

Wei-Chen Tu

List of Publications by Year in descending order

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papers

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docs citations

34
times ranked

954
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanometer-thick copper films with low resistivity grown on 2D material surfaces. <i>Scientific Reports</i> , 2022, 12, 1823.	3.3	5
2	Low-Power Photodetectors Based on PVA-Modified Reduced Graphene Oxide Hybrid Solutions. <i>Macromolecular Rapid Communications</i> , 2022, 43, e2100854.	3.9	6
3	Semi-transparent reduced graphene oxide photodetectors for ultra-low power operation. <i>Optics Express</i> , 2021, 29, 14208.	3.4	11
4	Stimulated Chiral Light-Matter Interactions in Biological Microlasers. <i>ACS Nano</i> , 2021, 15, 8965-8975.	14.6	22
5	Programmable Rainbow-Colored Optofluidic Fiber Laser Encoded with Topologically Structured Chiral Droplets. <i>ACS Nano</i> , 2021, 15, 11126-11136.	14.6	24
6	High-performance solution-processed flexible Cu ₂ O photodetector via UV-irradiation. <i>Optik</i> , 2021, 247, 167949.	2.9	15
7	Camphor-Based CVD Bilayer Graphene/Si Heterostructures for Self-Powered and Broadband Photodetection. <i>Micromachines</i> , 2020, 11, 812.	2.9	8
8	Large-area reduced graphene oxide photodetectors for low-light intensity and low-driving voltage operation. , 2020, , .		0
9	Low-Power, Large-Area and High-Performance CdSe Quantum Dots/Reduced Graphene Oxide Photodetectors. <i>IEEE Access</i> , 2020, 8, 95855-95863.	4.2	8
10	Real-time Image Contrast Enhancement VLSI Design for Intelligent Autonomous Vehicles. <i>Journal of Imaging Science and Technology</i> , 2020, 64, 010504-1-010504-11.	0.5	1
11	Enhanced Biophotocurrent Generation in Living Photosynthetic Optical Resonator. <i>Advanced Science</i> , 2020, 7, 1903707.	11.2	16
12	Fabrication of flexible indium tin oxide-free polymer solar cells with silver nanowire transparent electrode. <i>Japanese Journal of Applied Physics</i> , 2018, 57, 03DD01.	1.5	7
13	Well-aligned Vertically Oriented ZnO Nanorod Arrays and their Application in Inverted Small Molecule Solar Cells. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	4
14	A Design Based on a Charge-Transfer Bilayer as an Electron Transport Layer for Improving the Performance and Stability in Planar Perovskite Solar Cells. <i>Journal of Physical Chemistry C</i> , 2018, 122, 236-244.	3.1	50
15	White-Light Photosensors Based on Ag Nanoparticle-Reduced Graphene Oxide Hybrid Materials. <i>Micromachines</i> , 2018, 9, 655.	2.9	12
16	Improved Performance of All Solution-Processed Graphene Photodetectors via Plasmonic Nanoparticles. <i>IEEE Photonics Technology Letters</i> , 2017, 29, 423-426.	2.5	6
17	Fabrication and Analysis of Chemically-Derived Graphene/Pyramidal Si Heterojunction Solar Cells. <i>Scientific Reports</i> , 2017, 7, 46478.	3.3	16
18	Enhanced performance of reduced graphene oxide photodetectors by Ag nanoparticles. , 2017, , .		0

#	ARTICLE	IF	CITATIONS
19	Improved Efficiency of Structured Si Solar Cells via Graphene Hybrid Materials as Top Electrodes. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 853-856.	0.5	1
20	Flexible Indium Tin Oxide-Free Polymer Solar Cells with Silver Nanowire Electrodes. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 839-843.	0.5	3
21	Surface Plasmon Resonance of Graphene/Ag Nanoparticles and Reduced Graphene Oxide/Ag Nanoparticles Hybrid Films. Journal of Nanoelectronics and Optoelectronics, 2017, 12, 868-871.	0.5	1
22	Enhance the light-harvesting capability of the ITO-free inverted small molecule solar cell by ZnO nanorods. Optics Express, 2016, 24, 17910.	3.4	10
23	Efficiency enhancement of pyramidal Si solar cells with reduced graphene oxide hybrid electrodes. Journal Physics D: Applied Physics, 2016, 49, 49LT02.	2.8	6
24	Design and Fabrication of Nano-Structure for Three-Dimensional Display Application. IEEE Photonics Technology Letters, 2016, 28, 884-886.	2.5	5
25	Efficiency Enhancement of Silicon Heterojunction Solar Cells via Photon Management Using Graphene Quantum Dot as Downconverters. Nano Letters, 2016, 16, 309-313.	9.1	115
26	Fabrication of cuprous chloride films on copper substrate by chemical bath deposition. Thin Solid Films, 2015, 591, 43-48.	1.8	5
27	Theoretical and Experimental Investigation of Enhanced Surface Plasmon Resonance on Ag Hierarchical Structures. Materials Focus, 2015, 4, 219-222.	0.4	0
28	Toward Efficient and Omnidirectional n-Type Si Solar Cells: Concurrent Improvement in Optical and Electrical Characteristics by Employing Microscale Hierarchical Structures. ACS Nano, 2014, 8, 2959-2969.	14.6	52
29	Worldwide outdoor round robin study of organic photovoltaic devices and modules. Solar Energy Materials and Solar Cells, 2014, 130, 281-290.	6.2	23
30	Chlorine-Doped n-Type Cuprous Oxide Films Fabricated by Chemical Bath Deposition. Journal of the Electrochemical Society, 2014, 161, D321-D326.	2.9	15
31	Improved light scattering and surface plasmon tuning in amorphous silicon solar cells by double-walled carbon nanotubes. Solar Energy Materials and Solar Cells, 2012, 101, 200-203.	6.2	13
32	Improved light scattering in amorphous silicon solar cell by double-walled carbon nanotubes. , 2011, ,		1
33	Hydrogenated amorphous silicon solar cell on glass substrate patterned by hexagonal nanocylinder array. Applied Physics Letters, 2010, 97, 193109.	3.3	21