

Hui Ye

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

1,013
citations

623734

14
h-index

552781

26
g-index

28
all docs

28
docs citations

28
times ranked

1388
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrating two epsilon-near-zero materials into planar multilayer metamaterial structure for broadband near-perfect mid-IR absorption. <i>Optical Materials Express</i> , 2022, 12, 1374.	3.0	3
2	High-bandwidth Si/In ₂ O ₃ hybrid plasmonic waveguide modulator. <i>APL Photonics</i> , 2022, 7, .	5.7	10
3	Permittivity acquisition of plasmonic materials at epsilon near zero wavelengths. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	7
4	Etching damage induced performance degradation in spin transfer torque magnetic random access memory fabrication. <i>Journal of Vacuum Science and Technology B: Nanotechnology and Microelectronics</i> , 2021, 39, 052210.	1.2	1
5	Sub-bandgap light absorption enhancement in germanium films through Berreman mode weak coupling to a microcavity mode. <i>Optics Express</i> , 2021, 29, 44189.	3.4	2
6	Effect of Thickness on the Optical and Electrical Properties of ITO/Au/ITO Sandwich Structures. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 13437-13446.	8.0	17
7	Direct Observations of Surface Plasmon Polaritons in Highly Conductive Organic Thin Film. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 39132-39142.	8.0	10
8	CMOS-Compatible Antimony-Doped Germanium Epilayers for Mid-Infrared Low-Loss High-Plasma-Frequency Plasmonics. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19647-19653.	8.0	9
9	Transparent Conductive Oxides and Their Applications in Near Infrared Plasmonics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2019, 216, 1700794.	1.8	41
10	Study on epsilon crossover wavelength tuning of heavily doped germanium-on-silicon in mid-infrared range. <i>Optics Express</i> , 2019, 27, 33724.	3.4	8
11	Large optical nonlinearity of ITO/Ag/ITO sandwiches based on Z-scan measurement. <i>Optics Letters</i> , 2019, 44, 2490.	3.3	23
12	Tunable near-infrared epsilon-near-zero and plasmonic properties of Ag-ITO co-sputtered composite films. <i>Science and Technology of Advanced Materials</i> , 2018, 19, 174-184.	6.1	16
13	Plasmonic-enhanced targeted nanohealing of metallic nanostructures. <i>Applied Physics Letters</i> , 2018, 112, .	3.3	14
14	Optimization of hetero-epitaxial growth for the threading dislocation density reduction of germanium epilayers. <i>Journal of Crystal Growth</i> , 2018, 488, 8-15.	1.5	10
15	Tip-Enhanced Photoinduced Electron Transfer and Ionization on Vertical Silicon Nanowires. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14389-14398.	8.0	39
16	ITO/TiN/ITO Sandwiches for Near-Infrared Plasmonic Materials. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 14886-14893.	8.0	30
17	Optical constants acquisition and phase change properties of Ge ₂ Sb ₂ Te ₅ thin films based on spectroscopy. <i>RSC Advances</i> , 2018, 8, 21040-21046.	3.6	48
18	Broadband optical absorption based on single-sized metal-dielectric-metal plasmonic nanostructures with high- ϵ^3 metals. <i>Applied Physics Letters</i> , 2017, 110, .	3.3	128

#	ARTICLE	IF	CITATIONS
19	Fabrication and optimization of ITO-Ag co-sputtered nanocomposite films as plasmonic materials in the near-infrared region. , 2017, , .		1
20	Plasmonic computing of spatial differentiation. Nature Communications, 2017, 8, 15391.	12.8	292
21	Spatially and Spectrally Resolved Narrowband Optical Absorber Based on 2D Grating Nanostructures on Metallic Films. Advanced Optical Materials, 2016, 4, 480-486.	7.3	94
22	Pulsed laser deposited indium tin oxides as alternatives to noble metals in the near-infrared region. Journal of Physics Condensed Matter, 2016, 28, 224009.	1.8	23
23	Transmission enhancement based on strong interference in metal-semiconductor layered film for energy harvesting. Scientific Reports, 2016, 6, 29195.	3.3	14
24	Narrowband Absorbers: Spatially and Spectrally Resolved Narrowband Optical Absorber Based on 2D Grating Nanostructures on Metallic Films (Advanced Optical Materials 3/2016). Advanced Optical Materials, 2016, 4, 488-488.	7.3	1
25	Germanium epitaxy on silicon. Science and Technology of Advanced Materials, 2014, 15, 024601.	6.1	97
26	Simulation for plasmonic light-emission enhancement with metal nanoparticles in visible range and near-infrared range. , 2014, , .		0
27	ITO/Au/ITO Sandwich Structure for Near-Infrared Plasmonics. ACS Applied Materials & Interfaces, 2014, 6, 15743-15752.	8.0	58
28	Heteroepitaxy of Ge on Si(001) with pits and windows transferred from free-standing porous alumina mask. Nanotechnology, 2013, 24, 185302.	2.6	17