Sandra Einloft

List of Publications by Year
in descending order

110 papers	4,033 citations	185998 28 h-index	128067 60 g-index
111 all docs	111 docs citations	111 times ranked	3914 citing authors

#	Article	IF	Citations
1	The use of new ionic liquids in two-phase catalytic hydrogenation reaction by rhodium complexes. Polyhedron, 1996, 15, 1217-1219.	1.0	701
2	Synthesis and physical-chemical properties of ionic liquids based on 1-n-butyl-3-methylimidazolium cation. Journal De Chimie Physique Et De Physico-Chimie Biologique, 1998, 95, 1626-1639.	0.2	368
3	Selective Catalytic Hydrodimerization of 1,3-Butadiene by Palladium Compounds Dissolved in Ionic Liquids. Organometallics, 1998, 17, 815-819.	1.1	296
4	Enlarged electrochemical window in dialkyl-imidazolium cation based room-temperature air and water-stable molten salts. Electrochimica Acta, 1997, 42, 2533-2535.	2.6	235
5	Catalytic Dimerization of Propene by Nickel-Phosphine Complexes in 1-Butyl-3-methylimidazolium Chloride/AlEtxCl3-x (x = 0, 1) Ionic Liquids. Industrial & Engineering Chemistry Research, 1995, 34, 1149-1155.	1.8	167
6	Waterâ€“rockâ€“CO2 interactions in saline aquifers aimed for carbon dioxide storage: Experimental and numerical modeling studies of the Rio Bonito Formation (Permian), southern Brazil. Applied Geochemistry, 2009, 24, 760-767.	1.4	146
7	Two-phase catalytic hydrogenation of olefins by Ru(II) and Co(II) complexes dissolved in 1-n-butyl-3-methylimidazolium tetrafluoroborate ionic liquid. Inorganica Chimica Acta, 1997, 255, 207-209.	1.2	103
8	New metal catalysts for soybean oil transesterification. JAOCS, Journal of the American Oil Chemists' Society, 2003, 80, 601-604.	0.8	88
9	Selective two-phase catalytic ethylene dimerization by NiII complexes/AlEtCl2 dissolved in organoaluminate ionic liquids. Polyhedron, 1996, 15, 3257-3259.	1.0	86
10	A Rational Approach to CO₂ Capture by Imidazolium Ionic Liquids: Tuning CO₂ Solubility by Cation Alkyl Branching. ChemSusChem, 2015, 8, 1935-1946.	3.6	70
11	Chemical recycling of post-consumer PET: Alkyd resins synthesis. Progress in Organic Coatings, 2006, 57, 123-127.	1.9	61
12	Solvation of Carbon Dioxide in [C₄mim][BF₄] and [C₄mim][PF₆] Ionic Liquids Revealed by Highâ€Pressure NMR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 13024-13027.	7.2	59
13	Cellulose based poly(ionic liquids): Tuning cation-anion interaction to improve carbon dioxide sorption. Fuel, 2018, 211, 76-86.	3.4	54
14	Biodiesel from Rice Bran Oil: Transesterification by Tin Compounds. Energy & Fuels, 2008, 22, 671-674.	2.5	53
15	Rationalizing the role of the anion in CO₂ capture and conversion using imidazolium-based ionic liquid modified mesoporous silica. RSC Advances, 2015, 5, 64220-64227.	1.7	53
16	Surface Active Ionic Liquids as Catalyst for CO2 Conversion to Propylene Carbonate. Catalysis Letters, 2018, 148, 108-118.	1.4	51
17	Synthesis and characterization of polyurethane/titanium dioxide nanocomposites obtained by in situ polymerization. Polymer Bulletin, 2013, 70, 1819-1833.	1.7	50
18	CO2 storage with indirect carbonation using industrial waste. Energy Procedia, 2011, 4, 1010-1017.	1.8	49

