

# Caroline Bonafos

## List of Publications by Year in descending order

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14  
papers

205  
citations

1163117

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h-index

1058476

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docs citations

14  
times ranked

263  
citing authors

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