Jane Zoppas Ferreira

List of Publications by Year
in descending order

		236612	276539
77	1,858	25	41
papers	citations	h-index	g-index

81	81	81	1879
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recovery of copper from printed circuit boards scraps by mechanical processing and electrometallurgy. Journal of Hazardous Materials, 2006, 137, 1704-1709.	6.5	250
2	Recovery of nickel and water from nickel electroplating wastewater by electrodialysis. Separation and Purification Technology, 2014, 129, 106-112.	3.9	124
3	Cadmium electroplating wastewater treatment using a laboratory-scale electrodialysis system. Separation and Purification Technology, 2004, 37, 247-255.	3.9	119
4	Application of photoelectrochemicalâ€“electrodialysis treatment for the recovery and reuse of water from tannery effluents. Journal of Cleaner Production, 2008, 16, 605-611.	4.6	84
5	Constructed floating wetland for the treatment of domestic sewage: A real-scale study. Journal of Environmental Chemical Engineering, 2018, 6, 5706-5711.	3.3	65
6	Synthesis and characterisation of high impact polystyrene/polyaniline composite membranes for electrodialysis. Journal of Membrane Science, 2004, 234, 139-145.	4.1	63
7	Synthesis of Yttria Stabilized Zirconia by solâ€“gel route: Influence of experimental parameters and large scale production. Solid State Sciences, 2006, 8, 1023-1028.	1.5	61
8	NiP/SiC composite coatings: the effects of particles on the electrochemical behaviour. Corrosion Science, 2005, 47, 567-580.	3.0	49
9	Transport of Trivalent and Hexavalent Chromium through Different Ion-Selective Membranes in Acidic Aqueous Media. Separation Science and Technology, 1998, 33, 1135-1143.	1.3	47
10	The surfactant addition effect in the elaboration of electrodepositated NiP-SiC composite coatings. Surface and Coatings Technology, 2007, 201, 6318-6324.	2.2	47
11	Development of polyurethane/polyaniline membranes for zinc recovery through electrodialysis. Desalination, 2005, 186, 199-206.	4.0	45
12	Closing the loop in the electroplating industry by electrodialysis. Journal of Cleaner Production, 2017, 155, 130-138.	4.6	45
13	Removal of cadmium and cyanide from aqueous solutions through electrodialysis. Journal of the Brazilian Chemical Society, 2003, 14, 610-615.	0.6	44
14	Nitrate reduction of brines from water desalination plants by membrane electrolysis. Journal of Membrane Science, 2014, 451, 276-284.	4.1	42
15	Evaluation of transition metals transport properties through a cation-exchange membrane by chronopotentiometry. Journal of Membrane Science, 2006, 284, 267-275.	4.1	40
16	Preparation and physical characterization of a sulfonated poly(styrene-co-divinylbenzene) and polypyrrole composite membrane. Materials Chemistry and Physics, 2001, 71, 131-136.	2.0	39
17	High-impact polystyrene/polyaniline membranes for acid solution treatment by electrodialysis: Preparation, evaluation, and chemical calculation. Journal of Colloid and Interface Science, 2008, 320, 52-61.	5.0	39
18	Increasing water recovery rate of membrane hybrid process on the petrochemical wastewater treatment. Chemical Engineering Research and Design, 2018, 117, 152-158.	2.7	38

