

Laura Trapiella-Alfonso

List of Publications by Year in descending order

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24
papers

666
citations

687363

13
h-index

642732

23
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26
all docs

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docs citations

26
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	Growth of <i>In Situ</i> Functionalized Luminescent Silver Nanoclusters by Direct Reduction and Size Focusing. <i>ACS Nano</i> , 2012, 6, 8950-8961.	14.6	121
2	Development of a quantum dot-based fluorescent immunoassay for progesterone determination in bovine milk. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4753-4759.	10.1	62
3	Protein-protected metal nanoclusters as diagnostic and therapeutic platforms for biomedical applications. <i>Materials Today</i> , 2023, 66, 159-193.	14.2	59
4	A Quantum Dot-Based Immunoassay for Screening of Tetracyclines in Bovine Muscle. <i>Journal of Agricultural and Food Chemistry</i> , 2014, 62, 1733-1740.	5.2	46
5	Functionalized gold nanoclusters as fluorescent labels for immunoassays: Application to human serum immunoglobulin E determination. <i>Biosensors and Bioelectronics</i> , 2016, 77, 1055-1061.	10.1	46
6	Elemental and molecular detection for Quantum Dots-based immunoassays: A critical appraisal. <i>Biosensors and Bioelectronics</i> , 2012, 33, 165-171.	10.1	44
7	Clickable-Zwitterionic Copolymer Capped-Quantum Dots for in Vivo Fluorescence Tumor Imaging. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17107-17116.	8.0	43
8	One-step aqueous synthesis of fluorescent copper nanoclusters by direct metal reduction. <i>Nanotechnology</i> , 2013, 24, 495601.	2.6	38
9	New integrated elemental and molecular strategies as a diagnostic tool for the quality of water soluble quantum dots and their bioconjugates. <i>Nanoscale</i> , 2011, 3, 954.	5.6	31
10	Electromigration separation methodologies for the characterization of nanoparticles and the evaluation of their behaviour in biological systems. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 84, 121-130.	11.4	29
11	Recent advances in the development of capillary electrophoresis methodologies for optimizing, controlling, and characterizing the synthesis, functionalization, and physicochemical, properties of nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2669-2675.	3.7	21
12	VEGF (Vascular Endothelial Growth Factor) Functionalized Magnetic Beads in a Microfluidic Device to Improve the Angiogenic Balance in Preeclampsia. <i>Hypertension</i> , 2019, 74, 145-153.	2.7	20
13	Aqueous synthesis of near-infrared highly fluorescent platinum nanoclusters. <i>Nanotechnology</i> , 2015, 26, 215601.	2.6	15
14	Synthesis, Characterization and Evaluation of Peptide Nanostructures for Biomedical Applications. <i>Molecules</i> , 2021, 26, 4587.	3.8	14
15	Synthesis and characterization of hapten-quantum dots bioconjugates: Application to development of a melamine fluorescent immunoassay. <i>Talanta</i> , 2013, 106, 243-248.	5.5	13
16	Zwitterionic Silane Copolymer for Ultra-Stable and Bright Biomolecular Probes Based on Fluorescent Quantum Dot Nanoclusters. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 18161-18169.	8.0	12
17	Electrophoretic Methods for Characterizing Nanoparticles and Evaluating Their Bio-interactions for Their Further Use as Diagnostic, Imaging, or Therapeutic Tools. , 2018, , 397-421.		12
18	Mass Spectrometry for the Characterization of Gold Nanoparticles. <i>Comprehensive Analytical Chemistry</i> , 2014, 66, 329-356.	1.3	10

#	ARTICLE	IF	CITATIONS
19	Nanostructural transformations of silver nanoclusters occurring during their synthesis and after interaction with UV-light. <i>Materials Research Express</i> , 2014, 1, 015039.	1.6	10
20	Controlling Ligand Surface Density on Streptavidin-Magnetic Particles by a Simple, Rapid, and Reliable Chemiluminescent Test. <i>Bioconjugate Chemistry</i> , 2018, 29, 2646-2653.	3.6	9
21	Superparamagnetic iron oxide nanoparticles functionalized with a binary alkoxysilane array and poly(4-vinylpyridine) for magnetic targeting and pH-responsive release of doxorubicin. <i>New Journal of Chemistry</i> , 2021, 45, 3600-3609.	2.8	4
22	Colorimetric immunoassays for the screening and specificity evaluation of molecules disturbing VEGFs/VEGFRs interactions. <i>Analytical Biochemistry</i> , 2018, 544, 114-120.	2.4	3
23	A deep understanding of the self-assembly and colloidal stability of light and pH dual-responsive spiropyran random copolymer micelle-like nano-aggregates. <i>Materials Today Communications</i> , 2022, 31, 103499.	1.9	2
24	Editorial: Design, Synthesis, Characterization and Applications of Nanoclusters. <i>Frontiers in Chemistry</i> , 2022, 10, 898480.	3.6	2