#	Article	IF	Citations
19	Optically transparent membrane based on bacterial cellulose/polycaprolactone. Polimeros, 2013, 23, 135-142.	0.2	43
20	Poly(ionic liquid)s as efficient catalyst in transformation of CO2 to cyclic carbonate. Journal of Molecular Catalysis A, 2014, 392, 83-88.	4.8	43
21	Syntheses and characterization of new poly(ionic liquid)s designed for CO2 capture. RSC Advances, 2014, 4, 18164.	1.7	43
22	New cellulose based ionic compounds as low-cost sorbents for CO2 capture. Fuel Processing Technology, 2016, 149, 131-138.	3.7	39
23	CO2 capture: Tuning cation-anion interaction in urethane based poly(ionic liquids). Polymer, 2016, 102, 199-208.	1.8	38
24	Kinetic study of polyurethane synthesis using different catalytic systems of Fe, Cu, Sn, and Cr. Journal of Applied Polymer Science, 2010, 115, 1797-1802.	1.3	35
25	Anticorrosion Protection by Amineâ€“Ionic Liquid Mixtures: Experiments and Simulations. Journal of Chemical & Engineering Data, 2016, 61, 1803-1810.	1.0	35
26	Chemical synthesis andin vitro biocompatibility tests of poly (L-lactic acid). Journal of Biomedical Materials Research - Part A, 2007, 83A, 209-215.	2.1	32
27	Chemical fixation of CO2: the influence of linear amphiphilic anions on surface active ionic liquids (SAILs) as catalysts for synthesis of cyclic carbonates under solvent-free conditions. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 987-1001.	0.8	32
28	Waste derived MCMRH- supported IL for CO2/CH4 separation. Journal of Natural Gas Science and Engineering, 2018, 54, 54-64.	2.1	31
29	New magnetic nanocomposites: Polyurethane/ Fe3O4-synthetic talc. European Polymer Journal, 2015, 69, 38-49.	2.6	30
30	CO2 conversion to propylene carbonate catalyzed by ionic liquid containing organosilane groups supported on titanate nanotubes/nanowires. Applied Catalysis A: General, 2017, 544, 46-54.	2.2	30
31	Ionic liquids composed of linear amphiphilic anions: Synthesis, physicochemical characterization, hydrophilicity and interaction with carbon dioxide. Journal of Molecular Liquids, 2017, 241, 64-73.	2.3	29
32	Synthesis and characterization of waterborne polyurethane/ZnO composites. Polymer Bulletin, 2014, 71, 829-838.	1.7	28
33	Synthetic Niâ€talc as filler for producing polyurethane nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	1.3	28
34	New biocomposites based on castor oil polyurethane foams and ionic liquids for CO 2 capture. Fluid Phase Equilibria, 2017, 452, 103-112.	1.4	28
35	Hybrid Alkoxysilane-Functionalized Urethane-Imide-Based Poly(ionic liquids) as a New Platform for Carbon Dioxide Capture. Energy & Fuels, 2017, 31, 9840-9849.	2.5	27
36	Supported ionic liquids as highly efficient and low-cost material for CO2/CH4 separation process. Heliyon, 2019, 5, e02183.	1.4	27

