

Zhiyu Wang

List of Publications by Year in descending order

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311
citing authors

#	ARTICLE	IF	CITATIONS
1	Narrowband Thermal Emission Realized through the Coupling of Cavity and Tamm Plasmon Resonances. ACS Photonics, 2018, 5, 2446-2452.	6.6	74
2	Ultranarrow and Wavelength-Tunable Thermal Emission in a Hybrid Metal-Optical Tamm State Structure. ACS Photonics, 2020, 7, 1569-1576.	6.6	47
3	Hot-electron photodetector with wavelength selectivity in near-infrared Tamm plasmon. Nanoscale, 2019, 11, 17407-17414.	5.6	33
4	Plasmonic Hot-Carriers in Channel-Coupled Nanogap Structure for Metal-Semiconductor Barrier Modulation and Spectral-Selective Plasmonic Monitoring. ACS Photonics, 2018, 5, 2617-2623.	6.6	22
5	Narrowband thermal emission from Tamm plasmons of a modified distributed Bragg reflector. Applied Physics Letters, 2018, 113, .	3.3	20
6	High-Q and Tailorable Fano Resonances in a One-Dimensional Metal-Optical Tamm State Structure: From a Narrowband Perfect Absorber to a Narrowband Perfect Reflector. Advanced Functional Materials, 2021, 31, 2102183.	14.9	18
7	Two-pair multilayer Bloch surface wave platform in the near- and mid-infrared regions. Applied Physics Letters, 2019, 115, 091102.	3.3	17
8	Plasmonic nanochannel structure for narrow-band selective thermal emitter. Applied Physics Letters, 2017, 110, .	3.3	12
9	Photoelectrochemical water oxidation performance promoted by a cupric oxide-hematite heterojunction photoanode. International Journal of Hydrogen Energy, 2020, 45, 33102-33110.	7.1	7
10	Lithographic in-mold patterning for CsPbBr ₃ nanocrystals distributed Bragg reflector single-mode laser. Nanoscale, 2021, 13, 15830-15836.	5.6	6
11	Self-Patterned CsPbBr ₃ Nanocrystal Based Plasmonic Hot-Carrier Photodetector at Telecommunications Wavelengths. Advanced Optical Materials, 2021, 9, 2101474.	7.3	5
12	Plasmonic tooth-multilayer structure with high enhancement field for surface enhanced Raman spectroscopy. Nanotechnology, 2017, 28, 125206.	2.6	3
13	Optimized Tamm-plasmon structure by Differential Evolution algorithm for single and dual peaks hot-electron photodetection. Optical Materials, 2021, 113, 110857.	3.6	2
14	Self-Patterned CsPbBr ₃ Nanocrystal Based Plasmonic Hot-Carrier Photodetector at Telecommunications Wavelengths (Advanced Optical Materials 24/2021). Advanced Optical Materials, 2021, 9, .	7.3	1
15	Angular dependent optical wavelength selection in hybrid cavity-channel structure by coupled plasmon resonance. , 2016, , .		0
16	Narrow-band plasmonic thermal emitter using plasmonic nanochannel structure. , 2017, , .		0