

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2139585/angela-i-lopez-lorente-publications-by-citations.pdf>
Version: 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.
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	Electrophoretic methods for the analysis of nanoparticles. <i>TrAC - Trends in Analytical Chemistry</i> , 2011 , 30, 58-71	14.6	88
45	The potential of carbon nanotube membranes for analytical separations. <i>Analytical Chemistry</i> , 2010 , 82, 5399-407	7.8	72
44	Mid-infrared spectroscopy for protein analysis: potential and challenges. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 2875-89	4.4	68
43	Graphene quantum dots sensor for the determination of graphene oxide in environmental water samples. <i>Analytical Chemistry</i> , 2014 , 86, 12279-84	7.8	59
42	Analytical potential of hybrid nanoparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2011 , 399, 43-54	4.4	52
41	Recent advances on the characterization of nanoparticles using infrared spectroscopy. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 84, 97-106	14.6	50
40	Raman spectroscopic characterization of single walled carbon nanotubes: influence of the sample aggregation state. <i>Analyst, The</i> , 2014 , 139, 290-8	5	48
39	Towards enhanced optical sensor performance: SEIRA and SERS with plasmonic nanostars. <i>Analyst, The</i> , 2017 , 142, 951-958	5	40
38	Rapid analysis of gold nanoparticles in liver and river water samples. <i>Analyst, The</i> , 2012 , 137, 3528-34	5	38
37	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> , 2016 , 75, 1-9	14.6	36
36	Multilayer graphene-gold nanoparticle hybrid substrate for the SERS determination of metronidazole. <i>Microchemical Journal</i> , 2015 , 121, 6-13	4.8	34
35	Surface enhanced infrared absorption spectroscopy based on gold nanostars and spherical nanoparticles. <i>Analytica Chimica Acta</i> , 2017 , 990, 141-149	6.6	30
34	Bare gold nanoparticles mediated surface-enhanced Raman spectroscopic determination and quantification of carboxylated single-walled carbon nanotubes. <i>Analytica Chimica Acta</i> , 2013 , 788, 122-8	6.6	29
33	Efficient combined sorption/photobleaching of dyes promoted by cellulose/titania-based nanocomposite films. <i>Journal of Cleaner Production</i> , 2018 , 194, 167-173	10.3	29
32	Analysis of citrate-capped gold and silver nanoparticles by thiol ligand exchange capillary electrophoresis. <i>Mikrochimica Acta</i> , 2014 , 181, 1789-1796	5.8	28
31	Infrared attenuated total reflection spectroscopy for the characterization of gold nanoparticles in solution. <i>Analytical Chemistry</i> , 2014 , 86, 783-9	7.8	26
30	Determination of TiO ₂ nanoparticles in sunscreen using N-doped graphene quantum dots as a fluorescent probe. <i>Mikrochimica Acta</i> , 2016 , 183, 781-789	5.8	25

