

Nancy Ornelas-Soto

List of Publications by Year in descending order

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53
papers

1,612
citations

331670

21
h-index

302126

39
g-index

53
all docs

53
docs citations

53
times ranked

2654
citing authors

#	ARTICLE	IF	CITATIONS
1	Extraction and purification of high-value metabolites from microalgae: essential lipids, astaxanthin and phycobiliproteins. <i>Microbial Biotechnology</i> , 2015, 8, 190-209.	4.2	354
2	Tracking nitrate and sulfate sources in groundwater of an urbanized valley using a multi-tracer approach combined with a Bayesian isotope mixing model. <i>Water Research</i> , 2020, 182, 115962.	11.3	164
3	Purification and characterization of two thermostable laccases from <i>Pycnoporus sanguineus</i> and potential role in degradation of endocrine disrupting chemicals. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2014, 108, 32-42.	1.8	123
4	Surface enhanced Raman spectroscopy of phenolic antioxidants: A systematic evaluation of ferulic acid, p-coumaric acid, caffeic acid and sinapic acid. <i>Vibrational Spectroscopy</i> , 2017, 89, 113-122.	2.2	88
5	An environmental friendly method for the automatic determination of hypochlorite in commercial products using multisyringe flow injection analysis. <i>Analytica Chimica Acta</i> , 2008, 611, 182-186.	5.4	69
6	Control of Multiferroic properties in BiFeO ₃ nanoparticles. <i>Scientific Reports</i> , 2019, 9, 3182.	3.3	59
7	Street dust from a heavily-populated and industrialized city: Evaluation of spatial distribution, origins, pollution, ecological risks and human health repercussions. <i>Ecotoxicology and Environmental Safety</i> , 2018, 159, 198-204.	6.0	55
8	Biotransformation of emerging pollutants in groundwater by laccase from <i>P. sanguineus</i> CS43 immobilized onto titania nanoparticles. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 710-717.	6.7	51
9	Screening method for identification of adulterate and fake tequilas by using UV-VIS spectroscopy and chemometrics. <i>Food Research International</i> , 2010, 43, 2356-2362.	6.2	50
10	Biotransformation kinetics of pharmaceutical and industrial micropollutants in groundwaters by a laccase cocktail from <i>Pycnoporus sanguineus</i> CS43 fungi. <i>International Biodeterioration and Biodegradation</i> , 2016, 108, 34-41.	3.9	49
11	Silica nanoparticles induce cardiotoxicity interfering with energetic status and Ca ²⁺ handling in adult rat cardiomyocytes. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H645-H661.	3.2	49
12	Differential cytotoxicity and internalization of graphene family nanomaterials in myocardial cells. <i>Materials Science and Engineering C</i> , 2017, 73, 633-642.	7.3	36
13	MoS ₂ nanostructured materials for electrode modification in the development of a laccase based amperometric biosensor for non-invasive dopamine detection. <i>Microchemical Journal</i> , 2020, 155, 104792.	4.5	32
14	Astaxanthin from <i>Haematococcus pluvialis</i> as a natural photosensitizer for dye-sensitized solar cell. <i>Algal Research</i> , 2017, 26, 15-24.	4.6	29
15	A general strategy for direct synthesis of reduced graphene oxide by chemical exfoliation of graphite. <i>Materials Chemistry and Physics</i> , 2018, 218, 51-61.	4.0	29
16	Bioelectrochemical Study of Thermostable <i>Pycnoporus sanguineus</i> CS43 Laccase Bioelectrodes Based on Pyrolytic Carbon Nanofibers for Bioelectrocatalytic O ₂ Reduction. <i>ACS Catalysis</i> , 2015, 5, 7507-7518.	11.2	28
17	Groundwater flow processes and mixing in active volcanic systems: the case of Guadalajara (Mexico). <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3937-3950.	4.9	26
18	Bioenergy in Mexico: Status and perspective. <i>Biofuels, Bioproducts and Biorefining</i> , 2015, 9, 8-20.	3.7	26

