

# Sandra Einloft

## List of Publications by Year in descending order

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110  
papers

4,033  
citations

185998

28  
h-index

128067

60  
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111  
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111  
docs citations

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times ranked

3914  
citing authors

#	ARTICLE	IF	CITATIONS
1	New polysulfone microcapsules containing metal oxides and ([BMIM][NTf <sub>2</sub> ]) ionic liquid for CO <sub>2</sub> capture. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104781.	3.3	26
2	S�ntese e caracteriza�o de nanopart�culas de �xido de ferro: Uma proposta de atividade experimental. <i>Research, Society and Development</i> , 2021, 10, e27310817184.	0.0	0
3	Basalt powder as a supplementary cementitious material in cement paste for CCS wells: chemical and mechanical resistance of cement formulations for CO <sub>2</sub> geological storage sites. <i>International Journal of Greenhouse Gas Control</i> , 2021, 109, 103337.	2.3	13
4	CO <sub>2</sub> sorption using encapsulated imidazolium-based fluorinated ionic liquids. <i>Environmental Challenges</i> , 2021, 4, 100109.	2.0	3
5	Performance of supported metal catalysts in the dimethyl carbonate production by direct synthesis using CO <sub>2</sub> and methanol. <i>Journal of CO<sub>2</sub> Utilization</i> , 2021, 53, 101721.	3.3	14
6	Synthetic talc as catalyst and filler for waterborne polyurethane-based nanocomposite synthesis. <i>Polymer Bulletin</i> , 2020, 77, 975-987.	1.7	15
7	Experimental-theoretical study of the epoxide structures effect on the CO <sub>2</sub> conversion to cyclic carbonates catalyzed by hybrid titanate nanostructures. <i>Journal of CO<sub>2</sub> Utilization</i> , 2020, 37, 20-28.	3.3	19
8	Dehydrating agent effect on the synthesis of dimethyl carbonate (DMC) directly from methanol and carbon dioxide. <i>RSC Advances</i> , 2020, 10, 34895-34902.	1.7	22
9	Polysulfone metal-activated carbon magnetic nanocomposites with enhanced CO <sub>2</sub> capture. <i>RSC Advances</i> , 2020, 10, 34595-34604.	1.7	9
10	Imidazolium-based ionic liquid silica xerogel as catalyst to transform CO <sub>2</sub> into cyclic carbonate. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	8
11	Designing silica xerogels containing RTIL for CO <sub>2</sub> capture and CO <sub>2</sub> /CH <sub>4</sub> separation: Influence of ILs anion, cation and cation side alkyl chain length and ramification. <i>Journal of Environmental Management</i> , 2020, 268, 110340.	3.8	11
12	The influence of Ni/Mg content of synthetic Mg/Ni talc on mechanical and thermal properties of waterborne polyurethane nanocomposites. <i>SN Applied Sciences</i> , 2020, 2, 1.	1.5	5
13	Enhancement of CO <sub>2</sub> /N <sub>2</sub> selectivity and CO <sub>2</sub> uptake by tuning concentration and chemical structure of imidazolium-based ILs immobilized in mesoporous silica. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103740.	3.3	16
14	Metal activated carbon as an efficient filler for high-density polyethylene nanocomposites. <i>Polymer Composites</i> , 2020, 41, 3184-3193.	2.3	8
15	Mixtures of Cellulose Fibers from Pineapple Leaves, Ionic Liquid, and Alkanolamines for CO <sub>2</sub> Capture. <i>Fibers and Polymers</i> , 2020, 21, 2861-2872.	1.1	4
16	Modified titanate nanotubes for the production of novel aliphatic polyurethane nanocomposites. <i>Polymer Composites</i> , 2019, 40, 2292-2300.	2.3	6
17	Supported ionic liquids as highly efficient and low-cost material for CO <sub>2</sub> /CH <sub>4</sub> separation process. <i>Heliyon</i> , 2019, 5, e02183.	1.4	27
18	SYNTHESIS, CHARACTERIZATION AND in vitro CYTOTOXICITY OF Acacia mearnsii PROANTHOCYANIDIN LOADED PLGA MICROPARTICLES. <i>Brazilian Journal of Chemical Engineering</i> , 2019, 36, 239-250.	0.7	7