#	Article	IF	Citations
37	Life Cycle Inventory for the agricultural stages of soybean production in the state of Rio Grande do Sul, Brazil. Journal of Cleaner Production, 2015, 93, 65-74.	4.6	26
38	New polysulfone microcapsules containing metal oxides and ([BMIM][NTf2]) ionic liquid for CO2 capture. Journal of Environmental Chemical Engineering, 2021, 9, 104781.	3.3	26
39	Greenhouse gases assessment of soybean cultivation steps in southern Brazil. Journal of Cleaner Production, 2016, 131, 747-753.	4.6	25
40	Performance of metal-functionalized rice husk cellulose for CO2 sorption and CO2/N2 separation. Fuel, 2019, 239, 737-746.	3.4	23
41	CO2 Geological storage in saline aquifers: ParanÃ¡ Basin caprock and reservoir chemical reactivity. Energy Procedia, 2011, 4, 5377-5384.	1.8	22
42	Dehydrating agent effect on the synthesis of dimethyl carbonate (DMC) directly from methanol and carbon dioxide. RSC Advances, 2020, 10, 34895-34902.	1.7	22
43	Lower purity dimer acid based polyamides used as hot melt adhesives: synthesis and properties. Journal of Adhesion Science and Technology, 2015, 29, 1860-1872.	1.4	21
44	Chemical Conversion of CO2: Evaluation of Different Ionic Liquids as Catalysts in Dimethyl Carbonate Synthesis. Energy Procedia, 2017, 114, 7141-7149.	1.8	20
45	Experimental-theoretical study of the epoxide structures effect on the CO2 conversion to cyclic carbonates catalyzed by hybrid titanate nanostructures. Journal of CO2 Utilization, 2020, 37, 20-28.	3.3	19
46	Using different catalysts in the chemical recycling of waste from flexible polyurethane foams. Polimeros, 2013, 23, 608-613.	0.2	18
47	Synthesis and NMR characterization of aliphatic-aromatic copolyesters by reaction of poly(ethylene) Tj ETQq1 1 0.784314 rgBT /Over	0.3	17
48	Comparing Different Synthetic Talc as Fillers for Polyurethane Nanocomposites. Macromolecular Symposia, 2016, 367, 136-142.	0.4	16
49	Hybrid Ionic Liquidâ€“Silica Xerogels Applied in CO2 Capture. Applied Sciences (Switzerland), 2019, 9, 2614.	1.3	16
50	Polyurethaneâ€based poly (ionic liquid)s for CO₂ removal from natural gas. Journal of Applied Polymer Science, 2019, 136, 47536.	1.3	16
51	Harnessing CO2 into Carbonates Using Heterogeneous Waste Derivative Cellulose-Based Poly(ionic) Tj ETQq1 1 0.784314 rgBT /Over	1.4	16
52	Enhancement of CO2/N2 selectivity and CO2 uptake by tuning concentration and chemical structure of imidazolium-based ILs immobilized in mesoporous silica. Journal of Environmental Chemical Engineering, 2020, 8, 103740.	3.3	16
53	Synthetic silico-metallic mineral particles (SSMMP) as nanofillers: comparing the effect of different hydrothermal treatments on the PU/SSMMP nanocomposites properties. Polymer Bulletin, 2015, 72, 2991-3006.	1.7	15
54	Epoxy-modified Portland Cement: Effect of the Resin Hardener on the Chemical Degradation by Carbon Dioxide. Energy Procedia, 2017, 114, 5256-5265.	1.8	15

#	Article	IF	Citations
55	DEVELOPMENT OF INEXPENSIVE CELLULOSE-BASED SORBENTS FOR CARBON DIOXIDE. Brazilian Journal of Chemical Engineering, 2019, 36, 511-521.	0.7	15
56	Synthetic talc as catalyst and filler for waterborne polyurethane-based nanocomposite synthesis. Polymer Bulletin, 2020, 77, 975-987.	1.7	15
57	Synthesis and characterization of new bivalent tin chelate of 3-hydroxy-2-methyl-4-pyrone and its use as catalyst for polyesterification. Polymer Bulletin, 2000, 45, 341-344.	1.7	14
58	Zirconium alkoxide complexes as catalysts for ethylene polymerization. Journal of Molecular Catalysis A, 2004, 208, 285-290.	4.8	14
59	Preparation of Modified Titanate Nanotubes and Its Application in Polyurethane Nanocomposites. Macromolecular Symposia, 2016, 368, 93-97.	0.4	14
60	Waterborne polyurethane/Fe3O4-synthetic talc composites: synthesis, characterization, and magnetic properties. Polymer Bulletin, 2018, 75, 1915-1930.	1.7	14
61	Performance of supported metal catalysts in the dimethyl carbonate production by direct synthesis using CO2 and methanol. Journal of CO2 Utilization, 2021, 53, 101721.	3.3	14
62	Reducing Greenhouse Gas Emissions with CO2 Capture and Geological Storage. , 2012, , 1405-1440.		14
63	Preparation and properties of aromatic polyester/TiO2 nanocomposites from polyethylene terephthalate. Materials Research, 2016, 19, 158-166.	0.6	13
64	Basalt powder as a supplementary cementitious material in cement paste for CCS wells: chemical and mechanical resistance of cement formulations for CO2 geological storage sites. International Journal of Greenhouse Gas Control, 2021, 109, 103337.	2.3	13
65	Biodiesel Production from High FFA Degummed Rice Bran Oil by a Two-Step Process Using Ethanol/Methanol and a Green Catalyst. Waste and Biomass Valorization, 2015, 6, 343-351.	1.8	12
66	Synthetic talc as a new platform for producing fluorescent clay polyurethane nanocomposites. Applied Clay Science, 2018, 158, 37-45.	2.6	12
67	Menthol-loaded PLGA Micro and Nanospheres: Synthesis, Characterization and Degradation in Artificial Saliva. Materials Research, 2018, 21, .	0.6	12
68	Poly(ionic liquid)s Nanoparticles Applied in CO₂ Capture. Macromolecular Symposia, 2016, 368, 98-106.	0.4	11
69	Designing silica xerogels containing RTIL for CO2 capture and CO2/CH4 separation: Influence of ILs anion, cation and cation side alkyl chain length and ramification. Journal of Environmental Management, 2020, 268, 110340.	3.8	11
70	Imidazolium-based Ionic Liquids Impregnated in Silica and Alumina Supports for CO2 Capture. Materials Research, 2019, 22, .	0.6	11
71	Inversion of stereoselectivity in 1,3-butadiene polymerization with a niobium catalyst induced by a change in the solvent system. Polymer Bulletin, 1998, 41, 175-182.	1.7	9
72	Strategies of biosynthesis of poly(3-hydroxybutyrate) supplemented with biodiesel obtained from rice bran oil. Materials Science and Engineering C, 2009, 29, 583-587.	3.8	9