29	Determination of carboxylic SWCNTs in river water by microextraction in ionic liquid and determination by Raman spectroscopy. <i>Talanta</i> , 2013 , 105, 75-9	6.2	24
28	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> , 2016 , 213, 2117-2123	1.6	24
27	Graphene-Based Surface Enhanced Vibrational Spectroscopy: Recent Developments, Challenges, and Applications. <i>ACS Photonics</i> , 2019 , 6, 2182-2197	6.3	23
26	Continuous flow synthesis and characterization of tailor-made bare gold nanoparticles for use in SERS. <i>Mikrochimica Acta</i> , 2014 , 181, 1101-1108	5.8	22
25	Silver nanoflower-coated paper as dual substrate for surface-enhanced Raman spectroscopy and ambient pressure mass spectrometry analysis. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3547-3557	4.4	21
24	Gold-nanostar-based SERS substrates for studying protein aggregation processes. <i>Analyst, The</i> , 2018 , 143, 5103-5111	5	21
23	Ion beam sputtering deposition of silver nanoparticles and TiO _x /ZnO nanocomposites for use in surface enhanced vibrational spectroscopy (SERS and SEIRAS). <i>Mikrochimica Acta</i> , 2018 , 185, 153	5.8	17
22	Recent developments on gold nanostructures for surface enhanced Raman spectroscopy: Particle shape, substrates and analytical applications. A review. <i>Analytica Chimica Acta</i> , 2021 , 1168, 338474	6.6	16
21	Sequential preconcentration and on-membrane Raman determination of carboxylic single-walled carbon nanotubes in river water samples. <i>Analytical Chemistry</i> , 2013 , 85, 10338-43	7.8	15
20	Characterization of stainless steel assisted bare gold nanoparticles and their analytical potential. <i>Talanta</i> , 2014 , 118, 321-7	6.2	14
19	Qualitative detection and quantitative determination of single-walled carbon nanotubes in mixtures of carbon nanotubes with a portable Raman spectrometer. <i>Analyst, The</i> , 2013 , 138, 2378-85	5	14
18	Recent advances in biomolecular vibrational spectroelectrochemistry. <i>Current Opinion in Electrochemistry</i> , 2017 , 5, 106-113	7.2	14
17	Versatile Analytical Platform Based on Graphene-Enhanced Infrared Attenuated Total Reflection Spectroscopy. <i>ACS Photonics</i> , 2018 , 5, 2160-2167	6.3	12
16	Boron-doped diamond modified with gold nanoparticles for the characterization of bovine serum albumin protein. <i>Vibrational Spectroscopy</i> , 2017 , 91, 147-156	2.1	11
15	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> , 2017 , 184, 453-462	5.8	10
14	Paper-based sorptive phases for microextraction and sensing. <i>Analytical Methods</i> , 2020 , 12, 3074-3091	3.2	9
13	Scanning electron microscopy of carbon nanotubes dispersed in ionic liquid: Solvent influence study. <i>Microchemical Journal</i> , 2015 , 122, 137-143	4.8	7
12	Monolithic Solid Based on Single-Walled Carbon Nanohorns: Preparation, Characterization, and Practical Evaluation as a Sorbent. <i>Nanomaterials</i> , 2018 , 8,	5.4	6

11	Unmodified cellulose filter paper, a sustainable and affordable sorbent for the isolation of biogenic amines from beer samples. <i>Journal of Chromatography A</i> , 2021 , 1651, 462297	4.5	6
10	Magnetic Graphene Oxide Composite for the Microextraction and Determination of Benzophenones in Water Samples. <i>Nanomaterials</i> , 2020 , 10,	5.4	5
9	Toxicity evaluation of barium ferrite nanoparticles in bacteria, yeast and nematode. <i>Chemosphere</i> , 2020 , 254, 126786	8.4	5
8	Analysis of Nanoparticles Based on Electrophoretic Separations. <i>Comprehensive Analytical Chemistry</i> , 2012 , 33-89	1.9	4
7	Photocatalytic Cellulose-Paper: Deepening in the Sustainable and Synergic Combination of Sorption and Photodegradation. <i>ACS Omega</i> , 2021 , 6, 9577-9586	3.9	4
6	Analysis of human menisci degeneration via infrared attenuated total reflection spectroscopy. <i>Analyst, The</i> , 2018 , 143, 5023-5029	5	4
5	Hybrid Gold Nanoparticle-Polyoxovanadate Matrices: A Novel Surface Enhanced Raman/Surface Enhanced Infrared Spectroscopy Substrate. <i>ACS Omega</i> , 2020 , 5, 25036-25041	3.9	3
4	Nano-depletion of acrosome-damaged donkey sperm by using lectin peanut agglutinin (PNA)-magnetic nanoparticles. <i>Theriogenology</i> , 2020 , 151, 103-111	2.8	3
3	The Third Way in Analytical Nanoscience and Nanotechnology 2016 , 1-26		2
2	Surface analysis of sheep menisci after meniscectomy via infrared attenuated total reflection spectroscopy. <i>Journal of Biophotonics</i> , 2019 , 12, e201800429	3.1	1
1	Infrared attenuated total reflection and 2D fluorescence spectroscopy for the discrimination of differently aggregated monoclonal antibodies. <i>Analyst, The</i> , 2019 , 144, 6334-6341	5	