

Carlos Caro

List of Publications by Year in descending order

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Version: 2024-02-01

32
papers

965
citations

361413

20
h-index

434195

31
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32
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32
docs citations

32
times ranked

1446
citing authors

#	ARTICLE	IF	CITATIONS
1	Magnetic Nanoparticles as MRI Contrast Agents. <i>Topics in Current Chemistry</i> , 2020, 378, 40.	5.8	127
2	Heterogeneous surface architected metal-organic frameworks for cancer therapy, imaging, and biosensing: A state-of-the-art review. <i>Coordination Chemistry Reviews</i> , 2020, 409, 213212.	18.8	93
3	Tiopronin monolayer-protected silver nanoparticles modulate IL-6 secretion mediated by Toll-like receptor ligands. <i>Nanomedicine</i> , 2008, 3, 627-635.	3.3	66
4	Selective Autooxidation of Ethanol over Titania-Supported Molybdenum Oxide Catalysts: Structure and Reactivity. <i>Advanced Synthesis and Catalysis</i> , 2012, 354, 1327-1336.	4.3	61
5	Highly efficient nanoplasmonic SERS on cardboard packaging substrates. <i>Nanotechnology</i> , 2014, 25, 415202.	2.6	54
6	Thiol-immobilized silver nanoparticle aggregate films for surface enhanced Raman scattering. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 1162-1169.	2.5	49
7	Fe ₃ O ₄ -Au Core-Shell Nanoparticles as a Multimodal Platform for In Vivo Imaging and Focused Photothermal Therapy. <i>Pharmaceutics</i> , 2021, 13, 416.	4.5	34
8	A hybrid silver-magnetite detector based on surface enhanced Raman scattering for differentiating organic compounds. <i>Sensors and Actuators B: Chemical</i> , 2016, 228, 124-133.	7.8	33
9	Comprehensive Toxicity Assessment of PEGylated Magnetic Nanoparticles for in vivo applications. <i>Colloids and Surfaces B: Biointerfaces</i> , 2019, 177, 253-259.	5.0	33
10	Bi-Magnetic Core-Shell CoFe ₂ O ₄ @MnFe ₂ O ₄ Nanoparticles for In Vivo Theranostics. <i>Nanomaterials</i> , 2020, 10, 907.	4.1	33
11	Passive targeting of high-grade gliomas via the EPR effect: a closed path for metallic nanoparticles?. <i>Biomaterials Science</i> , 2021, 9, 7984-7995.	5.4	31
12	Manganese-Based Nanogels as pH Switches for Magnetic Resonance Imaging. <i>Biomacromolecules</i> , 2017, 18, 1617-1623.	5.4	30
13	Surface architected black phosphorous nanoconstructs based smart and versatile platform for cancer theranostics. <i>Coordination Chemistry Reviews</i> , 2021, 435, 213826.	18.8	29
14	UV-Vis-NIR Laser Desorption/Ionization of Synthetic Polymers Assisted by Gold Nanospheres, Nanorods and Nanostars. <i>Plasmonics</i> , 2010, 5, 125-133.	3.4	28
15	Platinum Nanoparticles as Photoactive Substrates for Mass Spectrometry and Spectroscopy Sensors. <i>Journal of Physical Chemistry C</i> , 2014, 118, 11432-11439.	3.1	28
16	Synthesis and Characterization of Elongated-Shaped Silver Nanoparticles as a Biocompatible Anisotropic SERS Probe for Intracellular Imaging: Theoretical Modeling and Experimental Verification. <i>Nanomaterials</i> , 2019, 9, 256.	4.1	27
17	Shedding light on zwitterionic magnetic nanoparticles: limitations for in vivo applications. <i>Nanoscale</i> , 2017, 9, 8176-8184.	5.6	26
18	Preparation of Surface-Enhanced Raman Scattering Substrates Based on Immobilized Silver-Capped Nanoparticles. <i>Journal of Spectroscopy</i> , 2018, 2018, 1-9.	1.3	25

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19	Highly water-stable rare ternary Ag@Au@Se nanocomposites as long blood circulation time X-ray computed tomography contrast agents. <i>Nanoscale</i> , 2017, 9, 7242-7251.	5.6	22
20	Polysaccharide Colloids as Smart Vehicles in Cancer Therapy. <i>Current Pharmaceutical Design</i> , 2015, 21, 4822-4836.	1.9	22
21	In Vivo Pharmacokinetics of Magnetic Nanoparticles. <i>Methods in Molecular Biology</i> , 2018, 1718, 409-419.	0.9	18
22	Holmium phosphate nanoparticles as negative contrast agents for high-field magnetic resonance imaging: Synthesis, magnetic relaxivity study and in vivo evaluation. <i>Journal of Colloid and Interface Science</i> , 2021, 587, 131-140.	9.4	15
23	Engineering of stealth (maghemite/PLGA)/chitosan (core/shell)/shell nanocomposites with potential applications for combined MRI and hyperthermia against cancer. <i>Journal of Materials Chemistry B</i> , 2021, 9, 4963-4980.	5.8	15
24	Clickable iron oxide NPs based on catechol derived ligands: synthesis and characterization. <i>Soft Matter</i> , 2020, 16, 3257-3266.	2.7	14
25	Iron@Gold Nanoflowers: A Promising Tool for Multimodal Imaging and Hyperthermia Therapy. <i>Pharmaceutics</i> , 2022, 14, 636.	4.5	13
26	Dysprosium and Holmium Vanadate Nanoprobes as High-Performance Contrast Agents for High-Field Magnetic Resonance and Computed Tomography Imaging. <i>Inorganic Chemistry</i> , 2021, 60, 152-160.	4.0	12
27	Characterization and optimization of the haemozoin-like crystal (HLC) assay to determine Hz inhibiting effects of anti-malarial compounds. <i>Malaria Journal</i> , 2015, 14, 403.	2.3	9
28	PEGylated Terbium-Based Nanorods as Multimodal Bioimaging Contrast Agents. <i>ACS Applied Nano Materials</i> , 2021, 4, 4199-4207.	5.0	7
29	AgACTiO ₂ nanoparticles with microbicide properties under visible light. <i>Materials Research Express</i> , 2015, 2, 055002.	1.6	4
30	The second virial coefficient for anisotropic square-well fluids. <i>Journal of Molecular Liquids</i> , 2015, 208, 21-26.	4.9	4
31	Biological Implications of a Stroke Therapy Based in Neuroglobin Hyaluronate Nanoparticles. Neuroprotective Role and Molecular Bases. <i>International Journal of Molecular Sciences</i> , 2022, 23, 247.	4.1	3
32	Calculation of Surface Enhanced Raman Scattering in Metal Nanoparticles. <i>Advanced Structured Materials</i> , 2012, , 73-83.	0.5	0