

Julien Proust

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,059
citations

623734

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h-index

677142

22
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24
all docs

24
docs citations

24
times ranked

1658
citing authors

#	ARTICLE	IF	CITATIONS
1	All-Dielectric Colored Metasurfaces with Silicon Mie Resonators. ACS Nano, 2016, 10, 7761-7767.	14.6	265
2	All-Dielectric Silicon Nanogap Antennas To Enhance the Fluorescence of Single Molecules. Nano Letters, 2016, 16, 5143-5151.	9.1	197
3	High-Resolution Imaging and Spectroscopy of Multipolar Plasmonic Resonances in Aluminum Nanoantennas. Nano Letters, 2014, 14, 5517-5523.	9.1	101
4	Localized surface plasmon resonances in the ultraviolet from large scale nanostructured aluminum films. Optical Materials Express, 2013, 3, 954.	3.0	80
5	Plasmonic Breathing and Edge Modes in Aluminum Nanotriangles. ACS Photonics, 2017, 4, 1257-1263.	6.6	76
6	Enhancement and Inhibition of Spontaneous Photon Emission by Resonant Silicon Nanoantennas. Physical Review Applied, 2016, 6, .	3.8	65
7	Enhancing LSPR Sensitivity of Au Gratings through Graphene Coupling to Au Film. Plasmonics, 2014, 9, 507-512.	3.4	44
8	Large-Scale and Low-Cost Fabrication of Silicon Mie Resonators. ACS Nano, 2019, 13, 4199-4208.	14.6	35
9	Reduction of Plasmon Damping in Aluminum Nanoparticles with Rapid Thermal Annealing. Journal of Physical Chemistry C, 2017, 121, 7429-7434.	3.1	30
10	Optimized 2D array of thin silicon pillars for efficient antireflective coatings in the visible spectrum. Scientific Reports, 2016, 6, 24947.	3.3	28
11	Intense Bessel-like beams arising from pyramid-shaped microtips. Optics Letters, 2012, 37, 1274.	3.3	25
12	Self-assembly of metallic nanoparticles into plasmonic rings. Applied Physics Letters, 2011, 99, .	3.3	24
13	Chemical Alkaline Etching of Silicon Mie Particles. Advanced Optical Materials, 2015, 3, 1280-1286.	7.3	19
14	Optical Monitoring of the Magnetoelectric Coupling in Individual Plasmonic Scatterers. ACS Photonics, 2016, 3, 1581-1588.	6.6	16
15	Hybridization and Dehybridization of Plasmonic Modes. Journal of Physical Chemistry C, 2021, 125, 724-731.	3.1	14
16	Direct functionalization of an optical fiber by a plasmonic nanosensor. Optics Letters, 2011, 36, 2919.	3.3	12
17	Synthesis of metallic nanoparticles for heterogeneous catalysis: Application to the Direct Borohydride Fuel Cell. Applied Catalysis A: General, 2021, 618, 118117.	4.3	9
18	Detecting a Zeptogram of Pyridine with a Hybrid Plasmonicâ€“Photonic Nanosensor. ACS Sensors, 2019, 4, 586-594.	7.8	7

#	ARTICLE	IF	CITATIONS
19	Colloidal Synthesis of Crystalline Aluminum Nanoparticles for UV Plasmonics. ACS Photonics, 2022, 9, 880-887.	6.6	6
20	Si@Au Core-Shell Nanostructures: Toward a New Platform for Controlling Optical Properties at the Nanoscale. Journal of Physical Chemistry C, 2021, 125, 20606-20616.	3.1	4
21	Ultra-sensitive plasmonic nanosensors for biochemical detection. Proceedings of SPIE, 2011, , .	0.8	1
22	Theoretical Analysis of the Optical Response of Silicon/Silica/Gold Multishell Nanoparticles in Biological Tissue. Advances in Materials Science and Engineering, 2019, 2019, 1-12.	1.8	1
23	Self-assembled plasmonic nanorings. , 2012, , .		0
24	Aluminum nanostructures for ultraviolet plasmonics. , 2017, , .		0