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19	Assessing Lead, Nickel, and Zinc Pollution in Topsoil from a Historic Shooting Range Rehabilitated into a Public Urban Park. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 698.	2.6	26
20	Spectrofluorimetric determination of irinotecan in the presence of oxidant agents and metal ions. <i>Talanta</i> , 2008, 74, 1484-1491.	5.5	25
21	Fabrication and Characterization of a Low-Cost Microfluidic System for the Manufacture of Alginate-Laccase Microcapsules. <i>Polymers</i> , 2020, 12, 1158.	4.5	22
22	Removal of pharmaceutically active compounds (PhACs) and bacteria inactivation from urban wastewater effluents by UVA-LED photocatalysis with Gd ³⁺ doped BiVO ₄ . <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104540.	6.7	19
23	Enhancing internalization of silica particles in myocardial cells through surface modification. <i>Materials Science and Engineering C</i> , 2017, 79, 831-840.	7.3	16
24	Understanding the dynamics and contamination of an urban aquifer system using groundwater age (¹⁴ C, ³ H, CFCs) and chemistry. <i>Hydrological Processes</i> , 2017, 31, 2365-2380.	2.6	16
25	Electrospun poly(vinylidene fluoride-trifluoroethylene) based flexible magnetoelectric nanofibers. <i>European Polymer Journal</i> , 2018, 109, 336-340.	5.4	16
26	Adsorptive removal of emerging pollutants from groundwater by using modified titanate nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2018, 6, 5332-5340.	6.7	14
27	Bi ₂ O ₃ /rGO/MonO ₃ n-1 all-solid-state ternary Z-scheme for visible-light driven photocatalytic degradation of bisphenol A and acetaminophen in groundwater. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104170.	6.7	14
28	Determination of anticarcinogenic and rescue therapy drugs in urine by photoinduced spectrofluorimetry using multivariate calibration: comparison of several second-order methods. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1119-1127.	3.7	12
29	Congo Red Decolorization Using Textile Filters and Laccase-Based Nanocomposites in Continuous Flow Bioreactors. <i>Nanomaterials</i> , 2020, 10, 1227.	4.1	12
30	Gd ³⁺ doped BiVO ₄ and visible light-emitting diodes (LED) for photocatalytic decomposition of bisphenol A, bisphenol S and bisphenol AF in water. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105842.	6.7	11
31	Multisyringe flow injection spectrophotometric determination of uranium in water samples. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2009, 281, 433-439.	1.5	10
32	Trace element soil contamination at a former shooting range in Athens, Greece. <i>Geoderma Regional</i> , 2017, 10, 191-199.	2.1	8
33	Plasmonic biosensor based on an effective medium theory as a simple tool to predict and analyze refractive index changes. <i>Optics and Laser Technology</i> , 2020, 131, 106332.	4.6	8
34	Treatment of Wastewater, Phenols and Dyes Using Novel Magnetic Torus Microreactors and Laccase Immobilized on Magnetite Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1688.	4.1	8
35	Interaction of TGA@CdTe Quantum Dots with an Extracellular Matrix of <i>Haematococcus pluvialis</i> Microalgae Detected Using Surface-Enhanced Raman Spectroscopy (SERS). <i>Applied Spectroscopy</i> , 2016, 70, 1561-1572.	2.2	6
36	Colorimetric Assay for Detection of Organophosphorus Pesticides by Decrease of Standard Catalytic Activity of Chloroperoxidase. <i>Environmental Engineering Science</i> , 2016, 33, 951-961.	1.6	6

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37	<i>In-Situ</i> Metallization of Thermally-Treated Tobacco Mosaic Virus Using Silver Nanoparticles. Journal of Nanoscience and Nanotechnology, 2017, 17, 4740-4747.	0.9	6
38	Comparison of Acetaminophen Degradation by Laccases Immobilized by Two Different Methods via a Continuous Flow Microreactor Process Scheme. Membranes, 2022, 12, 298.	3.0	6
39	Fast and Environmentally Friendly Quantitative Analysis of Active Agents in Anti-Diabetic Tablets by an Alternative Laser-Induced Breakdown Spectroscopy (LIBS) Method and Comparison to a Validated Reversed-Phase High-Performance Liquid Chromatography (RP-HPLC) Method. Applied Spectroscopy, 2012, 66, 1294-1301.	2.2	5
40	Novel Magnetic Polymeric Filters with Laccase-Based Nanoparticles for Improving Congo Red Decolorization in Bioreactors. Polymers, 2022, 14, 2328.	4.5	5
41	Enhanced Catalytic Dye Decolorization by Microencapsulation of Laccase from P. Sanguineus CS43 in Natural and Synthetic Polymers. Polymers, 2020, 12, 1353.	4.5	4
42	Discrimination of radiosensitive and radioresistant murine lymphoma cells by Raman spectroscopy and SERS. Biomedical Optics Express, 2020, 11, 388.	2.9	4
43	Coupled multisyringe flow injection/reactor tank for the spectrophotometric detection of azinphos methyl in water samples. Mikrochimica Acta, 2009, 167, 273-280.	5.0	3
44	Laccases: A Blue Enzyme for Greener Alternative Technologies in the Detection and Treatment of Emerging Pollutants. , 2017, , 45-65.		3
45	Enhanced Enzymatic Activity of Laccase (from Pycnoporus sanguineus CS43) Immobilized on Sputtered Nanostructured Gold Thin Films. Journal of Nanoscience and Nanotechnology, 2017, 17, 939-946.	0.9	3
46	Influence of Particle Size in the Characterization of Street Dust by Proximal Soil Sensing. Proceedings (mdpi), 2017, 2, .	0.2	2
47	Light-emitting diodes based on quaternary CdZnSeS quantum dots. Journal of Luminescence, 2021, 235, 118025.	3.1	2
48	Proximal soil sensing of trace elements: Interferences on field measurements using XRF. , 2017, , .		1
49	Characterization of Rhodamine 110 adsorbed on carbon-based electrospun nanofibers decorated with gold nanoparticles by Raman spectroscopy and SERS. Materials Research Express, 2019, 6, 125012.	1.6	1
50	The Importance of Land Use Definition in Human Health Risk Assessment Related to Lead in Soils. BioMed Research International, 2019, 2019, 1-9.	1.9	1
51	Lead Determination and Heterogeneity Analysis in Soil from a Former Firing Range. IOP Conference Series: Earth and Environmental Science, 2017, 78, 012008.	0.3	0
52	Ultrasensitive detection of phenolic antioxidants by surface enhanced Raman spectroscopy. , 2017, , .		0
53	Surface enhanced Raman spectroscopy analysis of HeLa cells using a multilayer substrate. , 2017, , .		0