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19	Electrodialysis for the tertiary treatment of municipal wastewater: Efficiency of ion removal and ageing of ion exchange membranes. Journal of Environmental Chemical Engineering, 2018, 6, 5855-5869.	3.3	38
20	Influence of ligand exchange on the treatment of trivalent chromium solutions by electrodialysis. Electrochimica Acta, 2001, 47, 753-758.	2.6	33
21	Evaluation of the electrodialysis process for the treatment of metal finishing wastewater. Journal of the Brazilian Chemical Society, 2002, 13, 540-547.	0.6	32
22	Nanofiltration for the treatment of coke plant ammoniacal wastewaters. Separation and Purification Technology, 2011, 76, 303-307.	3.9	30
23	Implementation of a quality management system in university test laboratories: a brief review and new proposals. Accreditation and Quality Assurance, 2010, 15, 681-689.	0.4	28
24	Recovery of Nickel and Cobalt from Spent NiMH Batteries by Electrowinning. Chemical Engineering and Technology, 2012, 35, 2084-2092.	0.9	28
25	Treatment of molybdate solutions by electrodialysis: The effect of pH and current density on ions transport behavior. Separation and Purification Technology, 2016, 167, 32-36.	3.9	28
26	Purification of spent chromium bath by membrane electrolysis. Journal of Hazardous Materials, 2008, 152, 960-967.	6.5	25
27	Electrochemical study of the interactions between trivalent chromium ions and NafionÂ® perfluorosulfonated membranes. Journal of Membrane Science, 2003, 215, 115-128.	4.1	21
28	Wear Behaviour of Electroless heat Treated Ni-P Coatings as Alternative to Electroplated hard Chromium Deposits. Materials Research, 2017, 20, 1300-1308.	0.6	21
29	Evaluation of changes on ion-selective membranes in contact with zinc-cyanide complexes. Journal of Membrane Science, 2006, 279, 140-147.	4.1	20
30	Electrochemical behavior of Nïï£¿Pï£¿SiC composite coatings: Effect of heat treatment and SiC particle incorporation. Materials and Corrosion - Werkstoffe Und Korrosion, 2012, 63, 36-43.	0.8	19
31	Smart Paint for anodic protection of steel. Progress in Organic Coatings, 2015, 78, 116-123.	1.9	19
32	Integration of membrane bioreactor and advanced oxidation processes for water recovery in leather industry. Desalination and Water Treatment, 2015, 56, 1712-1721.	1.0	19
33	Chronopotentiometric study on the effect of boric acid in the nickel transport properties through a cation-exchange membrane. Desalination, 2009, 249, 348-352.	4.0	18
34	Transport of zinc complexes through an anion exchange membrane. Desalination, 2008, 227, 241-252.	4.0	17
35	The effect of production method on the properties of high impact polystyrene and polyaniline membranes. Journal of Membrane Science, 2009, 330, 227-232.	4.1	16
36	Ultrafiltration/Nanofiltration for the Tertiary Treatment of Leather Industry Effluents. Environmental Science & Technology, 2009, 43, 9130-9135.	4.6	16

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37	Electrochemical enhanced photocatalysis to the 2,4,6 Tribromophenol flame retardant degradation. Journal of Catalysis, 2017, 351, 136-145.	3.1	15
38	Influence of the co-ions on the transport of sulfate through anion exchange membranes. Journal of Membrane Science, 2017, 542, 320-328.	4.1	15
39	Removal of anionic surfactants by nanofiltration. Desalination and Water Treatment, 2012, 44, 269-275.	1.0	13
40	New Sol-gel Formulations to Increase the Barrier Effect of a Protective Coating Against the Corrosion and Wear of Galvanized Steel. Materials Research, 2015, 18, 138-150.	0.6	13
41	Analysis of different current density conditions in the electrodialysis of zinc electroplating process solution. Separation Science and Technology, 2017, 52, 2079-2089.	1.3	13
42	Effect of operational parameters and Pd/In catalyst in the reduction of nitrate using copper electrode. Environmental Technology (United Kingdom), 2018, 39, 2835-2847.	1.2	11
43	Toxicity effects of nickel electroplating effluents treated by photoelectrooxidation in the industries of the Sinos River Basin. Brazilian Journal of Biology, 2015, 75, 17-24.	0.4	10
44	Relationship between corrosion resistance, microstructure and cobalt content in a Znâ€“Co alloy electroplated from alkaline electrolyte. Corrosion Engineering Science and Technology, 2003, 38, 313-316.	0.7	8
45	Filme autosuportado de polianilina desdopada para aplicaÃ§Ãµes anticorrosivas. Polimeros, 2012, 22, 288-294.	0.2	8
46	Electrodialysis in an Integrated NF/ED Process for Water Recovery in the Leather Industry. Separation Science and Technology, 2013, 48, 445-454.	1.3	8
47	The effect of the UV photon flux on the photoelectrocatalytic degradation of endocrine-disrupting alkylphenolic chemicals. Environmental Science and Pollution Research, 2016, 23, 19237-19245.	2.7	8
48	Dynamic behaviour of an electrolyser with a two phase solid-liquid electrolyte Part II: Investigation of elementary phenomena and electrode modelling. Journal of Applied Electrochemistry, 1994, 24, 1235-1243.	1.5	7
49	Zinc deposition and dissolution in a flow-through porous electrode. Electrochimica Acta, 1993, 38, 311-318.	2.6	6
50	Monitoring of a Zr-based conversion coating on galvanised steel and its performance against corrosion. Corrosion Engineering Science and Technology, 2019, 54, 726-730.	0.7	6
51	Obtainment and Characterization of a Silicon alkoxides-based Coating Applied to a Substrate of Stainless Steel 316L for Use in Biomaterials. Materials Research, 2019, 22, .	0.6	6
52	Anticorrosive acrylic intelligent paint. Chemical Papers, 2020, 74, 631-639.	1.0	5
53	Influence of Concentration and pH of Hexafluorozirconic Acid on Corrosion Resistance of Anodized AA7075-T6. Materials Research, 2019, 22, .	0.6	5
54	Corrosion process in NaCl/Na2SO4solutions of AISI 316L stainless steel treated by ionic nitriding. Transactions of the Institute of Metal Finishing, 2009, 87, 309-314.	0.6	4

