

Claudio A Zaror

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2178515/publications.pdf>

Version: 2024-02-01

96
papers

3,233
citations

172386

29
h-index

161767

54
g-index

98
all docs

98
docs citations

98
times ranked

3930
citing authors

#	ARTICLE	IF	CITATIONS
1	The Life Cycle Sustainability Indicators for Electricity Generation in Chile: Challenges in the Use of Primary Information. , 2022, , 229-239.		0
2	Promoviendo el trabajo colaborativo y retroalimentaci3n en un programa de postgrado multidisciplinario. Revista De Estudios Y Experiencias En Educaci3n, 2022, 21, 475-495.	0.1	0
3	Catalytic Ozonation of Toluene over Acidic Surface Transformed Natural Zeolite: A Dual-Site Reaction Mechanism and Kinetic Approach. Catalysts, 2021, 11, 958.	1.6	1
4	Ethylene adsorption onto natural and transition metal modified Chilean zeolite: An operando DRIFTS approach. Microporous and Mesoporous Materials, 2019, 274, 138-148.	2.2	42
5	Comparative assessment of sustainable development in South American countries on the basis of the Sustainable Society Index. International Journal of Sustainable Development and World Ecology, 2019, 26, 90-98.	3.2	11
6	Catalytic Ozonation of Toluene Using Chilean Natural Zeolite: The Key Role of Br3nsted and Lewis Acid Sites. Catalysts, 2018, 8, 211.	1.6	12
7	Environmental impact profile of electricity generation in Chile: A baseline study over two decades. Renewable and Sustainable Energy Reviews, 2018, 94, 154-167.	8.2	14
8	The effect of solar energy on the environmental profile of electricity generation in Chile: a midterm scenario. International Journal of Energy Production and Management, 2018, 3, 110-121.	1.9	5
9	Role of oxygen-containing functional surface groups of activated carbons on the elimination of 2-hydroxybenzothiazole from waters in A hybrid heterogeneous ozonation system. Journal of Advanced Oxidation Technologies, 2017, 20, .	0.5	1
10	Ammonia emissions from livestock production in Chile: an inventory and uncertainty analysis. Journal of Soil Science and Plant Nutrition, 2016, , 0-0.	1.7	3
11	Removal of Benzothiazole from Contaminated Waters by Ozonation: The Role of Direct and Indirect Ozone Reactions. Journal of Advanced Oxidation Technologies, 2016, 19, .	0.5	4
12	Exergoeconomic valuation of a waste-based integrated combined cycle (WICC) for heat and power production. Energy, 2016, 114, 239-252.	4.5	37
13	Life-Cycle Assessment of coal3biomass based electricity in Chile: Focus on using raw vs torrefied wood. Energy for Sustainable Development, 2015, 29, 81-90.	2.0	51
14	Membrane treatment of alkaline bleaching effluents from elementary chlorine free kraft softwood cellulose production. Environmental Technology (United Kingdom), 2015, 36, 890-900.	1.2	1
15	Treatment of cellulose bleaching effluents and their filtration permeates by anodic oxidation with H2O2 production. Journal of Chemical Technology and Biotechnology, 2015, 90, 2017-2026.	1.6	18
16	Oxidative regeneration of toluene-saturated natural zeolite by gaseous ozone: The influence of zeolite chemical surface characteristics. Journal of Hazardous Materials, 2014, 274, 212-220.	6.5	39
17	Oxidative degradation of sulfathiazole by Fenton and photo-Fenton reactions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2014, 49, 661-670.	0.9	40
18	Development of a bienzymatic amperometric biosensor to determine uric acid in human serum, based on mesoporous silica (MCM-41) for enzyme immobilization. Sensors and Actuators B: Chemical, 2014, 195, 58-62.	4.0	36

