Alejandro Lapresta-Fernandez

List of Publications by Year
in descending order

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35 papers	1,248 citations	430874 18 h-index	454955 30 g-index
36 all docs	36 docs citations	36 times ranked	2131 citing authors

#	Article	IF	Citations
1	Site-selective surface enhanced Raman scattering study of ligand exchange reactions on aggregated Ag nanocubes. Journal of Colloid and Interface Science, 2022, 616, 110-120.	9.4	5
2	Synthesis of a thermoresponsive crosslinked MEO2MA polymer coating on microclusters of iron oxide nanoparticles. Scientific Reports, 2021, 11, 3947.	3.3	6
3	Carbon Dots as Sensing Layer for Printed Humidity and Temperature Sensors. Nanomaterials, 2020, 10, 2446.	4.1	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. Analytical and Bioanalytical Chemistry, 2016, 408, 3013-3020.	3.7	25
9	Thermochromic sensor design based on Fe(II) spin crossover/polymers hybrid materials and artificial neural networks as a tool in modelling. Sensors and Actuators B: Chemical, 2015, 208, 180-187.	7.8	33
10	Particle tuning and modulation of the magnetic/colour synergy in Fe(<scp>ii</scp>) spin crossover-polymer nanocomposites in a thermochromic sensor array. Journal of Materials Chemistry C, 2014, 2, 7292-7303.	5.5	29
11	Microsystem-assisted synthesis of carbon dots with fluorescent and colorimetric properties for pH detection. Nanoscale, 2014, 6, 6018-6024.	5.6	81
12	A General Perspective of the Characterization and Quantification of Nanoparticles: Imaging, Spectroscopic, and Separation Techniques. Critical Reviews in Solid State and Materials Sciences, 2014, 39, 423-458.	12.3	72
13	Thermoresponsive Gold Polymer Nanohybrids with a Tunable Crossâ€Linked MEO₂MA Polymer Shell. Particle and Particle Systems Characterization, 2014, 31, 1183-1191.	2.3	13
14	Carbon dots for copper detection with down and upconversion fluorescent properties as excitation sources. Chemical Communications, 2013, 49, 1103.	4.1	261
15	Behaviour of Au-citrate nanoparticles in seawater and accumulation in bivalves at environmentally relevant concentrations. Environmental Pollution, 2013, 174, 134-141.	7.5	79
16	Photographing the synergy between magnetic and colour properties in spin crossover material [Fe(NH₂trz)₃](BF₄)₂: a temperature sensor perspective. Chemical Communications, 2013, 49, 288-290.	4.1	31
17	Transmission-Mode Scanner for Potassium Determination Using Colorimetric Disposable Sensors. Sensor Letters, 2013, 11, 368-376.	0.4	6
18	Public concern over ecotoxicology risks from nanomaterials: Pressing need for research-based information. Environment International, 2012, 39, 148-149.	10.0	6

#	Article	IF	Citations
19	Nanoecotoxicity effects of engineered silver and gold nanoparticles in aquatic organisms. TrAC - Trends in Analytical Chemistry, 2012, 32, 40-59.	11.4	167
20	Multi-ion detection by one-shot optical sensors using a colour digital photographic camera. Analyst, The, 2011, 136, 3917.	3.5	22
21	Surface-functionalized fluorescent silica nanoparticles for the detection of ATP. Chemical Communications, 2011, 47, 6066.	4.1	54
22	Environmental monitoring using a conventional photographic digital camera for multianalyte disposable optical sensors. Analytica Chimica Acta, 2011, 706, 328-337.	5.4	38
23	Magnetic coreâ€“shell fluorescent pH ratiometric nanosensor using a StÃ¶ber coating method. Analytica Chimica Acta, 2011, 707, 164-170.	5.4	25
24	Evaluation of analytical reflection scanometry as an analytical tool. Analytical Methods, 2011, 3, 2644.	2.7	6
25	Magnetic and fluorescent coreâ€“shell nanoparticles for ratiometric pH sensing. Nanotechnology, 2011, 22, 415501.	2.6	33
26	On the Design of Fluorescent Ratiometric Nanosensors. Chemistry - A European Journal, 2010, 16, 10290-10299.	3.3	104
27	Colourimetric characterisation of disposable optical sensors from spectroradiometric measurements. Analytical and Bioanalytical Chemistry, 2009, 393, 1361-1366.	3.7	13
28	Multianalyte imaging in one-shot format sensors for natural waters. Analytica Chimica Acta, 2009, 636, 210-217.	5.4	21
29	Fluorescent polyacrylamide nanoparticles for naproxen recognition. Analytical and Bioanalytical Chemistry, 2009, 395, 1821-1830.	3.7	21
30	Scanometric potassium determination with ionophore-based disposable sensors. Sensors and Actuators B: Chemical, 2008, 134, 694-701.	7.8	25
31	Portable light-emitting diode-based photometer with one-shot optochemical sensors for measurement in the field. Review of Scientific Instruments, 2008, 79, 103105.	1.3	11
32	Magnesium optical one-shot sensor based on a coumarin chromoionophore. Talanta, 2006, 68, 1663-1670.	5.5	26
33	Establishment of wide-range linear response curves in bulk optode sensors for cations based on ion exchange. Sensors and Actuators B: Chemical, 2006, 117, 27-34.	7.8	8
34	A simplified measurement procedure and portable electronic photometer for disposable sensors based on ionophore-chromoionophore chemistry for potassium determination. Analytical and Bioanalytical Chemistry, 2006, 386, 1215-1224.	3.7	16
35	CHAPTER 2. Experimental Techniques Used for the Characterization of Soft Nanoparticles. RSC Nanoscience and Nanotechnology, 0, , 19-108.	0.2	1