

Johann F. Osma

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

1,108
citations

623574

14
h-index

395590

33
g-index

44
all docs

44
docs citations

44
times ranked

1556
citing authors

#	ARTICLE	IF	CITATIONS
1	Uses of Laccases in the Food Industry. <i>Enzyme Research</i> , 2010, 2010, 1-8.	1.8	152
2	Sunflower seed shells: A novel and effective low-cost adsorbent for the removal of the diazo dye Reactive Black 5 from aqueous solutions. <i>Journal of Hazardous Materials</i> , 2007, 147, 900-905.	6.5	147
3	Transformation pathway of Remazol Brilliant Blue R by immobilised laccase. <i>Bioresource Technology</i> , 2010, 101, 8509-8514.	4.8	125
4	Cost analysis in laccase production. <i>Journal of Environmental Management</i> , 2011, 92, 2907-2912.	3.8	94
5	Application of response surface methodological approach to optimise Reactive Black 5 decolouration by crude laccase from <i>Trametes pubescens</i> . <i>Journal of Hazardous Materials</i> , 2009, 169, 691-696.	6.5	74
6	Evaluation of toxicity and degradation of a chlorophenol mixture by the laccase produced by <i>Trametes pubescens</i> . <i>Bioresource Technology</i> , 2011, 102, 3632-3635.	4.8	72
7	Enzyme-Based Electrochemical Biosensors for Microfluidic Platforms to Detect Pharmaceutical Residues in Wastewater. <i>Biosensors</i> , 2019, 9, 41.	2.3	60
8	The future point-of-care detection of disease and its data capture and handling. <i>Analytical and Bioanalytical Chemistry</i> , 2016, 408, 2827-2837.	1.9	37
9	Morphology and laccase production of white-rot fungi grown on wheat bran flakes under semi-solid-state fermentation conditions. <i>FEMS Microbiology Letters</i> , 2011, 318, 27-34.	0.7	33
10	Microbial Electrochemical Systems: Deriving Future Trends From Historical Perspectives and Characterization Strategies. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	31
11	Magnetiteâ€“OmpA Nanobioconjugates as Cell-Penetrating Vehicles with Endosomal Escape Abilities. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 415-424.	2.6	28
12	Mandarin peelings: The best carbon source to produce laccase by static cultures of <i>Trametes pubescens</i> . <i>Chemosphere</i> , 2007, 67, 1677-1680.	4.2	25
13	Fabrication and Characterization of a Low-Cost Microfluidic System for the Manufacture of Alginateâ€“Laccase Microcapsules. <i>Polymers</i> , 2020, 12, 1158.	2.0	22
14	Design, Screening, and Testing of Non-Rational Peptide Libraries with Antimicrobial Activity: In Silico and Experimental Approaches. <i>Antibiotics</i> , 2020, 9, 854.	1.5	20
15	Biomicrosystem design and fabrication for the human papilloma virus 16 detection. <i>Sensors and Actuators B: Chemical</i> , 2015, 207, 97-104.	4.0	16
16	Synthesis of Nanoscale Liposomes via Low-Cost Microfluidic Systems. <i>Micromachines</i> , 2020, 11, 1050.	1.4	14
17	Bioelectrochemical Detection of <i>Mycobacterium tuberculosis</i> ESAT-6 in an Antibody-Based Biomicrosystem. <i>Sensors</i> , 2017, 17, 2178.	2.1	13
18	Novel Bionanocompounds: Outer Membrane Protein A and Laccase Co-Immobilized on Magnetite Nanoparticles for Produced Water Treatment. <i>Nanomaterials</i> , 2020, 10, 2278.	1.9	12

