

Julien Proust

List of Publications by Year in descending order

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24
papers

1,059
citations

623734

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677142

22
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24
all docs

24
docs citations

24
times ranked

1658
citing authors

#	ARTICLE	IF	CITATIONS
1	Colloidal Synthesis of Crystalline Aluminum Nanoparticles for UV Plasmonics. ACS Photonics, 2022, 9, 880-887.	6.6	6
2	Synthesis of metallic nanoparticles for heterogeneous catalysis: Application to the Direct Borohydride Fuel Cell. Applied Catalysis A: General, 2021, 618, 118117.	4.3	9
3	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
4	Hybridization and Dehybridization of Plasmonic Modes. Journal of Physical Chemistry C, 2021, 125, 724-731.	3.1	14
5	Large-Scale and Low-Cost Fabrication of Silicon Mie Resonators. ACS Nano, 2019, 13, 4199-4208.	14.6	35
6	Detecting a Zeptogram of Pyridine with a Hybrid Plasmonic-Photonic Nanosensor. ACS Sensors, 2019, 4, 586-594.	7.8	7
7	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
8	Reduction of Plasmon Damping in Aluminum Nanoparticles with Rapid Thermal Annealing. Journal of Physical Chemistry C, 2017, 121, 7429-7434.	3.1	30
9	Plasmonic Breathing and Edge Modes in Aluminum Nanotriangles. ACS Photonics, 2017, 4, 1257-1263.	6.6	76
10	Aluminum nanostructures for ultraviolet plasmonics. , 2017, , .		0
11	Enhancement and Inhibition of Spontaneous Photon Emission by Resonant Silicon Nanoantennas. Physical Review Applied, 2016, 6, .	3.8	65
12	All-Dielectric Colored Metasurfaces with Silicon Mie Resonators. ACS Nano, 2016, 10, 7761-7767.	14.6	265
13	All-Dielectric Silicon Nanogap Antennas To Enhance the Fluorescence of Single Molecules. Nano Letters, 2016, 16, 5143-5151.	9.1	197
14	Optical Monitoring of the Magnetoelectric Coupling in Individual Plasmonic Scatterers. ACS Photonics, 2016, 3, 1581-1588.	6.6	16
15	Optimized 2D array of thin silicon pillars for efficient antireflective coatings in the visible spectrum. Scientific Reports, 2016, 6, 24947.	3.3	28
16	Chemical Alkaline Etching of Silicon Mie Particles. Advanced Optical Materials, 2015, 3, 1280-1286.	7.3	19
17	High-Resolution Imaging and Spectroscopy of Multipolar Plasmonic Resonances in Aluminum Nanoantennas. Nano Letters, 2014, 14, 5517-5523.	9.1	101
18	Enhancing LSPR Sensitivity of Au Gratings through Graphene Coupling to Au Film. Plasmonics, 2014, 9, 507-512.	3.4	44

#	ARTICLE	IF	CITATIONS
19	Localized surface plasmon resonances in the ultraviolet from large scale nanostructured aluminum films. <i>Optical Materials Express</i> , 2013, 3, 954.	3.0	80
20	Intense Bessel-like beams arising from pyramid-shaped microtips. <i>Optics Letters</i> , 2012, 37, 1274.	3.3	25
21	Self-assembled plasmonic nanorings. , 2012, , .		0
22	Direct functionalization of an optical fiber by a plasmonic nanosensor. <i>Optics Letters</i> , 2011, 36, 2919.	3.3	12
23	Self-assembly of metallic nanoparticles into plasmonic rings. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	24
24	Ultra-sensitive plasmonic nanosensors for biochemical detection. <i>Proceedings of SPIE</i> , 2011, , .	0.8	1