Katarzyna Kluczyk

List of Publications by Year
in descending order

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19 papers	224 citations	1306789 7 h-index	996533 15 g-index
20 all docs	20 docs citations	20 times ranked	222 citing authors

#	Article	IF	Citations
1	Metallization of solar cells, exciton channel of plasmon photovoltaic effect in perovskite cells. Nano Energy, 2020, 75, 104751.	8.2	49
2	On Modeling of Plasmon-Induced Enhancement of the Efficiency of Solar Cells Modified by Metallic Nano-Particles. Nanomaterials, 2019, 9, 3.	1.9	32
3	Damping-induced size effect in surface plasmon resonance in metallic nano-particles: Comparison of RPA microscopic model with numerical finite element simulation (COMSOL) and Mie approach. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 168, 78-88.	1.1	25
4	Microscopic Electron Dynamics in Metal Nanoparticles for Photovoltaic Systems. Materials, 2018, 11, 1077.	1.3	25
5	On quantum approach to modeling of plasmon photovoltaic effect. Journal of the Optical Society of America B: Optical Physics, 2017, 34, 2115.	0.9	23
6	Nano illumination microscopy: a technique based on scanning with an array of individually addressable nanoLEDs. Optics Express, 2020, 28, 19044.	1.7	18
7	Optical design of InGaN/GaN nanoLED arrays on a chip: toward: highly resolved illumination. Nanotechnology, 2021, 32, 105203.	1.3	16
8	Size Effect in Plasmon Resonance of Metallic Nanoparticles: RPA versus COMSOL. Acta Physica Polonica A, 2016, 129, A-83-A-86.	0.2	7
9	Multiscale in modelling and validation for solar photovoltaics. EPJ Photovoltaics, 2018, 9, 10.	0.8	6
10	Application of Coreâ€“Shell Metallic Nanoparticles in Hybridized Perovskite Solar Cellâ€”Various Channels of Plasmon Photovoltaic Effect. Materials, 2019, 12, 3192.	1.3	5
11	Fabrication and photosensitivity of structures based on CdS:Au nano-particles nanocomposite. Journal of Alloys and Compounds, 2018, 746, 471-476.	2.8	4
12	Mode Splitting Induced by Mesoscopic Electron Dynamics in Strongly Coupled Metal Nanoparticles on Dielectric Substrates. Nanomaterials, 2019, 9, 1206.	1.9	4
13	Pursuing the Diffraction Limit with Nano-LED Scanning Transmission Optical Microscopy. Sensors, 2021, 21, 3305.	2.1	4
14	Individually Switchable InGaN/GaN Nano-LED Arrays as Highly Resolved Illumination Engines. Electronics (Switzerland), 2021, 10, 1829.	1.8	4
15	A Novel Approach for a Chip-Sized Scanning Optical Microscope. Micromachines, 2021, 12, 527.	1.4	1
16	Optical resolution of light engine based on InGaN/GaN nanoLED arrays: toward a superresolved light source. , 2020, , .		0
17	ChipScope Symposium: Novel Approaches for a Chip-Sized Optical Microscope. Proceedings (mdpi), 2020, 56, 5.	0.2	0
18	Absorption Enhancement in Si Solar Cells by Incorporation of Metallic Nanoparticles: Improved COMSOL Numerical Study Including Quantum Corrections. Acta Physica Polonica A, 2017, 132, 393-397.	0.2	0

#	Article	IF	Citations
19	Instrumentation for Nano-Illumination Microscopy Based on InGaN/GaN NanoLED Arrays. , 2020, , .		0