#	ARTICLE	IF	CITATIONS
19	Control of released volatile organic compounds from industrial facilities using natural and acid-treated mordenites: The role of acidic surface sites on the adsorption mechanism. <i>Chemical Engineering Journal</i> , 2014, 244, 117-127.	6.6	36
20	Treatment of a Mixture of Chloromethoxyphenols in Hypochlorite Medium by Electrochemical AOPs as an Alternative for the Remediation of Pulp and Paper Mill Process Waters. <i>Electrocatalysis</i> , 2013, 4, 212-223.	1.5	16
21	Phenylmercury degradation by heterogeneous photocatalysis assisted by UV-A light. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2013, 48, 1642-1648.	0.9	6
22	Development of a Bi enzymatic Amperometric Glucose Biosensor Using Mesoporous Silica (MCM-41) for Enzyme Immobilization and Its Application on Liquid Pharmaceutical Formulations. <i>Electroanalysis</i> , 2013, 25, 308-315.	1.5	11
23	BTX abatement using Chilean natural zeolite: the role of Brønsted acid sites. <i>Water Science and Technology</i> , 2012, 66, 1759-1765.	1.2	19
24	Role of surface hydroxyl groups of acid-treated natural zeolite on the heterogeneous catalytic ozonation of methylene blue contaminated waters. <i>Chemical Engineering Journal</i> , 2012, 211-212, 388-395.	6.6	78
25	Methylene blue removal from contaminated waters using heterogeneous catalytic ozonation promoted by natural zeolite: mechanism and kinetic approach. <i>Environmental Technology (United Kingdom)</i> , 2012, 33, 1743-1751.	0.78	14
26	Natural zeolite reactivity towards ozone: The role of compensating cations. <i>Journal of Hazardous Materials</i> , 2012, 227-228, 34-40.	6.5	44
27	Advanced Electrochemical Oxidation of Ultrafiltration Permeates from Cellulose Bleaching Effluents. <i>Journal of Advanced Oxidation Technologies</i> , 2012, 15, .	0.5	0
28	Influence of Volcanic Sand Surface Hydroxyl Groups on the Heterogeneous Catalytic Ozonation of Methylene Blue Contaminated Waters. <i>Journal of Advanced Oxidation Technologies</i> , 2012, 15, .	0.5	0
29	Modelling methanol recovery in wine distillation stills with packing columns. <i>Food Control</i> , 2011, 22, 1322-1332.	2.8	24
30	Influence of Chemical Surface Characteristics of Natural Zeolite on Catalytic Ozone Abatement. <i>Ozone: Science and Engineering</i> , 2011, 33, 279-284.	1.4	11
31	Electrochemical Treatment of Segregated Effluents from the D-Stage in ECF Kraft Cellulose Bleaching. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	0
32	Impacto del tratamiento con ozono sobre las propiedades superficiales del carbón activado. <i>Ingeniare</i> , 2011, 19, 174-185.	0.1	3
33	Natural Zeolite Reactivity Towards Ozone: The Role of Acid Surface Sites. <i>Journal of Advanced Oxidation Technologies</i> , 2011, 14, .	0.5	6
34	Arsenic Mobilization by Epilithic Bacterial Communities Associated with Volcanic Rocks from Camarones River, Atacama Desert, Northern Chile. <i>Archives of Environmental Contamination and Toxicology</i> , 2011, 61, 185-192.	2.1	17
35	<i>Pseudomonas arsenicoxydans</i> sp nov., an arsenite-oxidizing strain isolated from the Atacama desert. <i>Systematic and Applied Microbiology</i> , 2010, 33, 193-197.	1.2	54
36	Heterogeneous catalytic ozonation of cationic dyes using volcanic sand. <i>Water Science and Technology</i> , 2010, 61, 2973-2978.	1.2	9

