

Adriano da Silva

List of Publications by Year in descending order

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44
papers

766
citations

430874

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552781

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44
all docs

44
docs citations

44
times ranked

898
citing authors

#	ARTICLE	IF	CITATIONS
1	3D interface analysis of velocity, volume ratio, and Reynolds number effects on core annular flow (CAF). <i>Experimental and Computational Multiphase Flow</i> , 2022, 4, 133-141.	3.9	3
2	Evaluation of the technical and environmental feasibility of adsorption process to remove water soluble organics from produced water: A review. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109360.	4.2	36
3	Evaluation of petroleum as extractor fluid in liquid-liquid extraction to reduce the oil and grease content of oilfield produced water. <i>Chemical Engineering Research and Design</i> , 2022, 161, 263-272.	5.6	12
4	Multivariate calibration as a tool for resolution of color from mandarin peel and dyes in aqueous solution for bioadsorption studies. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104605.	6.7	7
5	Adsorption and desorption of water-soluble naphthenic acid in simulated offshore oilfield produced water. <i>Chemical Engineering Research and Design</i> , 2021, 145, 262-272.	5.6	30
6	Perovskite-based Ca-Ni-Fe oxides for azo pollutants fast abatement through dark catalysis. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119747.	20.2	13
7	Treatment of real oilfield produced water by liquid-liquid extraction and efficient phase separation in a mixer-settler based on phase inversion. <i>Chemical Engineering Journal</i> , 2021, 417, 127926.	12.7	12
8	Oilfield produced water treatment by liquid-liquid extraction: A review. <i>Journal of Petroleum Science and Engineering</i> , 2021, 199, 108282.	4.2	32
9	Sensitivity of the turbulent Schmidt number and the turbulence models to simulate catalytic and photocatalytic processes with surface reaction limited by mass transfer. <i>Chemical Engineering Research and Design</i> , 2021, 170, 90-106.	5.6	8
10	Modification of PVDF hydrophobic microfiltration membrane with a layer of electrospun fibers of PVP-co-PMMA: Increased fouling resistance. <i>Chemical Engineering Research and Design</i> , 2021, 171, 268-276.	5.6	18
11	Influence of permeability and pressure on the dye concentration profile in acrylic yarn bobbins in bidirectional flow by simulation. <i>Brazilian Journal of Chemical Engineering</i> , 2020, 37, 515-524.	1.3	2
12	Enhanced textile wastewater treatment by a novel biofilm carrier with adsorbed nutrients. <i>Biocatalysis and Agricultural Biotechnology</i> , 2020, 24, 101527.	3.1	13
13	Application of FeCl ₃ and TiO ₂ -coated algae as innovative biophotocatalysts for Cr(VI) removal from aqueous solution: A process intensification strategy. <i>Journal of Cleaner Production</i> , 2020, 268, 122164.	9.3	16
14	The use of oilfield gaseous byproducts as extractants of recalcitrant naphthenic acids from synthetic produced water. <i>Separation and Purification Technology</i> , 2020, 248, 117123.	7.9	18
15	ANÁLISE DO POTENCIAL BIOCATALÍTICO DE LIPASE DE CANDIDA RUGOSA IMOBILIZADA EM DIFERENTES SUPORTES. <i>Revista Acta Ambiental Catarinense</i> , 2020, 18, 10-23.	0.1	0
16	Biodegradation of BTEX compounds from petrochemical wastewater: Kinetic and toxicity. <i>Journal of Water Process Engineering</i> , 2019, 32, 100914.	5.6	14
17	Separation of anthocyanins extracted from red cabbage by adsorption onto chitosan films. <i>International Journal of Biological Macromolecules</i> , 2019, 131, 905-911.	7.5	38
18	Production of antimicrobial textiles by cotton fabric functionalization and pectinolytic enzyme immobilization. <i>Materials Chemistry and Physics</i> , 2018, 208, 28-34.	4.0	34