#	Article	IF	Citations
73	Polysulfone metal-activated carbon magnetic nanocomposites with enhanced CO₂ capture. RSC Advances, 2020, 10, 34595-34604.	1.7	9
74	Epoxy resinâ€cement paste composite for wellbores: Evaluation of chemical degradation fostered carbon dioxide. , 2017, 7, 1065-1079.		8
75	Analyzing the influence of different synthetic talcs in waterborne polyurethane nanocomposites obtainment. Journal of Applied Polymer Science, 2018, 135, 46107.	1.3	8
76	Hybrid Pu/Synthetic Talc/Organic Clay Ternary Nanocomposites: Thermal, Mechanical and Morphological Properties. Polymers and Polymer Composites, 2018, 26, 127-140.	1.0	8
77	Imidazolium-based ionic liquid silica xerogel as catalyst to transform CO2 into cyclic carbonate. SN Applied Sciences, 2020, 2, 1.	1.5	8
78	Metal activated carbon as an efficient filler for highâ€density polyethylene nanocomposites. Polymer Composites, 2020, 41, 3184-3193.	2.3	8
79	Human Alveolar Bone-Derived Cell-Culture Behaviour on Biodegradable Poly(L-lactic Acid). Journal of Biomaterials Science, Polymer Edition, 2009, 20, 167-179.	1.9	7
80	SYNTHESIS, CHARACTERIZATION AND in vitro CYTOTOXICITY OF Acacia mearnsii PROANTHOCYANIDIN LOADED PLGA MICROPARTICLES. Brazilian Journal of Chemical Engineering, 2019, 36, 239-250.	0.7	7
81	A review of Ni and Co incorporation during talc synthesis: Applications to crystal chemistry, industrial compounds and natural Ni- and Co-rich ore. Journal of Geochemical Exploration, 2019, 200, 27-36.	1.5	7
82	Modified titanate nanotubes for the production of novel aliphatic polyurethane nanocomposites. Polymer Composites, 2019, 40, 2292-2300.	2.3	6
83	Evaluation of CO₂ attack in wellbore class G cement: influence of epoxy resins, composites and minerals as additives. , 2019, 9, 1276-1287.		6
84	Chemical degradation of reinforced epoxyâ€cement composites under CO₂â€rich environments. Polymer Composites, 2018, 39, E2234.	2.3	5
85	Enzymatic Degradation of the Rice Bran: Problem or Opportunity?. Waste and Biomass Valorization, 2019, 10, 755-762.	1.8	5
86	The influence of Ni/Mg content of synthetic Mg/Ni talc on mechanical and thermal properties of waterborne polyurethane nanocomposites. SN Applied Sciences, 2020, 2, 1.	1.5	5
87	TEREPHTHALIC ACID, NEOPENTYL GLYCOL AND TRIMETHYLOLPROPANE POLYESTERIFICATION USING VERSATILE AND HIGHLY EFFICIENT TIN COMPLEXES AS CATALYSTS PRECURSORS. Main Group Metal Chemistry, 2001, 24, .	0.6	4
88	Potencial uso de serpentinito no armazenamento mineral do CO2. Quimica Nova, 2013, 36, 773-777.	0.3	4
89	A New Approach to CO2Capture and Conversion Using Imidazolium Based-Ionic Liquids as Sorbent and Catalyst. Journal of the Brazilian Chemical Society, 2014, , .	0.6	4
90	Multivariate Statistical Evaluation of Ionic Liquids Features for CO2 Capture. Energy Procedia, 2017, 114, 86-94.	1.8	4