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19	Hybrid Ionic Liquid-Silica Xerogels Applied in CO <sub>2</sub> Capture. Applied Sciences (Switzerland), 2019, 9, 2614.	1.3	16
20	DEVELOPMENT OF INEXPENSIVE CELLULOSE-BASED SORBENTS FOR CARBON DIOXIDE. Brazilian Journal of Chemical Engineering, 2019, 36, 511-521.	0.7	15
21	Polyurethane-based poly (ionic liquid)s for CO <sub>2</sub> removal from natural gas. Journal of Applied Polymer Science, 2019, 136, 47536.	1.3	16
22	Thermal, Mechanical, and Morphological Properties of DPU/Titanate Nanotubes Nanocomposites. Macromolecular Symposia, 2019, 383, 1800009.	0.4	0
23	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
24	Chemical fixation of CO <sub>2</sub> : 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
25	Evaluation of CO <sub>2</sub> attack in wellbore class G cement: influence of epoxy resins, composites and minerals as additives. , 2019, 9, 1276-1287.		6
26	Harnessing CO <sub>2</sub> into Carbonates Using Heterogeneous Waste Derivative Cellulose-Based Poly(ionic) Tj ETQq0 0 0 rBT /Overlock 10 Tf	1.4	16
27	Performance of metal-functionalized rice husk cellulose for CO <sub>2</sub> sorption and CO <sub>2</sub> /N <sub>2</sub> separation. Fuel, 2019, 239, 737-746.	3.4	23
28	Enzymatic Degradation of the Rice Bran: Problem or Opportunity?. Waste and Biomass Valorization, 2019, 10, 755-762.	1.8	5
29	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
30	Imidazolium-based Ionic Liquids Impregnated in Silica and Alumina Supports for CO <sub>2</sub> Capture. Materials Research, 2019, 22, .	0.6	11
31	Polyurethane/poly (Ionic Liquids) Cellulosic Composites and their Evaluation for Separation of CO <sub>2</sub> from Natural Gas. Materials Research, 2019, 22, .	0.6	3
32	Polyurethane /Ionic Silica Xerogel Composites for CO <sub>2</sub> Capture. Materials Research, 2019, 22, .	0.6	1
33	Influence of Alkaline Additives and Buffers on Mineral Trapping of CO <sub>2</sub> under Mild Conditions. Chemical Engineering and Technology, 2018, 41, 573-579.	0.9	1
34	Waste derived MCMRH- supported IL for CO <sub>2</sub> /CH <sub>4</sub> separation. Journal of Natural Gas Science and Engineering, 2018, 54, 54-64.	2.1	31
35	Synthetic talc as a new platform for producing fluorescent clay polyurethane nanocomposites. Applied Clay Science, 2018, 158, 37-45.	2.6	12
36	Surface Active Ionic Liquids as Catalyst for CO <sub>2</sub> Conversion to Propylene Carbonate. Catalysis Letters, 2018, 148, 108-118.	1.4	51

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37	Cellulose based poly(ionic liquids): Tuning cation-anion interaction to improve carbon dioxide sorption. <i>Fuel</i> , 2018, 211, 76-86.	3.4	54
38	Chemical degradation of reinforced epoxy-cement composites under CO <sub>2</sub> -rich environments. <i>Polymer Composites</i> , 2018, 39, E2234.	2.3	5
39	Analyzing the influence of different synthetic talcs in waterborne polyurethane nanocomposites obtainment. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46107.	1.3	8
40	Waterborne polyurethane/Fe <sub>3</sub> O <sub>4</sub> -synthetic talc composites: synthesis, characterization, and magnetic properties. <i>Polymer Bulletin</i> , 2018, 75, 1915-1930.	1.7	14
41	Hybrid Pu/Synthetic Talc/Organic Clay Ternary Nanocomposites: Thermal, Mechanical and Morphological Properties. <i>Polymers and Polymer Composites</i> , 2018, 26, 127-140.	1.0	8
42	Menthol-loaded PLGA Micro and Nanospheres: Synthesis, Characterization and Degradation in Artificial Saliva. <i>Materials Research</i> , 2018, 21, .	0.6	12
43	S�ntese e biodegradabilidade em solo de cop�meros de PET-co-PLLA. <i>Revista Materia</i> , 2018, 23, .	0.1	0
44	SOR��FO DE CO <sub>2</sub> UTILIZANDO L�QUIDO I�NICO ADITIVADO COM EXTENSORES DE �REA SUPERFICIAL. <i>Quimica Nova</i> , 2018, . .	0.3	2
45	Ionic liquids composed of linear amphiphilic anions: Synthesis, physicochemical characterization, hydrophilicity and interaction with carbon dioxide. <i>Journal of Molecular Liquids</i> , 2017, 241, 64-73.	2.3	29
46	Multivariate Statistical Evaluation of Ionic Liquids Features for CO <sub>2</sub> Capture. <i>Energy Procedia</i> , 2017, 114, 86-94.	1.8	4
47	Assessing Thermodynamic Data of CO <sub>2</sub> capture by Ionic Liquids through Hard and Soft Base Theory. <i>Energy Procedia</i> , 2017, 114, 81-85.	1.8	2
48	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
49	Hybrid Alkoxysilane-Functionalized Urethane-Imide-Based Poly(ionic liquids) as a New Platform for Carbon Dioxide Capture. <i>Energy &amp; Fuels</i> , 2017, 31, 9840-9849.	2.5	27
50	New biocomposites based on castor oil polyurethane foams and ionic liquids for CO <sub>2</sub> capture. <i>Fluid Phase Equilibria</i> , 2017, 452, 103-112.	1.4	28
51	Chemical Conversion of CO <sub>2</sub> : Evaluation of Different Ionic Liquids as Catalysts in Dimethyl Carbonate Synthesis. <i>Energy Procedia</i> , 2017, 114, 7141-7149.	1.8	20
52	Thermal Behavior and Spectroscopy Analysis of Carbonized Nanostructures Derived from Polypyrrole Nanotubes. <i>International Journal of Nanoscience</i> , 2017, 16, 1750014.	0.4	2
53	Epoxy resin-cement paste composite for wellbores: Evaluation of chemical degradation fostered carbon dioxide. , 2017, 7, 1065-1079.		8
54	CO <sub>2</sub> conversion to propylene carbonate catalyzed by ionic liquid containing organosilane groups supported on titanate nanotubes/nanowires. <i>Applied Catalysis A: General</i> , 2017, 544, 46-54.	2.2	30

