

Antonio Zuorro

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,876
citations

159585

30
h-index

197818

49
g-index

105
all docs

105
docs citations

105
times ranked

3505
citing authors

#	ARTICLE	IF	CITATIONS
1	Recovery of Natural Antioxidants from Spent Coffee Grounds. <i>Journal of Agricultural and Food Chemistry</i> , 2013, 61, 4162-4168.	5.2	205
2	Spent coffee grounds as a valuable source of phenolic compounds and bioenergy. <i>Journal of Cleaner Production</i> , 2012, 34, 49-56.	9.3	197
3	Enzyme-assisted extraction of lycopene from tomato processing waste. <i>Enzyme and Microbial Technology</i> , 2011, 49, 567-573.	3.2	151
4	Microalgae-based biorefineries for sustainable resource recovery from wastewater. <i>Journal of Water Process Engineering</i> , 2021, 40, 101747.	5.6	143
5	Evaluation of UV/H ₂ O ₂ advanced oxidation process (AOP) for the degradation of diazo dye Reactive Green 19 in aqueous solution. <i>Desalination and Water Treatment</i> , 2014, 52, 1571-1577.	1.0	94
6	Integrated Approach for Wastewater Treatment and Biofuel Production in Microalgae Biorefineries. <i>Energies</i> , 2021, 14, 2282.	3.1	91
7	Response surface methodology (RSM) analysis of photodegradation of sulfonated diazo dye Reactive Green 19 by UV/H ₂ O ₂ process. <i>Journal of Environmental Management</i> , 2013, 127, 28-35.	7.8	85
8	Improved lycopene extraction from tomato peels using cell-wall degrading enzymes. <i>European Food Research and Technology</i> , 2008, 228, 153-158.	3.3	83
9	Valorization and extraction of cellulose nanocrystals from North African grass: <i>Amelodesmos mauritanicus</i> (Diss). <i>Carbohydrate Polymers</i> , 2019, 209, 328-337.	10.2	77
10	Optimization of enzyme-assisted lipid extraction from <i>Nannochloropsis</i> microalgae. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 67, 106-114.	5.3	70
11	Enzyme-Assisted Production of Tomato Seed Oil Enriched with Lycopene from Tomato Pomace. <i>Food and Bioprocess Technology</i> , 2013, 6, 3499-3509.	4.7	67
12	Degradation and antibiotic activity reduction of chloramphenicol in aqueous solution by UV/H ₂ O ₂ process. <i>Journal of Environmental Management</i> , 2014, 133, 302-308.	7.8	65
13	Photocatalytic Degradation of Azo Dye Reactive Violet 5 on Fe-Doped Titania Catalysts under Visible Light Irradiation. <i>Catalysts</i> , 2019, 9, 645.	3.5	60
14	Green extraction of value-added compounds from microalgae: A short review on natural deep eutectic solvents (NaDES) and related pre-treatments. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105989.	6.7	59
15	Reuse potential of artichoke (<i>Cynara scolimus</i> L.) waste for the recovery of phenolic compounds and bioenergy. <i>Journal of Cleaner Production</i> , 2016, 111, 279-284.	9.3	58
16	Microorganisms: A Potential Source of Bioactive Molecules for Antioxidant Applications. <i>Molecules</i> , 2021, 26, 1142.	3.8	58
17	Water-Organic Solvent Extraction of Phenolic Antioxidants from Brewers' Spent Grain. <i>Processes</i> , 2019, 7, 126.	2.8	57
18	Effect of an enzymatic treatment with cellulase and mannanase on the structural properties of <i>Nannochloropsis</i> microalgae. <i>Bioresource Technology</i> , 2018, 249, 592-598.	9.6	55

