
32	Non-Drude like behaviour of metals in the terahertz spectral range. Advances in Physics: X, 2016, 1, 176-193.	4.1	26