

Manisha Gupta

List of Publications by Citations

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Version: 2024-04-28

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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.

25
papers

483
citations

8
h-index

21
g-index

28
ext. papers

631
ext. citations

5.5
avg, IF

3.82
L-index

#	Paper	IF	Citations
25	An ultrafast terahertz scanning tunnelling microscope. <i>Nature Photonics</i> , 2013 , 7, 620-625	33.9	258
24	Zinc oxide thin film transistors with Schottky source barriers. <i>Solid-State Electronics</i> , 2012 , 76, 104-108	1.7	48
23	Triplet excitons: improving exciton diffusion length for enhanced organic photovoltaics. <i>Journal of Materials Chemistry A</i> , 2019 , 7, 2445-2463	13	32
22	Tuning PEDOT:PSS conductivity to obtain complementary organic electrochemical transistor. <i>Organic Electronics</i> , 2019 , 66, 148-155	3.5	24
21	3D printed high transconductance organic electrochemical transistors on flexible substrates. <i>Organic Electronics</i> , 2019 , 73, 122-129	3.5	19
20	Fully 3D printed OECT based logic gate for detection of cation type and concentration. <i>Sensors and Actuators B: Chemical</i> , 2019 , 286, 111-118	8.5	16
19	Optimization of pulsed laser deposited ZnO thin-film growth parameters for thin-film transistors (TFT) application. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 110, 793-798	2.6	15
18	Schottky barrier source-gated ZnO thin film transistors by low temperature atomic layer deposition. <i>Applied Physics Letters</i> , 2013 , 103, 253503	3.4	11
17	High-mobility solution-processed zinc oxide thin films on silicon nitride. <i>Physica Status Solidi - Rapid Research Letters</i> , 2014 , 8, 871-875	2.5	7
16	Biofunctionalized silicon nitride platform for sensing applications. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 497-503	11.8	7
15	Delta-9-tetrahydrocannabinol (Δ^9 THC) sensing using an aerosol jet printed organic electrochemical transistor (OECT). <i>Journal of Materials Chemistry B</i> , 2021 , 9, 2107-2117	7.3	7
14	Density functional theoryProjected local density of statesBased estimation of Schottky barrier for monolayer MoS ₂ . <i>Journal of Applied Physics</i> , 2018 , 124, 014502	2.5	6
13	Titanium disulfide as Schottky/ohmic contact for monolayer molybdenum disulfide. <i>Npj 2D Materials and Applications</i> , 2020 , 4,	8.8	6
12	Electrical Characteristics of TiW/ZnO Schottky contact with ALD and PLD. <i>Materials Research Society Symposia Proceedings</i> , 2014 , 1635, 127-132		5
11	Fabrication and characterization of freestanding ultrathin diamond-like carbon targets for high-intensity laser applications. <i>Applied Physics B: Lasers and Optics</i> , 2013 , 113, 429-436	1.9	4
10	Pulsed laser deposition of Si nanodots for photonic applications 2011 ,		4
9	Single nucleotide detection using bilayer MoS nanopores with high efficiency.. <i>RSC Advances</i> , 2021 , 11, 6114-6123	3.7	3

8	Hybrid Nanopore for Molecular Sensing Applications. <i>Biophysical Journal</i> , 2017 , 112, 459a	2.9	2
7	Pulsed laser deposition of uniform semiconductor nanodot arrays. <i>Applied Physics A: Materials Science and Processing</i> , 2013 , 110, 817-821	2.6	2
6	Geometrical Optimization of Organic Electrochemical Transistor for High Transconductance. <i>ECS Journal of Solid State Science and Technology</i> , 2020 , 9, 081003	2	2
5	A functionalization study of aerosol jet printed organic electrochemical transistors (OECTs) for glucose detection. <i>Materials Advances</i> ,	3.3	2
4	Highly accurate random DNA sequencing using inherent interlayer potential traps of bilayer MoS2 nanopores		1
3	Integration of light scattering with machine learning for label free cell detection. <i>Biomedical Optics Express</i> , 2021 , 12, 3512-3529	3.5	1
2	A real-time light-scattering technique for tailings solids measurement. <i>Journal of Environmental Quality</i> , 2021 , 50, 580-588	3.4	0
1	Low Noise Hybrid Nanopore with Engineered OmpG and Bilayer MoS.. <i>ACS Applied Bio Materials</i> , 2021 , 4, 5416-5424	4.1	0