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19	Green Synthesis of Silver Nanoparticles Using Bilberry and Red Currant Waste Extracts. <i>Processes</i> , 2019, 7, 193.	2.8	52
20	UV-assisted electrochemical degradation of coumarin on boron-doped diamond electrodes. <i>Chemical Engineering Journal</i> , 2017, 323, 512-519.	12.7	48
21	UHPLC-PDA-ESI-TOF/MS metabolic profiling and antioxidant capacity of arabica and robusta coffee silverskin: Antioxidants vs phytotoxins. <i>Food Research International</i> , 2017, 99, 155-165.	6.2	47
22	Enhanced lipid recovery from <i>Nannochloropsis</i> microalgae by treatment with optimized cell wall degrading enzyme mixtures. <i>Bioresource Technology</i> , 2016, 212, 35-41.	9.6	46
23	Recycling coffee silverskin in sustainable composites based on a poly(butylene) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 587 Td (a Products, 2018, 118, 311-320.	5.2	45
24	Kinetic modeling of azo dye adsorption on non-living cells of <i>Nannochloropsis oceanica</i> . <i>Journal of Environmental Chemical Engineering</i> , 2017, 5, 4121-4127.	6.7	44
25	Mild Enzymatic Method for the Extraction of Lycopene from Tomato Paste. <i>Biotechnology and Biotechnological Equipment</i> , 2010, 24, 1854-1857.	1.3	39
26	Treatment of diazo dye Reactive Green 19 by anodic oxidation on a boron-doped diamond electrode. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 116-121.	5.8	38
27	Effect of Different Compatibilizers on Sustainable Composites Based on a PHBV/PBAT Matrix Filled with Coffee Silverskin. <i>Polymers</i> , 2018, 10, 1256.	4.5	36
28	Optimization of polyphenol recovery from espresso coffee residues using factorial design and response surface methodology. <i>Separation and Purification Technology</i> , 2015, 152, 64-69.	7.9	34
29	Use of cell wall degrading enzymes to improve the recovery of lipids from <i>Chlorella sorokiniana</i> . <i>Chemical Engineering Journal</i> , 2019, 377, 120325.	12.7	34
30	Enhanced Lycopene Extraction from Tomato Peels by Optimized Mixed-Polarity Solvent Mixtures. <i>Molecules</i> , 2020, 25, 2038.	3.8	34
31	INFLUENCE OF EXTRACTION CONDITIONS ON THE RECOVERY OF PHENOLIC ANTIOXIDANTS FROM SPENT COFFEE GROUNDS. <i>American Journal of Applied Sciences</i> , 2013, 10, 478-486.	0.2	32
32	Environmental Assessment of Large Scale Production of Magnetite (Fe ₃ O ₄) Nanoparticles via Coprecipitation. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 1682.	2.5	31
33	Application of a novel definitive screening design to decolorization of an azo dye on boron-doped diamond electrodes. <i>International Journal of Environmental Science and Technology</i> , 2016, 13, 835-842.	3.5	28
34	Vinasse as a Sustainable Medium for the Production of <i>Chlorella vulgaris</i> UTEX 1803. <i>Water (Switzerland)</i> , 2019, 11, 1526.	2.7	28
35	Artichoke (<i>Cynara cardunculus</i> L. var. <i>scolymus</i>) waste as a natural source of carbonyl trapping and antiglycative agents. <i>Food Research International</i> , 2017, 100, 780-790.	6.2	27
36	The Application of Catalytic Processes on the Production of Algae-Based Biofuels: A Review. <i>Catalysts</i> , 2021, 11, 22.	3.5	23

