

Ãngela I Barreda

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

426
citations

687220

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h-index

940416

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g-index

19
all docs

19
docs citations

19
times ranked

362
citing authors

#	ARTICLE	IF	CITATIONS
1	High-Q Transparency Band in All-Dielectric Metasurfaces Induced by a Quasi Bound State in the Continuum. <i>Laser and Photonics Reviews</i> , 2021, 15, 2000263.	4.4	72
2	Continuous-wave frequency upconversion with a molecular optomechanical nanocavity. <i>Science</i> , 2021, 374, 1264-1267.	6.0	63
3	Size-tunable rhodium nanostructures for wavelength-tunable ultraviolet plasmonics. <i>Nanoscale Horizons</i> , 2016, 1, 75-80.	4.1	62
4	Electromagnetic polarization-controlled perfect switching effect with high-refractive-index dimers and the beam-splitter configuration. <i>Nature Communications</i> , 2017, 8, 13910.	5.8	32
5	Applications of Hybrid Metal-Dielectric Nanostructures: State of the Art. <i>Advanced Photonics Research</i> , 2022, 3, .	1.7	30
6	Hybrid photonic-plasmonic cavities based on the nanoparticle-on-a-mirror configuration. <i>Photonics Research</i> , 2021, 9, 2398.	3.4	24
7	Brewster quasi bound states in the continuum in all-dielectric metasurfaces from single magnetic-dipole resonance meta-atoms. <i>Scientific Reports</i> , 2019, 9, 16048.	1.6	22
8	Using linear polarization for sensing and sizing dielectric nanoparticles. <i>Optics Express</i> , 2015, 23, 9157.	1.7	20
9	Radiationless anapole states in on-chip photonics. <i>Light: Science and Applications</i> , 2021, 10, 204.	7.7	20
10	On the scattering directionality of a dielectric particle dimer of High Refractive Index. <i>Scientific Reports</i> , 2018, 8, 7976.	1.6	19
11	Light guiding and switching using eccentric core-shell geometries. <i>Scientific Reports</i> , 2017, 7, 11189.	1.6	18
12	Polarimetric response of magnetodielectric core-shell nanoparticles: an analysis of scattering directionality and sensing. <i>Nanotechnology</i> , 2016, 27, 234002.	1.3	16
13	Using linear polarization to monitor nanoparticle purity. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2015, 162, 190-196.	1.1	15
14	Broadband Unidirectional Forward Scattering with High Refractive Index Nanostructures: Application in Solar Cells. <i>Molecules</i> , 2021, 26, 4421.	1.7	4
15	Dispersive optomechanics of supercavity modes in high-index disks. <i>Optics Letters</i> , 2020, 45, 5238.	1.7	4
16	Investigation of dipole emission near a dielectric metasurface using a dual-tip scanning near-field optical microscope. <i>Nanophotonics</i> , 2021, .	2.9	3
17	Scattering directionality of high refractive index dielectric particles: a note for solar energy harvesting. , 2018, , .		2
18	Using linear polarization for sensing and monitoring nanoparticle purity. <i>Proceedings of SPIE</i> , 2016, , .	0.8	0

#	ARTICLE	IF	CITATIONS
19	Polarimetric techniques for determining morphology and optical features of high refractive index dielectric nanoparticle size. , 2016, , .		0