#	Article	IF	Citations
91	Mixtures of Cellulose Fibers from Pineapple Leaves, Ionic Liquid, and Alkanolamines for CO2 Capture. Fibers and Polymers, 2020, 21, 2861-2872.	1.1	4
92	The use of crude tall oil as feed-stock for alkyd resins. E-Polymers, 2008, 8, .	1.3	3
93	CO2 sorption using encapsulated imidazolium-based fluorinated ionic liquids. Environmental Challenges, 2021, 4, 100109.	2.0	3
94	Weathering Resistance of Waterborne Polyurethane Coatings Reinforced with Silica from Rice Husk Ash. Anais Da Academia Brasileira De Ciencias, 2019, 91, e20181190.	0.3	3
95	Polyurethane/poly (Ionic Liquids) Cellulosic Composites and their Evaluation for Separation of CO2 from Natural Gas. Materials Research, 2019, 22, .	0.6	3
96	Reducing Greenhouse Gas Emissions with CO2 Capture and Geological Storage. , 2017, , 2197-2237.		3
97	Ethylene polymerization catalyzed by diamide complexes of Ti(IV) and Zr(IV). Journal of Applied Polymer Science, 2008, 110, 270-275.	1.3	2
98	Assessing Thermodynamic Data of CO2 capture by Ionic Liquids through Hard and Soft Base THeory. Energy Procedia, 2017, 114, 81-85.	1.8	2
99	Thermal Behavior and Spectroscopy Analysis of Carbonized Nanostructures Derived from Polypyrrole Nanotubes. International Journal of Nanoscience, 2017, 16, 1750014.	0.4	2
100	SORÃ‡ÃƒO DE CO2 UTILIZANDO LÃQUIDO IÃ”NICO ADITIVADO COM EXTENSORES DE ÃREA SUPERFICIAL. Quimica Nova, 2018, , .	0.3	2
101	Supported dichlorobis(3-hydroxi-2-methyl-4-pyrone)Ti(IV) catalysts: Evaluation on ethylene polymerization. Journal of Molecular Catalysis A, 2005, 240, 61-61.	4.8	1
102	Effect of time on the carbonation reaction of saline aquifers with controlled pH. Energy Procedia, 2011, 4, 4546-4551.	1.8	1
103	Influence of Alkaline Additives and Buffers on Mineral Trapping of CO₂ under Mild Conditions. Chemical Engineering and Technology, 2018, 41, 573-579.	0.9	1
104	Poly(ionic liquid)s-based polyurethane blends: effect of polyols structure and ILs counter cations in CO2 sorption performance of PILs physical blends. Polymer Bulletin, 0, , 1.	1.7	1
105	Dispositivos polimÃ©ricos cardiovasculares: comportamento termomecÃ¢nico e viabilidade celular. Revista Materia, 2013, 18, 1313-1322.	0.1	1
106	Polyurethane /Ionic Silica Xerogel Composites for CO2 Capture. Materials Research, 2019, 22, .	0.6	1
107	SÃntese e biodegradaÃ§Ã£o em solo de copolÃmeros de PET-co-PLLA. Revista Materia, 2018, 23, .	0.1	0
108	CO₂ Chemical Conversion Using Catalytics Systems Based on Titanate Nanotubes. Materials Science Forum, 0, 965, 13-20.	0.3	0

#	Article	IF	Citations
109	Thermal, Mechanical, and Morphological Properties of DPU/Titanate Nanotubes Nanocomposites. Macromolecular Symposia, 2019, 383, 1800009.	0.4	0
110	SÃntese e caracterizaÃ§Ã£o de nanopartÃculas de Ã³xido de ferro: Uma proposta de atividade experimental. Research, Society and Development, 2021, 10, e27310817184.	0.0	0