

# angela I Lpez-Lorente

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46 papers	1,074 citations	21 h-index	31 g-index
49 ext. papers	1,248 ext. citations	5.9 avg, IF	5.14 L-index

#	Paper	IF	Citations
46	Photocatalytic Cellulose-Paper: Deepening in the Sustainable and Synergic Combination of Sorption and Photodegradation. <i>ACS Omega</i> , <b>2021</b> , 6, 9577-9586	3.9	4
45	Recent developments on gold nanostructures for surface enhanced Raman spectroscopy: Particle shape, substrates and analytical applications. A review. <i>Analytica Chimica Acta</i> , <b>2021</b> , 1168, 338474	6.6	16
44	Unmodified cellulose filter paper, a sustainable and affordable sorbent for the isolation of biogenic amines from beer samples. <i>Journal of Chromatography A</i> , <b>2021</b> , 1651, 462297	4.5	6
43	Paper-based sorptive phases for microextraction and sensing. <i>Analytical Methods</i> , <b>2020</b> , 12, 3074-3091	3.2	9
42	Silver nanoflower-coated paper as dual substrate for surface-enhanced Raman spectroscopy and ambient pressure mass spectrometry analysis. <i>Analytical and Bioanalytical Chemistry</i> , <b>2020</b> , 412, 3547-3557	4.4	21
41	Magnetic Graphene Oxide Composite for the Microextraction and Determination of Benzophenones in Water Samples. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	5
40	Toxicity evaluation of barium ferrite nanoparticles in bacteria, yeast and nematode. <i>Chemosphere</i> , <b>2020</b> , 254, 126786	8.4	5
39	Hybrid Gold Nanoparticle-Polyoxovanadate Matrices: A Novel Surface Enhanced Raman/Surface Enhanced Infrared Spectroscopy Substrate. <i>ACS Omega</i> , <b>2020</b> , 5, 25036-25041	3.9	3
38	Nano-depletion of acrosome-damaged donkey sperm by using lectin peanut agglutinin (PNA)-magnetic nanoparticles. <i>Theriogenology</i> , <b>2020</b> , 151, 103-111	2.8	3
37	Surface analysis of sheep menisci after meniscectomy via infrared attenuated total reflection spectroscopy. <i>Journal of Biophotonics</i> , <b>2019</b> , 12, e201800429	3.1	1
36	Infrared attenuated total reflection and 2D fluorescence spectroscopy for the discrimination of differently aggregated monoclonal antibodies. <i>Analyst, The</i> , <b>2019</b> , 144, 6334-6341	5	
35	Graphene-Based Surface Enhanced Vibrational Spectroscopy: Recent Developments, Challenges, and Applications. <i>ACS Photonics</i> , <b>2019</b> , 6, 2182-2197	6.3	23
34	Versatile Analytical Platform Based on Graphene-Enhanced Infrared Attenuated Total Reflection Spectroscopy. <i>ACS Photonics</i> , <b>2018</b> , 5, 2160-2167	6.3	12
33	Ion beam sputtering deposition of silver nanoparticles and TiO <sub>x</sub> /ZnO nanocomposites for use in surface enhanced vibrational spectroscopy (SERS and SEIRAS). <i>Mikrochimica Acta</i> , <b>2018</b> , 185, 153	5.8	17
32	Monolithic Solid Based on Single-Walled Carbon Nanohorns: Preparation, Characterization, and Practical Evaluation as a Sorbent. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	6
31	Gold-nanostar-based SERS substrates for studying protein aggregation processes. <i>Analyst, The</i> , <b>2018</b> , 143, 5103-5111	5	21
30	Analysis of human menisci degeneration via infrared attenuated total reflection spectroscopy. <i>Analyst, The</i> , <b>2018</b> , 143, 5023-5029	5	4