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19	Congo Red Decolorization Using Textile Filters and Laccase-Based Nanocomposites in Continuous Flow Bioreactors. <i>Nanomaterials</i> , 2020, 10, 1227.	1.9	12
20	Functionalized Leather: a Novel and Effective Hazardous Solid Waste Adsorbent for the Removal of the Diazo Dye Congo Red from Aqueous Solution. <i>Water (Switzerland)</i> , 2019, 11, 1906.	1.2	11
21	Microfluidic Synthesis and Purification of Magnetoliposomes for Potential Applications in the Gastrointestinal Delivery of Difficult-to-Transport Drugs. <i>Pharmaceutics</i> , 2022, 14, 315.	2.0	9
22	Environmental, scanning electron and optical microscope image analysis software for determining volume and occupied area of solid-state fermentation fungal cultures. <i>Biotechnology Journal</i> , 2011, 6, 45-55.	1.8	8
23	Portable and Low-Cost Respirometric Microsystem for the Static and Dynamic Respirometry Monitoring of Compost. <i>Sensors</i> , 2019, 19, 4132.	2.1	8
24	Toxicity of Modified Magnetite-Based Nanocomposites Used for Wastewater Treatment and Evaluated on Zebrafish (<i>Danio rerio</i>) Model. <i>Nanomaterials</i> , 2022, 12, 489.	1.9	8
25	Treatment of Wastewater, Phenols and Dyes Using Novel Magnetic Torus Microreactors and Laccase Immobilized on Magnetite Nanoparticles. <i>Nanomaterials</i> , 2022, 12, 1688.	1.9	8
26	Chlordetect: Commercial Calcium Aluminate Based Conductimetric Sensor for Chloride Presence Detection. <i>Sensors</i> , 2017, 17, 2099.	2.1	7
27	Regional Evaluation of Fungal Pathogen Incidence in Colombian Cocoa Crops. <i>Agriculture (Switzerland)</i> , 2019, 9, 44.	1.4	7
28	Fully Automated Microsystem for Unmediated Electrochemical Characterization, Visualization and Monitoring of Bacteria on Solid Media; <i>E. coli</i> K-12: A Case Study. <i>Biosensors</i> , 2019, 9, 131.	2.3	7
29	Magnetite Nanoparticles Functionalized with RNases against Intracellular Infection of <i>Pseudomonas aeruginosa</i> . <i>Pharmaceutics</i> , 2020, 12, 631.	2.0	6
30	Microfluidics for Multiphase Mixing and Liposomal Encapsulation of Nanobioconjugates: Passive vs. Acoustic Systems. <i>Fluids</i> , 2021, 6, 309.	0.8	6
31	Comparison of Acetaminophen Degradation by Laccases Immobilized by Two Different Methods via a Continuous Flow Microreactor Process Scheme. <i>Membranes</i> , 2022, 12, 298.	1.4	6
32	Functionalization and Evaluation of Inorganic Adsorbents for the Removal of Cadmium in Wastewater. <i>Molecules</i> , 2021, 26, 4150.	1.7	5
33	Novel Magnetic Polymeric Filters with Laccase-Based Nanoparticles for Improving Congo Red Decolorization in Bioreactors. <i>Polymers</i> , 2022, 14, 2328.	2.0	5
34	A new copper(I) coordination polymer from 2,6-bis(1H-benzotriazol-1-ylmethyl)pyridine: Synthesis, characterization, and use as additive in transparent submicron UV filters. <i>Journal of Coordination Chemistry</i> , 2017, 70, 3363-3378.	0.8	4
35	Enhanced Catalytic Dye Decolorization by Microencapsulation of Laccase from <i>P. Sanguineus</i> CS43 in Natural and Synthetic Polymers. <i>Polymers</i> , 2020, 12, 1353.	2.0	4
36	Blood-Vessel-Inspired Hierarchical Trilayer Scaffolds: PCL/Gelatin-Driven Protein Adsorption and Cellular Interaction. <i>Polymers</i> , 2022, 14, 2135.	2.0	4

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37	Continuous Nanoprecipitation of Polycaprolactone in Additively Manufactured Micromixers. <i>Polymers</i> , 2022, 14, 1509.	2.0	3
38	CFD Analysis and Life Cycle Assessment of Continuous Synthesis of Magnetite Nanoparticles Using 2D and 3D Micromixers. <i>Micromachines</i> , 2022, 13, 970.	1.4	3
39	Modeling and Simulation of Multiphase Flow for Nanoparticle Translocation. <i>Materials Proceedings</i> , 2020, 4, .	0.2	1
40	Design and Manufacture of a Low-Cost Microfluidic System for the Synthesis of Giant Liposomes for the Encapsulation of Yeast Homologues: Applications in the Screening of Membrane-Active Peptide Libraries. <i>Micromachines</i> , 2021, 12, 1377.	1.4	1
41	Design, Simulation, and Fabrication of a Copper-Chrome-Based Glass Heater Integrated into a PMMA Microfluidic System. <i>Micromachines</i> , 2021, 12, 1067.	1.4	0
42	In Silico Analysis of Microfluidic Systems for the Purification of Magnetoliposomes. <i>Materials Proceedings</i> , 2021, 4, 90.	0.2	0
43	Design and Simulation of a Microfluidic Platform for the Encapsulation and Separation of Yeasts Expressing Translocating Peptides. <i>Materials Proceedings</i> , 2020, 4, .	0.2	0
44	In Silico Analysis of Microfluidic Systems for the Purification of Magnetoliposomes. <i>Materials Proceedings</i> , 2021, 4, 73.	0.2	0