#	ARTICLE	IF	CITATIONS
37	Effect of Zeolite Chemical Surface Properties on Catalytic Ozonation of Methylene Blue Contaminated Waters. <i>Ozone: Science and Engineering</i> , 2010, 32, 344-348.	1.4	9
38	Kinetic study of Imidacloprid removal by advanced oxidation based on photo-Fenton process. <i>Environmental Technology (United Kingdom)</i> , 2010, 31, 1411-1416.	1.2	19
39	INFLUENCIA DE LA COMPOSICIÓN QUÍMICA SUPERFICIAL DEL CARBÓN ACTIVADO EN LA ADSORCIÓN DE BENZOTIAZOLES. <i>Ingeniare</i> , 2010, 18, .	0.1	2
40	ELIMINACIÓN DE COLORANTES CATIONICOS USANDO OZONO, ZEOLITA NATURAL Y OZONO/ZEOLITA. <i>Ingeniare</i> , 2009, 17, .	0.1	1
41	Isolation of arsenite-oxidizing bacteria from a natural biofilm associated to volcanic rocks of Atacama Desert, Chile. <i>Journal of Basic Microbiology</i> , 2009, 49, S93-7.	1.8	26
42	Isolation of Arsenite-Oxidizing Bacteria from Arsenic-Enriched Sediments from Camarones River, Northern Chile. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 82, 593-596.	1.3	45
43	Arsenic Resistant Bacteria Isolated from Arsenic Contaminated River in the Atacama Desert (Chile). <i>Bulletin of Environmental Contamination and Toxicology</i> , 2009, 83, 657-661.	1.3	68
44	Catalytic ozone aqueous decomposition promoted by natural zeolite and volcanic sand. <i>Journal of Hazardous Materials</i> , 2009, 165, 915-922.	6.5	96
45	Methylene blue removal from contaminated waters using O ₃ , natural zeolite, and O ₃ /zeolite. <i>Water Science and Technology</i> , 2009, 60, 1419-1424.	1.2	13
46	Imidacloprid oxidation by photo-Fenton reaction. <i>Journal of Hazardous Materials</i> , 2008, 150, 679-686.	6.5	94
47	Heterogeneous catalytic ozonation of benzothiazole aqueous solution promoted by volcanic sand. <i>Journal of Hazardous Materials</i> , 2008, 153, 1036-1042.	6.5	65
48	Effect of temperature on Imidacloprid oxidation by homogeneous photo-Fenton processes. <i>Water Science and Technology</i> , 2008, 58, 259-265.	1.2	8
49	Coupling of Photocatalytic and Biological Reactors to Remove EDTA-Fe from Aqueous Solution. <i>Environmental Technology (United Kingdom)</i> , 2007, 28, 123-127.	1.2	7
50	Contaminación del Aire Atmosférico por Material Particulado en una Ciudad Intermedia: El Caso de Chillán (Chile). <i>Informacion Tecnologica (discontinued)</i> , 2007, 18, .	0.1	10
51	DEGRADATION OF EDTA IN A TOTAL CHLORINE FREE CELLULOSE PULP BLEACHING EFFLUENT BY UV/H ₂ O ₂ TREATMENT. <i>Journal of the Chilean Chemical Society</i> , 2007, 52, .	0.5	3
52	Analysis of Aerosol Particles and Coarse Particulate Matter Concentrations in Chillán, Chile, 2001-2003. <i>Journal of the Air and Waste Management Association</i> , 2006, 56, 152-158.	0.9	8
53	Heterogeneous and homogeneous catalytic ozonation of benzothiazole promoted by activated carbon: Kinetic approach. <i>Chemosphere</i> , 2006, 65, 1131-1136.	4.2	110
54	Environmental evidence of fossil fuel pollution in Laguna Chica de San Pedro lake sediments (Central) Tj ETQq0 0 0,rgBT /Overlock 10 Tf	3.7	19

#	ARTICLE	IF	CITATIONS
55	Degradation and inactivation of tetracycline by TiO ₂ photocatalysis. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006, 184, 141-146.	2.0	285
56	Ozonation of benzothiazole saturated-activated carbons: Influence of carbon chemical surface properties. <i>Journal of Hazardous Materials</i> , 2006, 137, 1042-1048.	6.5	57
57	Monitoring Phenolic Compounds During Biological Treatment of Kraft Pulp Mill Effluent Using Bacterial Biosensors. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2006, 77, 383-390.	1.3	2
58	Effects of pulp and paper mill effluents on the microplankton and microbial self-purification capabilities of the Biobío River, Chile. <i>Science of the Total Environment</i> , 2006, 359, 194-208.	3.9	113
59	EVIDENTIAL CHROMATE BIOREDUCTION BY CAPILLARY ZONE ELECTROPHORESIS. <i>Journal of the Chilean Chemical Society</i> , 2006, 51, .	0.5	1
60	Improving the value of sugarcane bagasse wastes via integrated chemical production systems: an environmentally friendly approach. <i>Industrial Crops and Products</i> , 2005, 21, 309-315.	2.5	40
61	Chromate Reduction by <i>Serratia marcescens</i> Isolated From Tannery Effluent. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2005, 75, 400-406.	1.3	30
62	Kinetic study of reactions between ozone and benzothiazole in water. <i>Water Science and Technology</i> , 2004, 48, 505-510.	1.2	14
63	Detection of Chlorinated Phenols in Kraft Pulp Bleaching Effluents Using DmpR Mutant Strains. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2004, 73, 666-73.	1.3	7
64	A study of the particulate matter PM10 composition in the atmosphere of Chillán, Chile. <i>Chemosphere</i> , 2004, 54, 541-550.	4.2	57
65	Combined Physical-Chemical and Biological Treatment of Poorly Biodegradable Industrial Effluents. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2003, 38, 2201-2208.	0.9	9
66	CHEMICAL CHARACTERIZATION OF THE INHALABLE PARTICULATE MATTER IN CITY OF CHILLAN, CHILE. <i>Journal of the Chilean Chemical Society</i> , 2003, 48, .	0.5	6
67	Ozonation of 1-Naphthalene, 1,5-Naphthalene, and 3-Nitrobenzene Sulphonic Acids in Aqueous Solutions. <i>Environmental Technology (United Kingdom)</i> , 2002, 23, 373-380.	1.2	12
68	Nitrifying Biomass Acclimation to High Ammonia Concentration. <i>Journal of Environmental Engineering, ASCE</i> , 2002, 128, 367-375.	0.7	15
69	Degradation of naphthalenesulfonic acids by oxidation with ozone in aqueous phase. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 1129-1134.	1.3	35
70	Effect of Ozone Treatment on Surface Properties of Activated Carbon. <i>Langmuir</i> , 2002, 18, 2111-2116.	1.6	385
71	Advanced oxidation with ozone of 1,3,6-naphthalenetrisulfonic acid in aqueous solution. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 148-154.	1.6	22
72	Effect of ozone and ozone/activated carbon treatments on genotoxic activity of naphthalenesulfonic acids. <i>Journal of Chemical Technology and Biotechnology</i> , 2002, 77, 883-890.	1.6	34

