Juan Beltran-Huarac

List of Publications by Year
in descending order

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25 papers	850 citations	471061 17 h-index	580395 25 g-index
25 all docs	25 docs citations	25 times ranked	1633 citing authors

#	Article	IF	Citations
1	L-cysteine capped ZnS:Mn quantum dots for room-temperature detection of dopamine with high sensitivity and selectivity. Biosensors and Bioelectronics, 2017, 87, 693-700.	5.3	112
2	Single-Crystal Î³-MnS Nanowires Conformally Coated with Carbon. ACS Applied Materials & Interfaces, 2014, 6, 1180-1186.	4.0	68
3	Mussel-inspired 3D fiber scaffolds for heart-on-a-chip toxicity studies of engineered nanomaterials. Analytical and Bioanalytical Chemistry, 2018, 410, 6141-6154.	1.9	66
4	Enhanced MRI T 2 Relaxivity in Contrast-Probed Anchor-Free PEGylated Iron Oxide Nanoparticles. Nanoscale Research Letters, 2017, 12, 312.	3.1	49
5	Safer-by-design flame-sprayed silicon dioxide nanoparticles: the role of silanol content on ROS generation, surface activity and cytotoxicity. Particle and Fibre Toxicology, 2019, 16, 40.	2.8	48
6	Effective delivery of sonication energy to fast settling and agglomerating nanomaterial suspensions for cellular studies: Implications for stability, particle kinetics, dosimetry and toxicity. NanoImpact, 2018, 10, 81-86.	2.4	47
7	Recent Progress in Iron Oxide Nanoparticles as Therapeutic Magnetic Agents for Cancer Treatment and Tissue Engineering. ACS Applied Bio Materials, 2020, 3, 8172-8187.	2.3	45
8	Analysis of lipid adsorption on nanoparticles by nanoflow liquid chromatography-tandem mass spectrometry. Analytical and Bioanalytical Chemistry, 2018, 410, 6155-6164.	1.9	43
9	Highly-crystalline Î³-MnS nanosaws. RSC Advances, 2014, 4, 38103-38110.	1.7	40
10	Graphene Oxide/ZnS:Mn Nanocomposite Functionalized with Folic Acid as a Nontoxic and Effective Theranostic Platform for Breast Cancer Treatment. Nanomaterials, 2018, 8, 484.	1.9	37
11	Development of reference metal and metal oxide engineered nanomaterials for nanotoxicology research using high throughput and precision flame spray synthesis approaches. NanoImpact, 2018, 10, 26-37.	2.4	35
12	Stability of the Mn photoluminescence in bifunctional ZnS:0.05Mn nanoparticles. Journal of Applied Physics, 2013, 114, .	1.1	34
13	Biocompatible ZnS:Mn quantum dots for reactive oxygen generation and detection in aqueous media. Journal of Nanoparticle Research, 2015, 17, 461.	0.8	32
14	T₁- and T₂-weighted Magnetic Resonance Dual Contrast by Single Core Truncated Cubic Iron Oxide Nanoparticles with Abrupt Cellular Internalization and Immune Evasion. ACS Applied Bio Materials, 2018, 1, 79-89.	2.3	32
15	Bifunctional Fe3O4/ZnS:Mn composite nanoparticles. Materials Letters, 2013, 98, 108-111.	1.3	28
16	Catalytic effect of ultrananocrystalline Fe₃O₄on algal bio-crude productionviaHTL process. Nanoscale, 2015, 7, 17664-17671.	2.8	28
17	Physical properties of bifunctional BST/LSMO nanocomposites. Journal of Applied Physics, 2014, 115, .	1.1	27
18	Novel magneto-luminescent effect in LSMO/ZnS:Mn nanocomposites at near-room temperature. Nanotechnology, 2016, 27, 085703.	1.3	17

#	Article	IF	Citations
19	Synthesis and transport properties of La0.67Sr0.33MnO3 conformally-coated on carbon nanotubes. Carbon, 2013, 65, 252-260.	5.4	15
20	Controlling the transverse proton relaxivity of magnetic graphene oxide. Scientific Reports, 2019, 9, 5633.	1.6	14
21	Photodynamic Therapeutic Effect of Nanostructured Metal Sulfide Photosensitizers on Cancer Treatment. Nanoscale Research Letters, 2022, 17, 33.	3.1	12
22	Carbon nanotubes coated with diamond nanocrystals and silicon carbide by hot-filament chemical vapor deposition below 200 Â°C substrate temperature. Carbon, 2014, 75, 113-123.	5.4	10
23	Magnetic Control of the Manganese Photoluminescence in Fe₃O₄/<scp>l</scp>-Cys ZnS:Mn Nanocomposites. ACS Omega, 2021, 6, 7598-7604.	1.6	6
24	Cytocompatibility of direct water synthesized cadmium selenide quantum dots in colo-205 cells. Journal of Nanoparticle Research, 2015, 17, 1.	0.8	3
25	Magnetoelectric properties of BST/LSMO particulate composites. Materials Research Society Symposia Proceedings, 2011, 1368, 1.	0.1	2