

Luis A PÃ©rez

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

474
citations

687363

13
h-index

713466

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25
all docs

25
docs citations

25
times ranked

905
citing authors

#	ARTICLE	IF	CITATIONS
1	Cluster Size Effects in the Surface-Enhanced Raman Scattering Response of Ag and Au Nanoparticle Aggregates: Experimental and Theoretical Insight. <i>Journal of Physical Chemistry C</i> , 2013, 117, 23090-23107.	3.1	82
2	Rational Design of Plasmonic Nanostructures for Biomolecular Detection: Interplay between Theory and Experiments. <i>ACS Nano</i> , 2012, 6, 3441-3452.	14.6	47
3	PVP-stabilized palladium nanoparticles electrochemically obtained as effective catalysts in aqueous medium Suzuki-Miyaura reaction. <i>Journal of Molecular Catalysis A</i> , 2012, 363-364, 245-253.	4.8	41
4	Observation of second sound in a rapidly varying temperature field in Ge. <i>Science Advances</i> , 2021, 7, .	10.3	40
5	Electrochemical synthesis of palladium nanoparticles in PVP solutions and their catalytic activity in Suzuki and Heck reactions in aqueous medium. <i>RSC Advances</i> , 2014, 4, 12330.	3.6	37
6	Chemical and Electrochemical Oxidation of Silicon Surfaces Functionalized with APTES: The Role of Surface Roughness in the AuNPs Anchoring Kinetics. <i>Journal of Physical Chemistry C</i> , 2013, 117, 11317-11327.	3.1	30
7	Raman spectroscopy coupled with AFM scan head: A versatile combination for tailoring graphene oxide/reduced graphene oxide hybrid materials. <i>Applied Surface Science</i> , 2019, 495, 143539.	6.1	28
8	Plasmonic Interactions: From Molecular Plasmonics and Fano Resonances to Ferroplasmons. <i>ACS Nano</i> , 2014, 8, 9723-9728.	14.6	24
9	Engineering Plasmonic Colloidal Meta-Molecules for Tunable Photonic Supercrystals. <i>Advanced Optical Materials</i> , 2021, 9, 2100761.	7.3	20
10	Highly Efficient Hybrid Ni/Nitrogenated Graphene Electrocatalysts for Hydrogen Evolution Reaction. <i>ACS Omega</i> , 2019, 4, 2206-2216.	3.5	19
11	Electrodeposited Negative Index Metamaterials with Visible and Near Infrared Response. <i>Advanced Optical Materials</i> , 2020, 8, 2000865.	7.3	19
12	Exploring the benefits of electron tomography to characterize the precise morphology of core-shell Au@Ag nanoparticles and its implications on their plasmonic properties. <i>Nanoscale</i> , 2014, 6, 12696-12702.	5.6	16
13	CVD Graphene Transferred with Au Nanoparticles: An Ideal Platform for TERS and SERS on a Single Triangular Nanoplate. <i>Journal of Physical Chemistry C</i> , 2016, 120, 8315-8322.	3.1	13
14	High-Throughput Nanofabrication of Metasurfaces with Polarization-Dependent Response. <i>Advanced Optical Materials</i> , 2020, 8, 2000786.	7.3	13
15	Large-Scale Soft-Lithographic Patterning of Plasmonic Nanoparticles. , 2021, 3, 282-289.		11
16	Enhanced Photoluminescence of Cesium Lead Halide Perovskites by Quasi-3D Photonic Crystals. <i>Advanced Optical Materials</i> , 2022, 10, 2101324.	7.3	10
17	Optical Properties of Silica-Coated Au Nanorods: Correlating Theory and Experiments for Determining the Shell Porosity. <i>Journal of Physical Chemistry C</i> , 2021, 125, 15516-15526.	3.1	9
18	Anisotropic thermorefectance thermometry: A contactless frequency-domain thermorefectance approach to study anisotropic thermal transport. <i>Review of Scientific Instruments</i> , 2022, 93, 034902.	1.3	5

#	ARTICLE	IF	CITATIONS
19	Retrieving the spatial distribution of cavity modes in dielectric resonators by near-field imaging and electrostatics simulations. <i>Nanoscale</i> , 2012, 4, 1620.	5.6	3
20	One-step/one-pot decoration of oxide microparticles with silver nanoparticles. <i>Journal of Colloid and Interface Science</i> , 2014, 428, 32-35.	9.4	3
21	Ferropasmons: Novel Plasmons in Metal-Ferromagnetic Bimetallic Nanostructures. <i>Microscopy and Microanalysis</i> , 2015, 21, 2381-2382.	0.4	2
22	Efficient infrared sunlight absorbers based on gold-covered, inverted silicon pyramid arrays. <i>Materials Advances</i> , 2022, 3, 2364-2372.	5.4	2
23	Retrieving the spatial distribution of cavity modes in ZnO nanowires by near-field imaging and electrostatics simulations. , 2013, , .		0