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55	Dynamic behaviour of an electrolyser with a two phase solid-liquid electrolyte Part I: Spectral analysis of potential fluctuations. Journal of Applied Electrochemistry, 1994, 24, 1228-1234.	1.5	3
56	Influence of simulated body fluid (normal and inflammatory) on corrosion resistance of anodized titanium. Research, Society and Development, 2021, 10, e122101018606.	0.0	3
57	Corrosion Resistance of PAPVD TiN Coating on AISI 304 Stainless Steel. Transactions of the Institute of Metal Finishing, 2002, 80, 147-149.	0.6	2
58	Corrosion properties of nickel free austenitic stainless steels in 0Â·5M H₂SO₄and 0Â·5M H₂SO₄plus 0Â·4M NaCl. Corrosion Engineering Science and Technology, 2009, 44, 394-400.	0.7	2
59	Transport properties of tartrate ions through an anion-exchange membrane. Desalination, 2010, 263, 118-121.	4.0	2
60	Evaluation of Nanofiltration for the Treatment of Industrial Effluents Containing Anionic Surfactants. Procedia Engineering, 2012, 44, 1763-1764.	1.2	2
61	Electrodialysis Treatment of Tannery Wastewater. , 2014, , 91-99.		2
62	Electrodialysis Treatment of Nickel Wastewater. , 2014, , 133-144.		2
63	Removal of nitrates from copper-containing aqueous acidic leach solutions by electrodialysis. Mineral Processing and Extractive Metallurgy: Transactions of the Institute of Mining and Metallurgy, 2021, 130, 209-217.	0.1	2
64	Tratamento de efluentes de eletrodeposiÃ§Ã£o de nÃquel por fotoeletrooxidaÃ§Ã£o. Revista Escola De Minas, 2012, 65, 349-356.	0.1	1
65	Anodic Protection of Carbon Steel AISI 1006 Using the Binder of Undoped Polyaniline. Materials Science Forum, 0, 805, 155-160.	0.3	1
66	ElaboraÃ§Ã£o e caracterizaÃ§Ã£o de filmes hÃbridos siloxano-PMMA preparados pelo processo sol-gel sobre folhas de flandres: influÃªncia do pH do sol. CiÃªncia & Tecnologia Dos Materiais, 2014, 26, 33-38.	0.5	1
67	Effect of gold nanoparticles on the structural and optical stability of poly (3-hexylthiophene). Polymer Degradation and Stability, 2016, 123, 62-68.	2.7	1
68	AdaptaÃ§Ã£o e anÃ¡lise de um laminador didÃ¡tico para metais nÃ£o ferrosos. Revista Materia, 2020, 25, .	0.1	1
69	Superficial treatment by anodization in order to obtain titanium oxide nanotubes applicable in implantology. Revista Materia, 2020, 25, .	0.1	1
70	Membranes for Heavy Metals Removal. Environmental Chemistry for A Sustainable World, 2021, , 135-156.	0.3	1
71	Effect of high pressure and high temperature on the mechanical behavior of diamond coated WCâ€“Co. Surface and Coatings Technology, 2009, 203, 3344-3347.	2.2	0
72	Comparative study between EDXRF and ASTM E572 methods using two-way ANOVA. Journal of Physics: Conference Series, 2018, 975, 012004.	0.3	0

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73	InfluÃªncia do Nb contido em eletrÃ³lito a base de oxalato na anodizaÃ§Ã£o de alumÃnio em Ã¡cido oxÃ¡lico. Research, Society and Development, 2021, 10, e226101220369.	0.0	0
74	Ecotoxicological assessment of metal finishing effluents after real-scale treatments by conventional and advanced processes. , 0, 67, 145-158.		0
75	Colored anodizing of titanium with pyroligneous solutions of black wattle. Revista Materia, 2020, 25, .	0.1	0
76	AvaliaÃ§Ã£o de revestimento de cromo por sputtering como alternativa Ã galvanizaÃ§Ã£o. Revista Materia, 2020, 25, .	0.1	0
77	AnodizaÃ§Ã£o porosa de niÃ³bio com adiÃ§Ã£o de glicerina. Revista Materia, 2020, 25, .	0.1	0