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55	Reducing Greenhouse Gas Emissions with CO <sub>2</sub> Capture and Geological Storage. , 2017, , 2197-2237.		3
56	Preparation and properties of aromatic polyester/TiO <sub>2</sub> nanocomposites from polyethylene terephthalate. Materials Research, 2016, 19, 158-166.	0.6	13
57	Poly(ionic liquid)s Nanoparticles Applied in CO <sub>2</sub> Capture. Macromolecular Symposia, 2016, 368, 98-106.	0.4	11
58	Preparation of Modified Titanate Nanotubes and Its Application in Polyurethane Nanocomposites. Macromolecular Symposia, 2016, 368, 93-97.	0.4	14
59	Anticorrosion Protection by Amine-Ionic Liquid Mixtures: Experiments and Simulations. Journal of Chemical & Engineering Data, 2016, 61, 1803-1810.	1.0	35
60	Greenhouse gases assessment of soybean cultivation steps in southern Brazil. Journal of Cleaner Production, 2016, 131, 747-753.	4.6	25
61	CO <sub>2</sub> capture: Tuning cation-anion interaction in urethane based poly(ionic liquids). Polymer, 2016, 102, 199-208.	1.8	38
62	Comparing Different Synthetic Talc as Fillers for Polyurethane Nanocomposites. Macromolecular Symposia, 2016, 367, 136-142.	0.4	16
63	New cellulose based ionic compounds as low-cost sorbents for CO <sub>2</sub> capture. Fuel Processing Technology, 2016, 149, 131-138.	3.7	39
64	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
65	Synthetic Ni-talc as filler for producing polyurethane nanocomposites. Journal of Applied Polymer Science, 2015, 132, .	1.3	28
66	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
67	Rationalizing the role of the anion in CO <sub>2</sub> capture and conversion using imidazolium-based ionic liquid modified mesoporous silica. RSC Advances, 2015, 5, 64220-64227.	1.7	53
68	New magnetic nanocomposites: Polyurethane/ Fe <sub>3</sub> O <sub>4</sub> -synthetic talc. European Polymer Journal, 2015, 69, 38-49.	2.6	30
69	A Rational Approach to CO <sub>2</sub> Capture by Imidazolium Ionic Liquids: Tuning CO <sub>2</sub> Solubility by Cation Alkyl Branching. ChemSusChem, 2015, 8, 1935-1946.	3.6	70
70	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
71	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
72	A New Approach to CO <sub>2</sub> Capture and Conversion Using Imidazolium Based-Ionic Liquids as Sorbent and Catalyst. Journal of the Brazilian Chemical Society, 2014, .	0.6	4

