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	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
2	Treatment of Wastewater, Phenols and Dyes Using Novel Magnetic Torus Microreactors and Laccase Immobilized on Magnetite Nanoparticles. Nanomaterials, 2022, 12, 1688.	4.1	8
3	Novel Magnetic Polymeric Filters with Laccase-Based Nanoparticles for Improving Congo Red Decolorization in Bioreactors. Polymers, 2022, 14, 2328.	4.5	5
4	Light-emitting diodes based on quaternary CdZnSeS quantum dots. Journal of Luminescence, 2021, 235, 118025.	3.1	2
5	Gd3+ doped BiVO4 and visible light-emitting diodes (LED) for photocatalytic decomposition of bisphenol A, bisphenol S and bisphenol AF in water. Journal of Environmental Chemical Engineering, 2021, 9, 105842.	6.7	11
6	Plasmonic biosensor based on an effective medium theory as a simple tool to predict and analyze refractive index changes. Optics and Laser Technology, 2020, 131, 106332.	4.6	8
7	Removal of pharmaceutically active compounds (PhACs) and bacteria inactivation from urban wastewater effluents by UVA-LED photocatalysis with Gd3+ doped BiVO4. Journal of Environmental Chemical Engineering, 2020, 8, 104540.	6.7	19
8	Tracking nitrate and sulfate sources in groundwater of an urbanized valley using a multi-tracer approach combined with a Bayesian isotope mixing model. Water Research, 2020, 182, 115962.	11.3	164
9	MoS2 nanostructured materials for electrode modification in the development of a laccase based amperometric biosensor for non-invasive dopamine detection. Microchemical Journal, 2020, 155, 104792.	4.5	32
10	Enhanced Catalytic Dye Decolorization by Microencapsulation of Laccase from P. Sanguineus CS43 in Natural and Synthetic Polymers. Polymers, 2020, 12, 1353.	4.5	4
11	Congo Red Decolorization Using Textile Filters and Laccase-Based Nanocomposites in Continuous Flow Bioreactors. Nanomaterials, 2020, 10, 1227.	4.1	12
12	Bi2O3/rGO/MonO3n-1 all-solid-state ternary Z-scheme for visible-light driven photocatalytic degradation of bisphenol A and acetaminophen in groundwater. Journal of Environmental Chemical Engineering, 2020, 8, 104170.	6.7	14
13	Discrimination of radiosensitive and radioresistant murine lymphoma cells by Raman spectroscopy and SERS. Biomedical Optics Express, 2020, 11, 388.	2.9	4
14	Fabrication and Characterization of a Low-Cost Microfluidic System for the Manufacture of Alginateâ€“Lacasse Microcapsules. Polymers, 2020, 12, 1158.	4.5	22
15	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
16	Control of Multiferroic properties in BiFeO3 nanoparticles. Scientific Reports, 2019, 9, 3182.	3.3	59
17	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
18	Biotransformation of emerging pollutants in groundwater by laccase from P. sanguineus CS43 immobilized onto titania nanoparticles. Journal of Environmental Chemical Engineering, 2018, 6, 710-717.	6.7	51

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19	Electrospun poly(vinylidene fluoride-trifluoroethylene) based flexible magnetoelectric nanofibers. European Polymer Journal, 2018, 109, 336-340.	5.4	16
20	Street dust from a heavily-populated and industrialized city: Evaluation of spatial distribution, origins, pollution, ecological risks and human health repercussions. Ecotoxicology and Environmental Safety, 2018, 159, 198-204.	6.0	55
21	A general strategy for direct synthesis of reduced graphene oxide by chemical exfoliation of graphite. Materials Chemistry and Physics, 2018, 218, 51-61.	4.0	29
22	Adsorptive removal of emerging pollutants from groundwater by using modified titanate nanotubes. Journal of Environmental Chemical Engineering, 2018, 6, 5332-5340.	6.7	14
23	Surface enhanced Raman spectroscopy of phenolic antioxidants: A systematic evaluation of ferulic acid, p -coumaric acid, caffeic acid and sinapic acid. Vibrational Spectroscopy, 2017, 89, 113-122.	2.2	88
24	Enhancing internalization of silica particles in myocardial cells through surface modification. Materials Science and Engineering C, 2017, 79, 831-840.	7.3	16
25	Understanding the dynamics and contamination of an urban aquifer system using groundwater age (¹⁴C, ³H, CFCs) and chemistry. Hydrological Processes, 2017, 31, 2365-2380.	2.6	16
26	Laccases: A Blue Enzyme for Greener Alternative Technologies in the Detection and Treatment of Emerging Pollutants. , 2017, , 45-65.		3
