

# Subhajit Karmakar

## List of Publications by Year in descending order

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20  
papers

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933447

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1058476

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docs citations

21  
times ranked

89  
citing authors

#	ARTICLE	IF	CITATIONS
1	Strong terahertz matter interaction induced ultrasensitive sensing in Fano cavity based stacked metamaterials. Journal Physics D: Applied Physics, 2020, 53, 415101.	2.8	71
2	Lattice-induced plasmon hybridization in metamaterials. Optics Letters, 2020, 45, 3386.	3.3	44
3	Deep-Subwavelength Coupling-Induced Fano Resonances in Symmetric Terahertz Metamaterials. Physica Status Solidi - Rapid Research Letters, 2019, 13, 1900310.	2.4	37
4	Magnetic wire: transverse magnetism in a one-dimensional plasmonic system. Optics Letters, 2021, 46, 1365.	3.3	37
5	Theoretical investigation of active modulation and enhancement of Fano resonance in THz metamaterials. OSA Continuum, 2019, 2, 531.	1.8	26
6	Modulating extraordinary terahertz transmissions in multilayer plasmonic metasurfaces. Journal of Optics (United Kingdom), 2020, 22, 125101.	2.2	17
7	Hybridization of dark resonant states in terahertz metasurfaces. Journal of Applied Physics, 2021, 130, .	2.5	14
8	Magnetspectroscopy of terahertz surface plasmons in subwavelength perforated superlattice thin-films. Journal of Applied Physics, 2022, 131, .	2.5	12
9	Ultrasensitive terahertz sensing with broadside coupled polarization insensitive graphene metamaterial cavities. Optik, 2021, 248, 168073.	2.9	11
10	Magnetic modulation of Fano resonances in optically thin terahertz superlattice metasurfaces. Journal Physics D: Applied Physics, 2022, 55, 135109.	2.8	11
11	Hybrid resonant cavities: A route towards phase engineered THz metasurfaces. IScience, 2022, 25, 104024.	4.1	9
12	Deep-Ultraviolet Photodetectors Based on Hexagonal Boron Nitride Nanosheets Enhanced by Localized Surface Plasmon Resonance in Al Nanoparticles. ACS Applied Nano Materials, 2022, 5, 7481-7491.	5.0	9
13	Localized surface plasmon resonance-enhanced solar-blind Al <sub>0.4</sub> Ga <sub>0.6</sub> N MSM photodetectors exhibiting high-temperature robustness. Nanotechnology, 2022, 33, 145202.	2.6	7
14	Resonance hybridization in terahertz stacked metamaterials near Fano excitation threshold. , 2022, , .		1
15	Displacement sensing using terahertz metasurfaces. , 2019, , .		0
16	Polarization Sensitive Terahertz Modulator Based on Electrically Controlled Fano Metasurfaces. Springer Proceedings in Physics, 2021, , 895-898.	0.2	0
17	Observation of resonance cloaking with vanishing capacitance in terahertz multilayer metasurfaces. , 2020, , .		0
18	Terahertz sensing with deep-subwavelength metasurface cavity operating near Fano excitation threshold. , 2020, , .		0

#	ARTICLE	IF	CITATIONS
19	Broadside coupled graphene metamaterial cavities for ultrasensitive terahertz sensing. , 2021, , .		0
20	Terahertz Transverse Magnetism in Subwavelength Grating-Coupled Hybrid Plasmonic Systems. , 2021, , .		0