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19	Dispersion of odorants in natural gas distribution networks. <i>Heat and Mass Transfer</i> , 2018, 54, 2827-2834.	2.1	6
20	Fitting semi-empirical drying models using a tool based on wavelet neural networks: Modeling a maize drying process. <i>Journal of Food Process Engineering</i> , 2018, 41, e12633.	2.9	3
21	Benzene and toluene removal from synthetic automotive gasoline by mono and bicomponent adsorption process. <i>Fuel</i> , 2018, 231, 45-52.	6.4	34
22	Low-cost iron-doped catalyst for phenol degradation by heterogeneous Fenton. <i>Journal of Hazardous Materials</i> , 2018, 359, 96-103.	12.4	41
23	Application of polyurethane foam chitosan-coated as a low-cost adsorbent in the effluent treatment. <i>Journal of Water Process Engineering</i> , 2017, 20, 201-206.	5.6	26
24	Ferramentas Computacionais como Recurso Didático no Curso de Engenharia Química. <i>Revista Eletrônica Engenharia Viva</i> , 2017, 4, 29.	0.0	0
25	ANÁLISE ESTATÍSTICA PARAMÉTRICA DE FATORES DE OPERAÇÃO NO PROCESSO DE FERMENTAÇÃO PARA OBTENÇÃO DE CACHAÇA. <i>Brazilian Journal of Food Research</i> , 2016, 7, 1.	0.0	0
26	Avaliação da produção de biogás de dejetos de suínos utilizando a metodologia de superfície de resposta. <i>Engenharia Sanitaria E Ambiental</i> , 2015, 20, 209-217.	0.5	2
27	Numerical analysis of mixed convection in partially open cavities heated from below. <i>International Journal of Heat and Mass Transfer</i> , 2015, 81, 829-845.	4.8	19
28	Statistical Evaluation of Biochemical Kinetic Models for BTX Degradation. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 19416-19425.	3.7	6
29	Hot Air Drying Characteristics of Soybeans and Influence of Temperature and Velocity on Kinetic Parameters. <i>Journal of Food Process Engineering</i> , 2014, 37, 619-627.	2.9	7
30	ESTUDO DA DEGRADAÇÃO DE COMPOSTOS FENÓLICOS PRESENTE EM ÁGUAS RESIDUÁRIAS DE POSTOS DE COMBUSTÍVEIS UTILIZANDO FUNGOS FILAMENTOSOS (<i>Aspergillus flavus</i>). <i>Revista Eletrônica Em Gestão e Educação Ambiental</i> , 2014, 18, .	0.0	0
31	Three-dimensional analysis of natural convection in a partially-open cavity with internal heat source. <i>International Journal of Heat and Mass Transfer</i> , 2013, 61, 525-542.	4.8	27
32	Influência de parâmetros de processo na obtenção de bebida fermento-destilada de uva-japão (Hovenia) Tj ETQq0 0 0 rgBT /Overl	0.8	1
33	Uso da Metodologia de Superfície de Resposta (RSM) na descoloração do corante Preto Reativo 5 pela levedura <i>Candida infanticola</i> UFSJ 6A isolada de efluente têxtil. <i>BBR - Biochemistry and Biotechnology Reports</i> , 2013, 2, 51.	0.0	0
34	Removal of Mono- and Multicomponent BTX Compounds from Effluents Using Activated Carbon from Coconut Shell as the Adsorbent. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 6461-6469.	3.7	24
35	Numerical investigation of several physical and geometric parameters in the natural convection into trapezoidal cavities. <i>International Journal of Heat and Mass Transfer</i> , 2012, 55, 6808-6818.	4.8	39
36	Water Reuse and Wastewater Minimization in Chemical Industries Using Differentiated Regeneration of Contaminants. <i>Industrial & Engineering Chemistry Research</i> , 2011, 50, 7428-7436.	3.7	17

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37	Natural convection in a partially open square cavity with internal heat source: An analysis of the opening mass flow. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 1369-1386.	4.8	34
38	Study of the effects of flow channel with non-uniform cross-sectional area on PEMFC species and heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2011, 54, 4462-4472.	4.8	52
39	Biodegradation of BTEX compounds in a biofilm reactor—Modeling and simulation. <i>Journal of Petroleum Science and Engineering</i> , 2010, 70, 131-139.	4.2	33
40	The Influence of Baffles on the Natural Convection in Trapezoidal Cavities. <i>Numerical Heat Transfer; Part A: Applications</i> , 2010, 58, 125-145.	2.1	21
41	Natural Convection: Analysis of Partially Open Enclosures With an Internal Heated Source. <i>Numerical Heat Transfer; Part A: Applications</i> , 2007, 52, 595-619.	2.1	22
42	Numerical Study of Natural Convection in a Partially Open Environment With a Heat Generating Source. , 2006, , 665.		0
43	Numerical study of n-pentane separation using adsorption column. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 267-274.	0.5	9
44	The influence of electronic, steric and hydrophobic properties of flavonoid compounds in the inhibition of the xanthine oxidase. <i>Computational and Theoretical Chemistry</i> , 2004, 684, 1-7.	1.5	37