

Felipe Dalla Vecchia

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

639
citations

516215

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all docs

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docs citations

28
times ranked

676
citing authors

#	ARTICLE	IF	CITATIONS
1	Cellulose based poly(ionic liquids): Tuning cation-anion interaction to improve carbon dioxide sorption. <i>Fuel</i> , 2018, 211, 76-86.	3.4	54
2	Application of Fourier Transform infrared spectroscopy (FTIR) coupled with multivariate regression for calcium carbonate (CaCO ₃) quantification in cement. <i>Construction and Building Materials</i> , 2021, 313, 125413.	3.2	54
3	Rationalizing the role of the anion in CO ₂ capture and conversion using imidazolium-based ionic liquid modified mesoporous silica. <i>RSC Advances</i> , 2015, 5, 64220-64227.	1.7	53
4	Poly(ionic liquid)s as efficient catalyst in transformation of CO ₂ to cyclic carbonate. <i>Journal of Molecular Catalysis A</i> , 2014, 392, 83-88.	4.8	43
5	Syntheses and characterization of new poly(ionic liquid)s designed for CO ₂ capture. <i>RSC Advances</i> , 2014, 4, 18164.	1.7	43
6	Study of the influence of copper and magnesium additions on the microstructure formation of Zn-Al hypoeutectic alloys. <i>Journal of Alloys and Compounds</i> , 2009, 488, 89-99.	2.8	39
7	New cellulose based ionic compounds as low-cost sorbents for CO ₂ capture. <i>Fuel Processing Technology</i> , 2016, 149, 131-138.	3.7	39
8	CO ₂ capture: Tuning cation-anion interaction in urethane based poly(ionic liquids). <i>Polymer</i> , 2016, 102, 199-208.	1.8	38
9	Anticorrosion Protection by Amine-Ionic Liquid Mixtures: Experiments and Simulations. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 1803-1810.	1.0	35
10	Waste derived MCMRH- supported IL for CO ₂ /CH ₄ separation. <i>Journal of Natural Gas Science and Engineering</i> , 2018, 54, 54-64.	2.1	31
11	Hybrid Alkoxysilane-Functionalized Urethane-Imide-Based Poly(ionic liquids) as a New Platform for Carbon Dioxide Capture. <i>Energy & Fuels</i> , 2017, 31, 9840-9849.	2.5	27
12	Supported ionic liquids as highly efficient and low-cost material for CO ₂ /CH ₄ separation process. <i>Heliyon</i> , 2019, 5, e02183.	1.4	27
13	Wellbore integrity in a saline aquifer: Experimental steel-cement interface degradation under supercritical CO ₂ conditions representative of Brazil's Parana basin. <i>International Journal of Greenhouse Gas Control</i> , 2020, 98, 103077.	2.3	21
14	Chemical Conversion of CO ₂ : Evaluation of Different Ionic Liquids as Catalysts in Dimethyl Carbonate Synthesis. <i>Energy Procedia</i> , 2017, 114, 7141-7149.	1.8	20
15	Performance and emission evaluations in a power generator fuelled with Brazilian diesel and additions of waste frying oil biodiesel. <i>Applied Thermal Engineering</i> , 2016, 98, 288-297.	3.0	17
16	Harnessing CO ₂ into Carbonates Using Heterogeneous Waste Derivative Cellulose-Based Poly(ionic liquid) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.4	16
17	Epoxy-modified Portland Cement: Effect of the Resin Hardener on the Chemical Degradation by Carbon Dioxide. <i>Energy Procedia</i> , 2017, 114, 5256-5265.	1.8	15
18	DEVELOPMENT OF INEXPENSIVE CELLULOSE-BASED SORBENTS FOR CARBON DIOXIDE. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 511-521.	0.7	15

#	ARTICLE	IF	CITATIONS
19	Basalt powder as a supplementary cementitious material in cement paste for CCS wells: chemical and mechanical resistance of cement formulations for CO ₂ geological storage sites. International Journal of Greenhouse Gas Control, 2021, 109, 103337.	2.3	13
20	Imidazolium-based Ionic Liquids Impregnated in Silica and Alumina Supports for CO ₂ Capture. Materials Research, 2019, 22, .	0.6	11
21	Epoxy resin-cement paste composite for wellbores: Evaluation of chemical degradation fostered carbon dioxide. , 2017, 7, 1065-1079.		8
22	Evaluation of CO ₂ attack in wellbore class G cement: influence of epoxy resins, composites and minerals as additives. , 2019, 9, 1276-1287.		6
23	Chemical degradation of reinforced epoxy-cement composites under CO ₂ rich environments. Polymer Composites, 2018, 39, E2234.	2.3	5
24	A New Approach to CO ₂ Capture and Conversion Using Imidazolium Based-Ionic Liquids as Sorbent and Catalyst. Journal of the Brazilian Chemical Society, 2014, , .	0.6	4
25	SORÇÃO DE CO ₂ UTILIZANDO LÍQUIDO IÔNICO ADITIVADO COM EXTENSORES DE ÁREA SUPERFICIAL. Química Nova, 2018, , .	0.3	2
26	Influência dos defeitos de solidificação na resistência à corrosão do Zamac 5 obtido por injeção sob pressão. Revista Materia, 2020, 25, .	0.1	2
27	Modelling the dynamic response of shallow methane hydrates to simultaneous sea level and bottom water temperatures variations since the last glacial maximum on the Amazon Deep-Sea Fan, Brazil. Marine and Petroleum Geology, 2022, 137, 105494.	1.5	1
28	Influência do tratamento térmico no empenamento de latão durante o processo de usinagem por fresamento de topo. Ciência & Tecnologia Dos Materiais, 2013, 25, 14-22.	0.5	0