

Caroline Bonafos

List of Publications by Year in descending order

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14
papers

205
citations

1163117

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all docs

14
docs citations

14
times ranked

263
citing authors

#	ARTICLE	IF	CITATIONS
1	Infrared nanoplasmonic properties of hyperdoped embedded Si nanocrystals in the few electrons regime. <i>Nanophotonics</i> , 2022, 11, 3485-3493.	6.0	3
2	Hyper-Doped Silicon Nanoantennas and Metasurfaces for Tunable Infrared Plasmonics. <i>ACS Photonics</i> , 2021, 8, 1393-1399.	6.6	14
3	The 3D Design of Multifunctional Silver Nanoparticle Assemblies Embedded in Dielectrics. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 1900619.	1.8	2
4	Theory of plasmonic properties of hyper-doped silicon nanostructures. <i>Optics Communications</i> , 2019, 453, 124336.	2.1	8
5	Density Functional Theory Study of the Spontaneous Formation of Covalent Bonds at the Silver/Silica Interface in Silver Nanoparticles Embedded in SiO ₂ : Implications for Ag ⁺ Release. <i>ACS Applied Nano Materials</i> , 2019, 2, 5179-5189.	5.0	13
6	Detection of the conformational changes of Discosoma red fluorescent proteins adhered on silver nanoparticles-based nanocomposites via surface-enhanced Raman scattering. <i>Nanotechnology</i> , 2019, 30, 165101.	2.6	3
7	Ion beam synthesis of indium-oxide nanocrystals for improvement of oxide resistive random-access memories. <i>Materials Research Express</i> , 2018, 5, 015027.	1.6	2
8	Dielectric Engineering of Nanostructured Layers to Control the Transport of Injected Charges in Thin Dielectrics. <i>IEEE Nanotechnology Magazine</i> , 2016, 15, 839-848.	2.0	26
9	Physico-Chemical Characterization of the Interaction of Red Fluorescent Protein "DsRed" With Thin Silica Layers. <i>IEEE Transactions on Nanobioscience</i> , 2016, 15, 412-417.	3.3	4
10	Assessing bio-available silver released from silver nanoparticles embedded in silica layers using the green algae <i>Chlamydomonas reinhardtii</i> as bio-sensors. <i>Science of the Total Environment</i> , 2016, 565, 863-871.	8.0	28
11	Controlled synthesis of buried delta-layers of Ag nanocrystals for near-field plasmonic effects on free surfaces. <i>Journal of Applied Physics</i> , 2013, 113, 193505.	2.5	13
12	3D patterning of Ag nanoparticles by ULE ion implantation and stencil soft lithography for plasmonic device applications. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2012, 272, 214-217.	1.4	10
13	Three Dimensional Design of Silver Nanoparticle Assemblies Embedded in Dielectrics for Raman Spectroscopy Enhancement and Dark-Field Imaging. <i>ACS Nano</i> , 2011, 5, 8774-8782.	14.6	49
14	Stability of Ag nanocrystals synthesized by ultra-low energy ion implantation in SiO ₂ matrices. <i>Journal of Applied Physics</i> , 2011, 109, .	2.5	30