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73	Poly(ionic liquid)s as efficient catalyst in transformation of CO <sub>2</sub> to cyclic carbonate. Journal of Molecular Catalysis A, 2014, 392, 83-88.	4.8	43
74	Synthesis and characterization of waterborne polyurethane/ZnO composites. Polymer Bulletin, 2014, 71, 829-838.	1.7	28
75	Syntheses and characterization of new poly(ionic liquid)s designed for CO <sub>2</sub> capture. RSC Advances, 2014, 4, 18164.	1.7	43
76	Solvation of Carbon Dioxide in [C <sub>4</sub> mim][BF <sub>4</sub> ] and [C <sub>4</sub> mim][PF <sub>6</sub> ] Ionic Liquids Revealed by High-Pressure NMR Spectroscopy. Angewandte Chemie - International Edition, 2013, 52, 13024-13027.	7.2	59
77	Synthesis and characterization of polyurethane/titanium dioxide nanocomposites obtained by in situ polymerization. Polymer Bulletin, 2013, 70, 1819-1833.	1.7	50
78	Using different catalysts in the chemical recycling of waste from flexible polyurethane foams. Polimeros, 2013, 23, 608-613.	0.2	18
79	Optically transparent membrane based on bacterial cellulose/polycaprolactone. Polimeros, 2013, 23, 135-142.	0.2	43
80	Potencial uso de serpentinito no armazenamento mineral do CO <sub>2</sub> . Quimica Nova, 2013, 36, 773-777.	0.3	4
81	Dispositivos poliméricos cardiovasculares: comportamento termomecânico e viabilidade celular. Revista Materia, 2013, 18, 1313-1322.	0.1	1
82	Reducing Greenhouse Gas Emissions with CO <sub>2</sub> Capture and Geological Storage. , 2012, , 1405-1440.		14
83	CO <sub>2</sub> storage with indirect carbonation using industrial waste. Energy Procedia, 2011, 4, 1010-1017.	1.8	49
84	Effect of time on the carbonation reaction of saline aquifers with controlled pH. Energy Procedia, 2011, 4, 4546-4551.	1.8	1
85	CO <sub>2</sub> Geological storage in saline aquifers: Paraná Basin caprock and reservoir chemical reactivity. Energy Procedia, 2011, 4, 5377-5384.	1.8	22
86	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
87	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
88	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
89	Water-rock-CO <sub>2</sub> 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
90	Ethylene polymerization catalyzed by diamide complexes of Ti(IV) and Zr(IV). Journal of Applied Polymer Science, 2008, 110, 270-275.	1.3	2

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91	Biodiesel from Rice Bran Oil: Transesterification by Tin Compounds. Energy & Fuels, 2008, 22, 671-674.	2.5	53
92	The use of crude tall oil as feed-stock for alkyd resins. E-Polymers, 2008, 8, .	1.3	3
93	Chemical synthesis and in vitro biocompatibility tests of poly (L-lactic acid). Journal of Biomedical Materials Research - Part A, 2007, 83A, 209-215.	2.1	32
94	Chemical recycling of post-consumer PET: Alkyd resins synthesis. Progress in Organic Coatings, 2006, 57, 123-127.	1.9	61
95	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
96	Synthesis and NMR characterization of aliphatic-aromatic copolyesters by reaction of poly(ethylene) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.3	17
97	Zirconium alkoxide complexes as catalysts for ethylene polymerization. Journal of Molecular Catalysis A, 2004, 208, 285-290.	4.8	14
98	New metal catalysts for soybean oil transesterification. JAOCS, Journal of the American Oil Chemists' Society, 2003, 80, 601-604.	0.8	88
99	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
100	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
101	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
102	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
103	Selective Catalytic Hydrodimerization of 1,3-Butadiene by Palladium Compounds Dissolved in Ionic Liquids. Organometallics, 1998, 17, 815-819.	1.1	296
104	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
105	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
106	The use of new ionic liquids in two-phase catalytic hydrogenation reaction by rhodium complexes. Polyhedron, 1996, 15, 1217-1219.	1.0	701
107	Selective two-phase catalytic ethylene dimerization by Ni(II) complexes/AlEtCl <sub>2</sub> dissolved in organoaluminate ionic liquids. Polyhedron, 1996, 15, 3257-3259.	1.0	86
108	Catalytic Dimerization of Propene by Nickel-Phosphine Complexes in 1-Butyl-3-methylimidazolium Chloride/AlEt <sub>x</sub> Cl <sub>3-x</sub> (x = 0, 1) Ionic Liquids. Industrial & Engineering Chemistry Research, 1995, 34, 1149-1155.	1.8	167

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109	CO <sub>2</sub> Chemical Conversion Using Catalytic Systems Based on Titanate Nanotubes. Materials Science Forum, 0, 965, 13-20.	0.3	0
110	Poly(ionic liquid)s-based polyurethane blends: effect of polyols structure and ILs counter cations in CO <sub>2</sub> sorption performance of PILs physical blends. Polymer Bulletin, 0, , 1.	1.7	1