

Lionel Aigouy

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

586
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759233

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docs citations

23
times ranked

1112
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasmonic-enhanced perovskite-graphene hybrid photodetectors. <i>Nanoscale</i> , 2016, 8, 7377-7383.	5.6	144
2	Scanning thermal imaging by near-field fluorescence spectroscopy. <i>Nanotechnology</i> , 2009, 20, 115703.	2.6	102
3	Parallel Collective Resonances in Arrays of Gold Nanorods. <i>Nano Letters</i> , 2014, 14, 2079-2085.	9.1	61
4	TiO ₂ Nanocolumn Arrays for More Efficient and Stable Perovskite Solar Cells. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 5979-5989.	8.0	36
5	Microscopic Evidence of Upconversion-Induced Near-Infrared Light Harvest in Hybrid Perovskite Solar Cells. <i>ACS Applied Energy Materials</i> , 2018, 1, 3537-3543.	5.1	35
6	Tuning Temperature and Size of Hot Spots and Hot Spot Arrays. <i>Small</i> , 2011, 7, 259-264.	10.0	30
7	Fabrication and characterization of fluorescent rare-earth-doped glass-particle-based tips for near-field optical imaging applications. <i>Applied Optics</i> , 2004, 43, 3829.	2.1	23
8	Note: A scanning thermal probe microscope that operates in liquids. <i>Review of Scientific Instruments</i> , 2011, 82, 036106.	1.3	23
9	Flexible and wearable plasmonic-enabled organic/inorganic hybrid photothermoelectric generators. <i>Materials Today Energy</i> , 2021, 22, 100859.	4.7	20
10	Optical quasicylindrical waves at dielectric interfaces. <i>Physical Review B</i> , 2011, 83, .	3.2	17
11	Comparison of test images obtained from various configurations of scanning near-field optical microscopes. <i>Applied Optics</i> , 2003, 42, 691.	2.1	16
12	Short-Wave Infrared Sensor by the Photothermal Effect of Colloidal Gold Nanorods. <i>Small</i> , 2018, 14, e1704013.	10.0	16
13	Heavy-Metal-Free Flexible Hybrid Polymer-Nanocrystal Photodetectors Sensitive to 1.5 μ m Wavelength. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 42571-42579.	8.0	12
14	Scanning thermal imaging of an electrically excited aluminum microstripe. <i>Journal of Applied Physics</i> , 2007, 102, 024305.	2.5	9
15	Near-field scattered by a single nanoslit in a metal film. <i>Applied Optics</i> , 2007, 46, 8573.	2.1	9
16	Long-Term Stable Near-Infrared Short-Wave-Infrared Photodetector Driven by the Photothermal Effect of Polypyrrole Nanostructures. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 45957-45965.	8.0	9
17	Mapping plasmon-enhanced upconversion fluorescence of Er/Yb-doped nanocrystals near gold nanodisks. <i>Nanoscale</i> , 2019, 11, 10365-10371.	5.6	8
18	Hybrid plasmonic gold-nanorod-platinum short-wave infrared photodetectors with fast response. <i>Nanoscale</i> , 2019, 11, 18124-18131.	5.6	7

#	ARTICLE	IF	CITATIONS
19	Plasmon Coupled Colloidal Gold Nanorods for Near-Infrared and Short-Wave-Infrared Broadband Photodetection. <i>Advanced Materials Technologies</i> , 2022, 7, .	5.8	4
20	Thermal conductivity and diffusivity of triple-cation perovskite halide materials for solar cells. <i>Journal of Applied Physics</i> , 2020, 127, .	2.5	3
21	Luminescence enhancement effects on nanostructured perovskite thin films for Er/Yb-doped solar cells. <i>Nanoscale Advances</i> , 2022, 4, 1786-1792.	4.6	2
22	Near-field optical characterization of interacting and non-interacting gold nanoparticles embedded in a silica thin film. <i>Optics Communications</i> , 2011, 284, 3118-3123.	2.1	0
23	Direct imaging of fluorescence enhancement in the gap between two gold nanodisks. <i>Applied Physics Letters</i> , 2021, 118, 161105.	3.3	0