27	Silica nanoparticles induce cardiotoxicity interfering with energetic status and Ca²⁺ handling in adult rat cardiomyocytes. American Journal of Physiology - Heart and Circulatory Physiology, 2017, 312, H645-H661.	3.2	49
28	Differential cytotoxicity and internalization of graphene family nanomaterials in myocardial cells. Materials Science and Engineering C, 2017, 73, 633-642.	7.3	36
29	Astaxanthin from Haematococcus pluvialis as a natural photosensitizer for dye-sensitized solar cell. Algal Research, 2017, 26, 15-24.	4.6	29
30	Trace element soil contamination at a former shooting range in Athens, Greece. Geoderma Regional, 2017, 10, 191-199.	2.1	8
31	Proximal soil sensing of trace elements: Interferences on field measurements using XRF. , 2017, , .		1
32	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
33	In-Situ Metallization of Thermally-Treated Tobacco Mosaic Virus Using Silver Nanoparticles. Journal of Nanoscience and Nanotechnology, 2017, 17, 4740-4747.	0.9	6
34	Assessing Lead, Nickel, and Zinc Pollution in Topsoil from a Historic Shooting Range Rehabilitated into a Public Urban Park. International Journal of Environmental Research and Public Health, 2017, 14, 698.	2.6	26
35	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
36	Influence of Particle Size in the Characterization of Street Dust by Proximal Soil Sensing. Proceedings (mdpi), 2017, 2, .	0.2	2

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37	Ultrasensitive detection of phenolic antioxidants by surface enhanced Raman spectroscopy. , 2017, , .		0
38	Surface enhanced Raman spectroscopy analysis of HeLa cells using a multilayer substrate. , 2017, , .		0
39	Interaction of TGA@CdTe Quantum Dots with an Extracellular Matrix of Haematococcus pluvialis Microalgae Detected Using Surface-Enhanced Raman Spectroscopy (SERS). Applied Spectroscopy, 2016, 70, 1561-1572.	2.2	6
40	Colorimetric Assay for Detection of Organophosphorus Pesticides by Decrease of Standard Catalytic Activity of Chloroperoxidase. Environmental Engineering Science, 2016, 33, 951-961.	1.6	6
41	Biotransformation kinetics of pharmaceutical and industrial micropollutants in groundwaters by a laccase cocktail from Pycnoporus sanguineus CS43 fungi. International Biodeterioration and Biodegradation, 2016, 108, 34-41.	3.9	49
42	Groundwater flow processes and mixing in active volcanic systems: the case of Guadalajara (Mexico). Hydrology and Earth System Sciences, 2015, 19, 3937-3950.	4.9	26
43	Bioelectrochemical Study of ThermostablePycnoporus sanguineusCS43 Laccase Bioelectrodes Based on Pyrolytic Carbon Nanofibers for Bioelectrocatalytic O₂Reduction. ACS Catalysis, 2015, 5, 7507-7518.	11.2	28
44	Extraction and purification of highâ€value metabolites from microalgae: essential lipids, astaxanthin and phycobiliproteins. Microbial Biotechnology, 2015, 8, 190-209.	4.2	354
45	Bioenergy in Mexico: Status and perspective. Biofuels, Bioproducts and Biorefining, 2015, 9, 8-20.	3.7	26
46	Purification and characterization of two thermostable laccases from Pycnoporus sanguineus and potential role in degradation of endocrine disrupting chemicals. Journal of Molecular Catalysis B: Enzymatic, 2014, 108, 32-42.	1.8	123
47	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
48	Screening method for identification of adulterate and fake tequilas by using UVâ€“VIS spectroscopy and chemometrics. Food Research International, 2010, 43, 2356-2362.	6.2	50
49	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
50	Multisyringe flow injection spectrophotometric determination of uranium in water samples. Journal of Radioanalytical and Nuclear Chemistry, 2009, 281, 433-439.	1.5	10
51	Determination of anticarcinogenic and rescue therapy drugs in urine by photoinduced spectrofluorimetry using multivariate calibration: comparison of several second-order methods. Analytical and Bioanalytical Chemistry, 2008, 391, 1119-1127.	3.7	12
52	An environmental friendly method for the automatic determination of hypochlorite in commercial products using multisyringe flow injection analysis. Analytica Chimica Acta, 2008, 611, 182-186.	5.4	69
53	Spectrofluorimetric determination of irinotecan in the presence of oxidant agents and metal ions. Talanta, 2008, 74, 1484-1491.	5.5	25