29	Efficient combined sorption/photobleaching of dyes promoted by cellulose/titania-based nanocomposite films. <i>Journal of Cleaner Production</i> , <b>2018</b> , 194, 167-173	10.3	29
28	Towards enhanced optical sensor performance: SEIRA and SERS with plasmonic nanostars. <i>Analyst, The</i> , <b>2017</b> , 142, 951-958	5	40
27	Towards label-free mid-infrared protein assays: in-situ formation of bare gold nanoparticles for surface enhanced infrared absorption spectroscopy of bovine serum albumin. <i>Mikrochimica Acta</i> , <b>2017</b> , 184, 453-462	5.8	10
26	Surface enhanced infrared absorption spectroscopy based on gold nanostars and spherical nanoparticles. <i>Analytica Chimica Acta</i> , <b>2017</b> , 990, 141-149	6.6	30
25	Recent advances in biomolecular vibrational spectroelectrochemistry. <i>Current Opinion in Electrochemistry</i> , <b>2017</b> , 5, 106-113	7.2	14
24	Boron-doped diamond modified with gold nanoparticles for the characterization of bovine serum albumin protein. <i>Vibrational Spectroscopy</i> , <b>2017</b> , 91, 147-156	2.1	11
23	The Third Way in Analytical Nanoscience and Nanotechnology <b>2016</b> , 1-26		2
22	Recent advances on the characterization of nanoparticles using infrared spectroscopy. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 84, 97-106	14.6	50
21	Mid-infrared spectroscopy for protein analysis: potential and challenges. <i>Analytical and Bioanalytical Chemistry</i> , <b>2016</b> , 408, 2875-89	4.4	68
20	Determination of TiO <sub>2</sub> nanoparticles in sunscreen using N-doped graphene quantum dots as a fluorescent probe. <i>Mikrochimica Acta</i> , <b>2016</b> , 183, 781-789	5.8	25
19	The third way in analytical nanoscience and nanotechnology: Involvement of nanotools and nanoanalytes in the same analytical process. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2016</b> , 75, 1-9	14.6	36
18	Mid-infrared thin-film diamond waveguides combined with tunable quantum cascade lasers for analyzing the secondary structure of proteins. <i>Physica Status Solidi (A) Applications and Materials Science</i> , <b>2016</b> , 213, 2117-2123	1.6	24
17	Scanning electron microscopy of carbon nanotubes dispersed in ionic liquid: Solvent influence study. <i>Microchemical Journal</i> , <b>2015</b> , 122, 137-143	4.8	7
16	Multilayer graphene-gold nanoparticle hybrid substrate for the SERS determination of metronidazole. <i>Microchemical Journal</i> , <b>2015</b> , 121, 6-13	4.8	34
15	Continuous flow synthesis and characterization of tailor-made bare gold nanoparticles for use in SERS. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1101-1108	5.8	22
14	Characterization of stainless steel assisted bare gold nanoparticles and their analytical potential. <i>Talanta</i> , <b>2014</b> , 118, 321-7	6.2	14
13	Infrared attenuated total reflection spectroscopy for the characterization of gold nanoparticles in solution. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 783-9	7.8	26
12	Graphene quantum dots sensor for the determination of graphene oxide in environmental water samples. <i>Analytical Chemistry</i> , <b>2014</b> , 86, 12279-84	7.8	59

11	Raman spectroscopic characterization of single walled carbon nanotubes: influence of the sample aggregation state. <i>Analyst, The</i> , <b>2014</b> , 139, 290-8	5	48
10	Analysis of citrate-capped gold and silver nanoparticles by thiol ligand exchange capillary electrophoresis. <i>Mikrochimica Acta</i> , <b>2014</b> , 181, 1789-1796	5.8	28
9	Sequential preconcentration and on-membrane Raman determination of carboxylic single-walled carbon nanotubes in river water samples. <i>Analytical Chemistry</i> , <b>2013</b> , 85, 10338-43	7.8	15
8	Determination of carboxylic SWCNTs in river water by microextraction in ionic liquid and determination by Raman spectroscopy. <i>Talanta</i> , <b>2013</b> , 105, 75-9	6.2	24
7	Bare gold nanoparticles mediated surface-enhanced Raman spectroscopic determination and quantification of carboxylated single-walled carbon nanotubes. <i>Analytica Chimica Acta</i> , <b>2013</b> , 788, 122-8	6.6	29
6	Qualitative detection and quantitative determination of single-walled carbon nanotubes in mixtures of carbon nanotubes with a portable Raman spectrometer. <i>Analyst, The</i> , <b>2013</b> , 138, 2378-85	5	14
5	Analysis of Nanoparticles Based on Electrophoretic Separations. <i>Comprehensive Analytical Chemistry</i> , <b>2012</b> , 33-89	1.9	4
4	Rapid analysis of gold nanoparticles in liver and river water samples. <i>Analyst, The</i> , <b>2012</b> , 137, 3528-34	5	38
3	Analytical potential of hybrid nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , <b>2011</b> , 399, 43-54	4.4	52
2	Electrophoretic methods for the analysis of nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2011</b> , 30, 58-71	14.6	88
1	The potential of carbon nanotube membranes for analytical separations. <i>Analytical Chemistry</i> , <b>2010</b> , 82, 5399-407	7.8	72