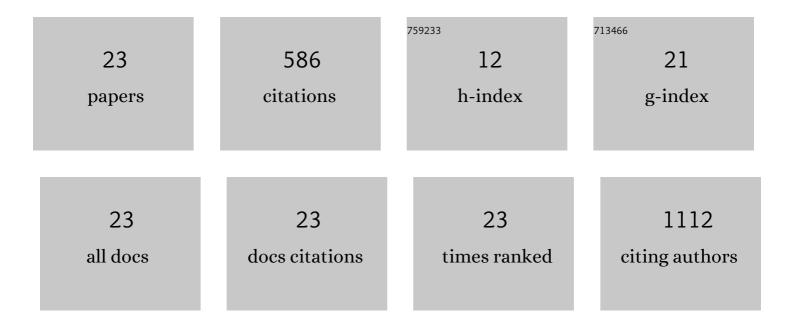
## Lionel Aigouy

List of Publications by Year in descending order

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LIONEL ALCOUX

#	Article	IF	CITATIONS
1	Plasmon Coupled Colloidal Gold Nanorods for Nearâ€Infrared and Shortâ€Waveâ€Infrared Broadband Photodetection. Advanced Materials Technologies, 2022, 7, .	5.8	4
2	Luminescence enhancement effects on nanostructured perovskite thin films for Er/Yb-doped solar cells. Nanoscale Advances, 2022, 4, 1786-1792.	4.6	2
3	Direct imaging of fluorescence enhancement in the gap between two gold nanodisks. Applied Physics Letters, 2021, 118, 161105.	3.3	0
4	Long-Term Stable Near-Infrared–Short-Wave-Infrared Photodetector Driven by the Photothermal Effect of Polypyrrole Nanostructures. ACS Applied Materials & Interfaces, 2021, 13, 45957-45965.	8.0	9
5	Flexible and wearable plasmonic-enabled organic/inorganic hybrid photothermoelectric generators. Materials Today Energy, 2021, 22, 100859.	4.7	20
6	Thermal conductivity and diffusivity of triple-cation perovskite halide materials for solar cells. Journal of Applied Physics, 2020, 127, .	2.5	3
7	TiO <sub>2</sub> Nanocolumn Arrays for More Efficient and Stable Perovskite Solar Cells. ACS Applied Materials & Interfaces, 2020, 12, 5979-5989.	8.0	36
8	Heavy-Metal-Free Flexible Hybrid Polymer-Nanocrystal Photodetectors Sensitive to 1.5 μm Wavelength. ACS Applied Materials & Interfaces, 2019, 11, 42571-42579.	8.0	12
9	Hybrid plasmonic gold-nanorod–platinum short-wave infrared photodetectors with fast response. Nanoscale, 2019, 11, 18124-18131.	5.6	7
10	Mapping plasmon-enhanced upconversion fluorescence of Er/Yb-doped nanocrystals near gold nanocrystals near gold	5.6	8
11	Shortâ€Wave Infrared Sensor by the Photothermal Effect of Colloidal Gold Nanorods. Small, 2018, 14, e1704013.	10.0	16
12	Microscopic Evidence of Upconversion-Induced Near-Infrared Light Harvest in Hybrid Perovskite Solar Cells. ACS Applied Energy Materials, 2018, 1, 3537-3543.	5.1	35
13	Plasmonic-enhanced perovskite–graphene hybrid photodetectors. Nanoscale, 2016, 8, 7377-7383.	5.6	144
14	Parallel Collective Resonances in Arrays of Gold Nanorods. Nano Letters, 2014, 14, 2079-2085.	9.1	61
15	Tuning Temperature and Size of Hot Spots and Hotâ€Spot Arrays. Small, 2011, 7, 259-264.	10.0	30
16	Near-field optical characterization of interacting and non-interacting gold nanoparticles embedded in a silica thin film. Optics Communications, 2011, 284, 3118-3123.	2.1	0
17	Note: A scanning thermal probe microscope that operates in liquids. Review of Scientific Instruments, 2011, 82, 036106.	1.3	23
18	Optical quasicylindrical waves at dielectric interfaces. Physical Review B, 2011, 83, .	3.2	17

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#	Article	IF	CITATIONS
19	Scanning thermal imaging by near-field fluorescence spectroscopy. Nanotechnology, 2009, 20, 115703.	2.6	102
20	Scanning thermal imaging of an electrically excited aluminum microstripe. Journal of Applied Physics, 2007, 102, 024305.	2.5	9
21	Near-field scattered by a single nanoslit in a metal film. Applied Optics, 2007, 46, 8573.	2.1	9
22	Fabrication and characterization of fluorescent rare-earth-doped glass-particle-based tips for near-field optical imaging applications. Applied Optics, 2004, 43, 3829.	2.1	23
23	Comparison of test images obtained from various configurations of scanning near-field optical microscopes. Applied Optics, 2003, 42, 691.	2.1	16