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37	Optimization of Enzyme-Assisted Extraction of Flavonoids from Corn Husks. <i>Processes</i> , 2019, 7, 804.	2.8	21
38	Enhancement of Phycobiliprotein Accumulation in Thermotolerant <i>Oscillatoria</i> sp. through Media Optimization. <i>ACS Omega</i> , 2021, 6, 10527-10536.	3.5	20
39	An Innovative Low-Cost Equipment for Electro-Concentration of Microalgal Biomass. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4841.	2.5	19
40	RESPONSE SURFACE METHODOLOGY ANALYSIS OF POLYPHENOL RECOVERY FROM ARTICHOKE WASTE. <i>American Journal of Applied Sciences</i> , 2014, 11, 1463-1471.	0.2	18
41	Artichoke Waste as a Source of Phenolic Antioxidants and Bioenergy. <i>Waste and Biomass Valorization</i> , 2019, 10, 2975-2984.	3.4	18
42	Tea Waste: A New Adsorbent for the Removal of Reactive Dyes from Textile Wastewater. <i>Advanced Materials Research</i> , 2013, 803, 26-29.	0.3	17
43	Cocoa protective effects against abnormal fat storage and oxidative stress induced by a high-fat diet involve PPAR α signalling activation. <i>Food and Function</i> , 2014, 5, 2931-2939.	4.6	16
44	Economic Evaluation and Techno-Economic Sensitivity Analysis of a Mass Integrated Shrimp Biorefinery in North Colombia. <i>Polymers</i> , 2020, 12, 2397.	4.5	16
45	Sustainable Management of Secondary Raw Materials from the Marine Food-Chain: A Case-Study Perspective. <i>Sustainability</i> , 2020, 12, 8997.	3.2	16
46	Degradation of chloramphenicol in water by oxidation on a boron-doped diamond electrode under UV irradiation. <i>Journal of Water Process Engineering</i> , 2021, 41, 101995.	5.6	14
47	Enhanced antibacterial and anti-quorum sensing activities of triclosan by complexation with modified β -cyclodextrins. <i>World Journal of Microbiology and Biotechnology</i> , 2013, 29, 1731-1736.	3.6	13
48	Solubility Enhancement and Antibacterial Activity of Chloramphenicol Included in Modified β -Cyclodextrins. <i>Bulletin of the Korean Chemical Society</i> , 2010, 31, 3460-3462.	1.9	13
49	Fruit and Vegetable Wholesale Market Waste: Safety and Nutritional Characterisation for Their Potential Re-Use in Livestock Nutrition. <i>Sustainability</i> , 2021, 13, 9478.	3.2	12
50	Removal of Nutrients and Pesticides from Agricultural Runoff Using Microalgae and Cyanobacteria. <i>Water (Switzerland)</i> , 2022, 14, 558.	2.7	11
51	Modeling and optimization of Reactive Green 19 oxidation on a BDD thin-film electrode. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2015, 51, 152-158.	5.3	10
52	Evaluating the feasibility of a pilot-scale shrimp biorefinery via techno-economic analysis. <i>Journal of Cleaner Production</i> , 2021, 320, 128740.	9.3	9
53	Water Activity Prediction in Sugar and Polyol Systems Using Theoretical Molecular Descriptors. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11044.	4.1	9
54	A tunable deep eutectic solvent-based processing for valorization of chestnut wood fiber as a source of ellagic acid and lignin. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107773.	6.7	9