#	ARTICLE	IF	CITATIONS
73	Ozonation of 1,2-dihydroxybenzene in the presence of activated carbon. <i>Water Science and Technology</i> , 2001, 44, 125-130.	1.2	12
74	Kinetics and toxicity of direct reaction between ozone and 1,2-dihydrobenzene in dilute aqueous solution. <i>Water Science and Technology</i> , 2001, 43, 321-326.	1.2	29
75	Title is missing!. <i>Hydrobiologia</i> , 2001, 443, 187-191.	1.0	9
76	Kinetics and toxicity of direct reaction between ozone and 1,2-dihydrobenzene in dilute aqueous solution. <i>Water Science and Technology</i> , 2001, 43, 321-6.	1.2	0
77	Ozonation of 1,2-dihydroxybenzene in the presence of activated carbon. <i>Water Science and Technology</i> , 2001, 44, 125-30.	1.2	2
78	Effect of Simultaneous Ozone and Activated Carbon Treatment on 1,2-Dihydroxybenzene Genotoxic Effects. <i>Bulletin of Environmental Contamination and Toxicology</i> , 2000, 64, 59-65.	1.3	6
79	Toxicity Abatement and Biodegradability Enhancement of Pulp Mill Bleaching Effluent by Advanced Chemical Oxidation. <i>Water Science and Technology</i> , 1999, 40, 337-342.	1.2	22
80	Toxicity abatement and biodegradability enhancement of pulp mill bleaching effluent by advanced chemical oxidation. <i>Water Science and Technology</i> , 1999, 40, 337.	1.2	27
81	Isolation, characterization and expression of a plasmid encoding chromate resistance in <i>Pseudomonas putida</i> KT2441. <i>Letters in Applied Microbiology</i> , 1998, 26, 367-371.	1.0	24
82	A Procedure for Feasible and Optimal Operational Strategies for Control of CARE Systems. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 69, 254-260.	1.6	3
83	Title is missing!. <i>Biotechnology Letters</i> , 1997, 19, 241-244.	1.1	17
84	Enhanced oxidation of toxic effluents using simultaneous ozonation and activated carbon treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 70, 21-28.	1.6	73
85	Enhanced oxidation of toxic effluents using simultaneous ozonation and activated carbon treatment. <i>Journal of Chemical Technology and Biotechnology</i> , 1997, 70, 21-28.	1.6	2
86	Simulating the performance of a control system for food extruders using model-based set-point adjustment. <i>Food Control</i> , 1995, 6, 135-141.	2.8	13
87	Mathematical modelling of an ohmic heating steriliser. <i>Journal of Food Engineering</i> , 1993, 19, 33-53.	2.7	13
88	Adsorption of <i>Kluyveromyces marxianus</i> pectinase on CM-Sephadex gels. <i>Enzyme and Microbial Technology</i> , 1993, 15, 906-915.	1.6	7
89	Production of polygalacturonases from <i>Kluyveromyces marxianus</i> fermentation: preliminary process design and economics. <i>Process Biochemistry</i> , 1993, 28, 187-195.	1.8	18
90	Dynamic modelling, simulation and control of continuous adsorption recycle extraction. <i>Chemical Engineering Science</i> , 1992, 47, 263-269.	1.9	25

#	ARTICLE	IF	CITATIONS
91	Automatic control of food extrusion: problems and perspectives. Food Control, 1991, 2, 80-86.	2.8	23
92	State of the art of R&D in the anaerobic digestion process of municipal solid waste in Europe. Bioresource Technology, 1988, 16, 257-284.	0.3	77
93	Competitive reactions model for the pyrolysis of lignocellulose: A critical study. Journal of Analytical and Applied Pyrolysis, 1986, 10, 1-12.	2.6	16
94	Secondary char formation in the catalytic pyrolysis of biomass. Fuel, 1985, 64, 990-994.	3.4	94
95	Heat transfer and kinetics in the low temperature pyrolysis of solids. Chemical Engineering Science, 1984, 39, 147-158.	1.9	309
96	The pyrolysis of biomass: A general review. , 1982, 5, .		26