

# Ashish Chanana

## List of Publications by Year in descending order

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32  
papers

433  
citations

840776

11  
h-index

794594

19  
g-index

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34  
docs citations

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times ranked

829  
citing authors

#	ARTICLE	IF	CITATIONS
1	Circular photogalvanic spectroscopy of Rashba splitting in 2D hybrid organic-inorganic perovskite multiple quantum wells. <i>Nature Communications</i> , 2020, 11, 323.	12.8	88
2	Ultrafast frequency-agile terahertz devices using methylammonium lead halide perovskites. <i>Science Advances</i> , 2018, 4, eaar7353.	10.3	56
3	Steady State Vapor Bubble in Pool Boiling. <i>Scientific Reports</i> , 2016, 6, 20240.	3.3	37
4	Colour selective control of terahertz radiation using two-dimensional hybrid organic inorganic lead-trihalide perovskites. <i>Nature Communications</i> , 2017, 8, 1328.	12.8	35
5	The anisotropic quasi-static permittivity of single-crystal $\text{In}^2\text{-Ga}_2\text{O}_3$ measured by terahertz spectroscopy. <i>Applied Physics Letters</i> , 2020, 117, .	3.3	27
6	Non-Drude like behaviour of metals in the terahertz spectral range. <i>Advances in Physics: X</i> , 2016, 1, 176-193.	4.1	26
7	Tunable Terahertz Metamaterials Employing Layered 2-D Materials Beyond Graphene. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2017, 23, 188-194.	2.9	24
8	Manifestation of Kinetic Inductance in Terahertz Plasmon Resonances in Thin-Film $\text{Cd}_3\text{As}_2$ . <i>ACS Nano</i> , 2019, 13, 4091-4100.	14.6	24
9	THz characterization and demonstration of visible-transparent/terahertz-functional electromagnetic structures in ultra-conductive La-doped $\text{BaSnO}_3$ Films. <i>Scientific Reports</i> , 2018, 8, 3577.	3.3	20
10	Studies of spin transport in fullerene films. <i>Journal of Applied Physics</i> , 2019, 125, .	2.5	16
11	Ultrafast THz modulators with $\text{WSe}_2$ thin films [Invited]. <i>Optical Materials Express</i> , 2019, 9, 826.	3.0	16
12	Observation of spatially resolved Rashba states on the surface of $\text{CH}_3\text{NH}_3\text{PbBr}_3$ single crystals. <i>Applied Physics Reviews</i> , 2021, 8, .	11.3	12
13	Graphene-dielectric integrated terahertz metasurfaces. <i>Semiconductor Science and Technology</i> , 2018, 33, 104007.	2.0	10
14	Hiding multi-level multi-color images in terahertz metasurfaces. <i>Optica</i> , 2016, 3, 1466.	9.3	9
15	Terahertz spectroscopy of an electron-hole bilayer system in $\text{AlN}/\text{GaN}/\text{AlN}$ quantum wells. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	9
16	Comparison of unit cell coupling for grating-gate and high electron mobility transistor array THz resonant absorbers. <i>Journal of Applied Physics</i> , 2018, 124, .	2.5	6
17	Kerr optical parametric oscillation in a photonic crystal microring for accessing the infrared. <i>Optics Letters</i> , 2022, 47, 3331.	3.3	6
18	Magneto-Electroluminescence Study of Fringe Field in $\text{MgO}$ -Magnetic-Organic Light-Emitting Diodes. <i>ACS Applied Materials &amp; Interfaces</i> , 2019, 11, 30072-30078.	8.0	5

#	ARTICLE	IF	CITATIONS
19	Large nanoscale electronic conductivity in complex oxide heterostructures with ultra high electron density. APL Materials, 2016, 4, 076107.	5.1	4
20	Experimental demonstration of enhanced terahertz coupling to plasmon in ultra-thin membrane AlGaIn/GaN HEMT arrays. , 2017, , .		1
21	Demonstration of Computational THz Diffractive Optical Elements Enabled by a Modified Direct Binary Search Technique. , 2018, , .		1
22	Efficient Design of Diffractive THz Lenses for Aberration Rectified Focusing via Modified Binary Search Algorithm. , 2018, , .		1
23	Near-field Enhancement and Optimal Performance in Metamaterial Terahertz Modulators Based on 2D-materials. , 2016, , .		0
24	Optical modulation of THz plasmonic resonances using perovskites. , 2016, , .		0
25	Hiding images with multi-color THz metasurfaces. , 2016, , .		0
26	Terahertz conductivity of ultra high electron concentration 2DEGs in NTO/STO heterostructures. , 2016, , .		0
27	Terahertz conductivity and scattering in few-layer stacked graphene. , 2017, , .		0
28	Strong terahertz plasmonic resonances in thin-film Cd <sub>3</sub> As <sub>2</sub> : a three-dimensional Dirac semimetal. , 2018, , .		0
29	Synchronized Plasma Wave Resonances in Ultrathin-Membrane GaN Heterostructures. , 2018, , .		0
30	Ultrafast terahertz modulator based on metamaterial-integrated WSe <sub>2</sub> thin-films. , 2018, , .		0
31	Selective Modulation of Terahertz using Photo-excited 2D Hybrid Lead Halide Perovskite. , 2017, , .		0
32	Shaping Terahertz Beams with High-efficiency All-dielectric Metasurfaces. , 2018, , .		0