

Jongbum Kim

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5226724/publications.pdf>

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