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55	Thermal and mechanical behavior of thermoplastic composites reinforced with fibers enzymatically extracted from <i>Ampelodesmos mauritanicus</i> . <i>Polymer Engineering and Science</i> , 2019, 59, 2418-2428.	3.1	8
56	Methylglyoxal: A New Weapon against Staphylococcal Wound Infections?. <i>Chemistry Letters</i> , 2010, 39, 322-323.	1.3	7
57	Preparation and Characterization of Magnetically Responsive Biosorbents from Coffee Industry Residues. <i>Applied Mechanics and Materials</i> , 0, 394, 3-7.	0.2	7
58	Optimization of Enzyme-Assisted Lycopene Extraction from Tomato Processing Waste. <i>Advanced Materials Research</i> , 0, 800, 173-176.	0.3	7
59	Antibacterial and Anti-Quorum Sensing Activities of Selected Italian Honeys against Antibiotic-Resistant Pathogens. <i>OnLine Journal of Biological Sciences</i> , 2015, 15, 236-243.	0.4	7
60	Extraction of Bioactive Polyphenols with High Antioxidant Activity from Bilberry (<i>Vaccinium</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 T	0.3	7
61	Surface Modification of Flax Yarns by Enzymatic Treatment and Their Interfacial Adhesion with Thermoset Matrices. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 2910.	2.5	7
62	Inherent Safety Analysis and Sustainability Evaluation of Chitosan Production from Shrimp Exoskeleton in Colombia. <i>Water (Switzerland)</i> , 2021, 13, 553.	2.7	6
63	The Circular Economy Approach to Improving CNP Ratio in Inland Fishery Wastewater for Increasing Algal Biomass Production. <i>Water (Switzerland)</i> , 2022, 14, 749.	2.7	6
64	Comparison of sunlight-AOPs for levofloxacin removal: kinetics, transformation products, and toxicity assay on <i>Escherichia coli</i> and <i>Micrococcus flavus</i> . <i>Environmental Science and Pollution Research</i> , 2022, 29, 58201-58211.	5.3	6
65	Evaluation of Shrimp Waste Valorization Combining Computer-Aided Simulation and Numerical Descriptive Inherent Safety Technique (NuDIST). <i>Applied Sciences (Switzerland)</i> , 2020, 10, 5339.	2.5	5
66	Protective effect of nicotinic acid on human albumin during UV-C irradiation. <i>Korean Journal of Chemical Engineering</i> , 2011, 28, 1965.	2.7	4
67	Enhancement of Metabolite Production in High-Altitude Microalgal Strains by Optimized C/N/P Ratio. <i>Applied Sciences (Switzerland)</i> , 2022, 12, 6779.	2.5	4
68	Effect of Trehalose on Thermal Stability of Bovine Serum Albumin. <i>Chemistry Letters</i> , 2010, 39, 38-39.	1.3	3
69	Experimental study on the interaction between lead and serum albumin. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2012, 7, S329.	1.5	3
70	A Simulation Analysis of a Microalgal-Production Plant for the Transformation of Inland-Fisheries Wastewater in Sustainable Feed. <i>Water (Switzerland)</i> , 2022, 14, 250.	2.7	3
71	Kinetics of Lycopene Degradation in Sunflower and Grape Seed Oils. <i>Oriental Journal of Chemistry</i> , 2018, 34, 2229-2235.	0.3	2
72	Modelling of Polyphenol Recovery from Olive Pomace by Response Surface Methodology. <i>International Review on Modelling and Simulations</i> , 2014, 7, 1023.	0.3	2

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73	A Simulation Analysis of an Influenza Vaccine Production Plant in Areas of High Humanitarian Flow. A Preliminary Study for the Region of Norte de Santander (Colombia). Applied Sciences (Switzerland), 2022, 12, 183.	2.5	2
74	Removal of Methylene Blue from Aqueous Solution by Adsorption on Low-Grade Green Coffee Beans. Advanced Materials Research, 0, 800, 72-76.	0.3	1
75	Cellulase Applications in Pigment and Bioactive Compound Extraction. , 2016, , 209-222.		1
76	Protection of Human Albumin against UV-C Irradiation by Natural Antioxidants. American Journal of Biochemistry and Biotechnology, 2018, 14, 247-254.	0.4	1
77	Chloramphenicol Removal from Wastewater by UV/H ₂ O ₂ Advanced Oxidation Process. Advanced Materials Research, 2013, 800, 565-568.	0.3	0
78	Enzyme-assisted extraction of fibres from Ampelodesmos mauritanicus and mechanical characterization of their composites. AIP Conference Proceedings, 2018, , .	0.4	0
79	Application of Chlorella sp. and Scenedesmus sp. in the Bioconversion of Urban Leachates into Industrially Relevant Metabolites. Applied Sciences (Switzerland), 2022, 12, 2462.	2.5	0
80	A NEW THERMAL PROCESS FOR THE RECOVERY OF METALS FROM ZINC-CARBON AND ALKALINE SPENT BATTERIES. American Journal of Applied Sciences, 2014, 11, 1566-1572.	0.2	0