

Yogesh Kumar Srivastava

List of Publications by Year in descending order

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41
papers

2,900
citations

201674

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docs citations

41
times ranked

2073
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Dielectric Active Terahertz Photonics Driven by Bound States in the Continuum. <i>Advanced Materials</i> , 2019, 31, e1901921.	21.0	210
2	All-optical active THz metasurfaces for ultrafast polarization switching and dynamic beam splitting. <i>Light: Science and Applications</i> , 2018, 7, 28.	16.6	202
3	Sensing with toroidal metamaterial. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	187
4	Active Photoswitching of Sharp Fano Resonances in THz Metadevices. <i>Advanced Materials</i> , 2017, 29, 1603355.	21.0	180
5	Terahertz sensing of 7-nm dielectric film with bound states in the continuum metasurfaces. <i>Applied Physics Letters</i> , 2019, 115, .	3.3	179
6	MoS ₂ for Ultrafast All-Optical Switching and Modulation of THz Fano Metaphotonic Devices. <i>Advanced Optical Materials</i> , 2017, 5, 1700762.	7.3	146
7	Hybrid Lead Halide Perovskites for Ultrasensitive Photoactive Switching in Terahertz Metamaterial Devices. <i>Advanced Materials</i> , 2017, 29, 1605881.	21.0	140
8	A Toroidal Metamaterial Switch. <i>Advanced Materials</i> , 2018, 30, 1704845.	21.0	118
9	Active Control of Nanodielectric-Induced THz Quasi-BIC in Flexible Metasurfaces: A Platform for Modulation and Sensing. <i>Advanced Materials</i> , 2021, 33, e2100836.	21.0	117
10	Ultrafast All-Optical Switching of Germanium-Based Flexible Metaphotonic Devices. <i>Advanced Materials</i> , 2018, 30, 1705331.	21.0	111
11	Active control and switching of broadband electromagnetically induced transparency in symmetric metadevices. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	107
12	Ultrahigh-Q Fano Resonances in Terahertz Metasurfaces: Strong Influence of Metallic Conductivity at Extremely Low Asymmetry. <i>Advanced Optical Materials</i> , 2016, 4, 457-463.	7.3	106
13	Dual-surface flexible THz Fano metasensor. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	99
14	Extended Bound States in the Continuum with Symmetry-Broken Terahertz Dielectric Metasurfaces. <i>Advanced Optical Materials</i> , 2021, 9, 2002001.	7.3	99
15	Lattice-induced transparency in planar metamaterials. <i>Physical Review B</i> , 2016, 94, .	3.2	95
16	Excitons in 2D perovskites for ultrafast terahertz photonic devices. <i>Science Advances</i> , 2020, 6, eaax8821.	10.3	95
17	Perovskite as a Platform for Active Flexible Metaphotonic Devices. <i>ACS Photonics</i> , 2017, 4, 1595-1601.	6.6	86
18	A Superconducting Dual-Channel Photonic Switch. <i>Advanced Materials</i> , 2018, 30, e1801257.	21.0	86

#	ARTICLE	IF	CITATIONS
19	Accessing the High-Q Dark Plasmonic Fano Resonances in Superconductor Metasurfaces. <i>Advanced Optical Materials</i> , 2016, 4, 1875-1881.	7.3	58
20	Mie-Resonant Membrane Huygens' Metasurfaces. <i>Advanced Functional Materials</i> , 2020, 30, 1906851.	14.9	52
21	Lattice induced strong coupling and line narrowing of split resonances in metamaterials. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	46
22	Guided-Mode Resonances in All-Dielectric Terahertz Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 1900959.	7.3	43
23	Magnetic annihilation of the dark mode in a strongly coupled bright-dark terahertz metamaterial. <i>Optics Letters</i> , 2017, 42, 2106.	3.3	37
24	Near-Field Inductive Coupling Induced Polarization Control in Metasurfaces. <i>Advanced Optical Materials</i> , 2016, 4, 848-852.	7.3	35
25	Tailoring the multipoles in THz toroidal metamaterials. <i>Applied Physics Letters</i> , 2017, 111, .	3.3	34
26	Toroidal and magnetic Fano resonances in planar THz metamaterials. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	34
27	Dynamic Color Generation with Electrically Tunable Thin Film Optical Coatings. <i>Nano Letters</i> , 2021, 21, 10070-10075.	9.1	33
28	A Metamaterial Analog of the Ising Model. <i>Advanced Materials</i> , 2018, 30, e1804210.	21.0	31
29	Inter and intra-metamolecular interaction enabled broadband high-efficiency polarization control in metasurfaces. <i>Applied Physics Letters</i> , 2016, 108, .	3.3	27
30	Polarization-Sensitive Dielectric Membrane Metasurfaces. <i>Advanced Optical Materials</i> , 2020, 8, 2000555.	7.3	24
31	Impact of conductivity on Lorentzian and Fano resonant high-Q THz metamaterials: Superconductor, metal and perfect electric conductor. <i>Journal of Applied Physics</i> , 2017, 122, .	2.5	23
32	Color-Sensitive Ultrafast Optical Modulation and Switching of Terahertz Plasmonic Devices. <i>Advanced Optical Materials</i> , 2018, 6, 1800030.	7.3	22
33	Photoswitchable Anapole Metasurfaces. <i>Advanced Optical Materials</i> , 2022, 10, .	7.3	14
34	Modulating Fundamental Resonance in Capacitive Coupled Asymmetric Terahertz Metamaterials. <i>Scientific Reports</i> , 2018, 8, 16773.	3.3	12
35	Dynamic properties of high-Tc superconducting nano-junctions made with a focused helium ion beam. <i>Scientific Reports</i> , 2020, 10, 10256.	3.3	12
36	Tailoring the Fano resonances in terahertz metamaterials. , 2016, , .		0

#	ARTICLE	IF	CITATIONS
37	Superconductor Terahertz Photonics. , 2019, , .		0
38	Extremely Low threshold Optical Switching and Modulation of Ion-irradiated High-Tc Superconducting Metamaterial. , 2019, , .		0
39	Spin induced toroidal dipole in terahertz metasurfaces. , 2017, , .		0
40	Active high-Q dielectric terahertz supercavities. , 2018, , .		0
41	Giant Kinetic Inductance in High-TC Superconductor Based Terahertz Metacavities. , 2020, , .		0