

Alejandro Lapresta-Fernandez

List of Publications by Year in descending order

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35
papers

1,248
citations

489802

18
h-index

511568

30
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36
all docs

36
docs citations

36
times ranked

2387
citing authors

#	ARTICLE	IF	CITATIONS
1	Site-selective surface enhanced Raman scattering study of ligand exchange reactions on aggregated Ag nanocubes. <i>Journal of Colloid and Interface Science</i> , 2022, 616, 110-120.	5.0	5
2	Synthesis of a thermoresponsive crosslinked MEO2MA polymer coating on microclusters of iron oxide nanoparticles. <i>Scientific Reports</i> , 2021, 11, 3947.	1.6	6
3	Carbon Dots as Sensing Layer for Printed Humidity and Temperature Sensors. <i>Nanomaterials</i> , 2020, 10, 2446.	1.9	10
4	COST-EFFECTIVE TEACHING IN THE NANOTECHNOLOGY: MULTIPLE-LANGUAGES APPLIED TO VIRTUAL LESSONS AT THE NANOSCALE. , 2017, , .		0
5	USING LEARNING OBJECTS TO CREATE SEMANTICALLY ENRICHED CONTENT TO SHARE KNOWLEDGE AND CREATE COMMUNITIES IN E-LEARNING SYSTEMS. , 2017, , .		0
6	PROJECT-BASED LEARNING IN FPGA. , 2017, , .		0
7	SIGN-LANGUAGE INCORPORATION TO NANOTECHNOLOGY VIRTUAL LABORATORIES. , 2017, , .		0
8	Evaluation of a reconfigurable portable instrument for copper determination based on luminescent carbon dots. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 3013-3020.	1.9	25
9	Thermochromic sensor design based on Fe(II) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling. <i>Sensors and Actuators B: Chemical</i> , 2015, 208, 180-187.	4.0	33
10	Particle tuning and modulation of the magnetic/colour synergy in Fe(ⁱⁱ) spin crossover-polymer nanocomposites in a thermochromic sensor array. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7292-7303.	2.7	29
11	Microsystem-assisted synthesis of carbon dots with fluorescent and colorimetric properties for pH detection. <i>Nanoscale</i> , 2014, 6, 6018-6024.	2.8	81
12	A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. <i>Critical Reviews in Solid State and Materials Sciences</i> , 2014, 39, 423-458.	6.8	72
13	Thermoresponsive Gold Polymer Nanohybrids with a Tunable Cross-Linked MEO ₂ MA Polymer Shell. <i>Particle and Particle Systems Characterization</i> , 2014, 31, 1183-1191.	1.2	13
14	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. <i>Chemical Communications</i> , 2013, 49, 1103.	2.2	261
15	Behaviour of Au-citrate nanoparticles in seawater and accumulation in bivalves at environmentally relevant concentrations. <i>Environmental Pollution</i> , 2013, 174, 134-141.	3.7	79
16	Photographing the synergy between magnetic and colour properties in spin crossover material [Fe(NH ₂) ₃](BF ₄) ₂ : a temperature sensor perspective. <i>Chemical Communications</i> , 2013, 49, 288-290.	2.2	31
17	Transmission-Mode Scanner for Potassium Determination Using Colorimetric Disposable Sensors. <i>Sensor Letters</i> , 2013, 11, 368-376.	0.4	6
18	Public concern over ecotoxicology risks from nanomaterials: Pressing need for research-based information. <i>Environment International</i> , 2012, 39, 148-149.	4.8	6

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19	Nanoecotoxicity effects of engineered silver and gold nanoparticles in aquatic organisms. <i>TrAC - Trends in Analytical Chemistry</i> , 2012, 32, 40-59.	5.8	167
20	Multi-ion detection by one-shot optical sensors using a colour digital photographic camera. <i>Analyst</i> , 2011, 136, 3917.	1.7	22
21	Surface-functionalized fluorescent silica nanoparticles for the detection of ATP. <i>Chemical Communications</i> , 2011, 47, 6066.	2.2	54
22	Environmental monitoring using a conventional photographic digital camera for multianalyte disposable optical sensors. <i>Analytica Chimica Acta</i> , 2011, 706, 328-337.	2.6	38
23	Magnetic core-shell fluorescent pH ratiometric nanosensor using a Stober coating method. <i>Analytica Chimica Acta</i> , 2011, 707, 164-170.	2.6	25
24	Evaluation of analytical reflection scanometry as an analytical tool. <i>Analytical Methods</i> , 2011, 3, 2644.	1.3	6
25	Magnetic and fluorescent core-shell nanoparticles for ratiometric pH sensing. <i>Nanotechnology</i> , 2011, 22, 415501.	1.3	33
26	On the Design of Fluorescent Ratiometric Nanosensors. <i>Chemistry - A European Journal</i> , 2010, 16, 10290-10299.	1.7	104
27	Colourimetric characterisation of disposable optical sensors from spectroradiometric measurements. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 393, 1361-1366.	1.9	13
28	Multianalyte imaging in one-shot format sensors for natural waters. <i>Analytica Chimica Acta</i> , 2009, 636, 210-217.	2.6	21
29	Fluorescent polyacrylamide nanoparticles for naproxen recognition. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 1821-1830.	1.9	21
30	Scanometric potassium determination with ionophore-based disposable sensors. <i>Sensors and Actuators B: Chemical</i> , 2008, 134, 694-701.	4.0	25
31	Portable light-emitting diode-based photometer with one-shot optochemical sensors for measurement in the field. <i>Review of Scientific Instruments</i> , 2008, 79, 103105.	0.6	11
32	Magnesium optical one-shot sensor based on a coumarin chromoionophore. <i>Talanta</i> , 2006, 68, 1663-1670.	2.9	26
33	Establishment of wide-range linear response curves in bulk optode sensors for cations based on ion exchange. <i>Sensors and Actuators B: Chemical</i> , 2006, 117, 27-34.	4.0	8
34	A simplified measurement procedure and portable electronic photometer for disposable sensors based on ionophore-chromoionophore chemistry for potassium determination. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 386, 1215-1224.	1.9	16
35	CHAPTER 2. Experimental Techniques Used for the Characterization of Soft Nanoparticles. <i>RSC Nanoscience and Nanotechnology</i> , 0, , 19-108.	0.2	1