

Jongbum Kim

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

1,435
citations

759233

12
h-index

1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

2220
citing authors

#	ARTICLE	IF	CITATIONS
1	Measuring the effect of electrostatic patch potentials in Casimir force experiments. <i>Physical Review Research</i> , 2020, 2, .	3.6	17
2	Surface plasmon assisted control of hot-electron relaxation time. <i>Optica</i> , 2020, 7, 608.	9.3	11
3	Optoelectronic Devices on Index-near-Zero Substrates. <i>ACS Photonics</i> , 2019, 6, 2238-2244.	6.6	15
4	Near-perfect absorption throughout the visible using ultra-thin metal films on index-near-zero substrates [Invited]. <i>Optical Materials Express</i> , 2019, 9, 330.	3.0	22
5	Interfacial Defect-Mediated Near-Infrared Silicon Photodetection with Metal Oxides. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 47516-47524.	8.0	4
6	Dynamic Control of Nanocavities with Tunable Metal Oxides. <i>Nano Letters</i> , 2018, 18, 740-746.	9.1	48
7	Ultrathin and multicolour optical cavities with embedded metasurfaces. <i>Nature Communications</i> , 2018, 9, 2673.	12.8	97
8	Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide. <i>Advanced Optical Materials</i> , 2017, 5, 1600717.	7.3	42
9	Plasmonics: Plasmonic Titanium Nitride Nanostructures via Nitridation of Nanopatterned Titanium Dioxide (<i>Advanced Optical Materials</i> 7/2017). <i>Advanced Optical Materials</i> , 2017, 5, .	7.3	0
10	Evolution of Metallicity in Vanadium Dioxide by Creation of Oxygen Vacancies. <i>Physical Review Applied</i> , 2017, 7, .	3.8	88
11	Role of epsilon-near-zero substrates in the optical response of plasmonic antennas. <i>Optica</i> , 2016, 3, 339.	9.3	162
12	Ultrabroadband terahertz characterization of highly doped ZnO and ITO. , 2015, , .		0
13	Zinc Oxide Based Plasmonic Multilayer Resonator: Localized and Gap Surface Plasmon in the Infrared. <i>ACS Photonics</i> , 2015, 2, 1224-1230.	6.6	45
14	Optical Properties of Gallium-Doped Zinc Oxide—A Low-Loss Plasmonic Material: First-Principles Theory and Experiment. <i>Physical Review X</i> , 2013, 3, .	8.9	53
15	Plasmonic Resonances in Nanostructured Transparent Conducting Oxide Films. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2013, 19, 4601907-4601907.	2.9	87
16	Oxides and nitrides as alternative plasmonic materials in the optical range [Invited]. <i>Optical Materials Express</i> , 2011, 1, 1090.	3.0	744