Catherine C Santini

List of Publications by Year
in descending order

39 papers	1,116 citations	17 h-index	33 g-index
42 all docs	42 docs citations	42 times ranked	1353 citing authors

471509
395702

#	Article	IF	Citations
1	Integrated, one-pot carbon capture and utilisation using porous ionic liquids. Chemical Communications, 2021, 57, 7922-7925.	4.1	23
2	Operando XPS: A Novel Approach for Probing the Lithium/Electrolyte Interphase Dynamic Evolution. Journal of Physical Chemistry A, 2021, 125, 1069-1081.	2.5	12
3	Study of the Parameters Impacting the Photocatalytic Reduction of Carbon Dioxide in Ionic Liquids. ChemPhotoChem, 2021, 5, 721-726.	3.0	2
4	Highâ€Performance Porous Ionic Liquids for Lowâ€Pressure CO₂ Capture**. Angewandte Chemie, 2021, 133, 12986-12992.	2.0	6
5	Highâ€Performance Porous Ionic Liquids for Lowâ€Pressure CO₂ Capture**. Angewandte Chemie - International Edition, 2021, 60, 12876-12882.	13.8	63
6	Study of the Parameters Impacting the Photocatalytic Reduction of Carbon Dioxide in Ionic Liquids. ChemPhotoChem, 2021, 5, 692-693.	3.0	2
7	Co-precipitation of MnO and Cu in an ionic liquid as a first step toward self-formed barrier layers. New Journal of Chemistry, 2020, 44, 265-272.	2.8	0
8	Spectral deconvolution in electrophoretic NMR to investigate the migration of neutral molecules in electrolytes. Magnetic Resonance in Chemistry, 2020, 58, 271-279.	1.9	21
9	New Interpretation of X-ray Photoelectron Spectroscopy of Imidazolium Ionic Liquid Electrolytes Based on Ionic Transport Analyses. Journal of Physical Chemistry B, 2020, 124, 7625-7635.	2.6	2
10	Electrochemical Impedance Spectroscopy and X-ray Photoelectron Spectroscopy Study of Lithium Metal Surface Aging in Imidazolium-Based Ionic Liquid Electrolytes Performed at Open-Circuit Voltage. ACS Applied Materials & Interfaces, 2019, 11, 21955-21964.	8.0	29
11	Removal of Volatile Organic Compounds from Bulk and Emulsion Polymers: A Comprehensive Survey of the Existing Techniques. Industrial & Engineering Chemistry Research, 2019, 58, 11601-11623.	3.7	16
12	EIS and XPS Investigation on SEI Layer Formation during First Discharge on Graphite Electrode with a Vinylene Carbonate Doped Imidazolium Based Ionic Liquid Electrolyte. Journal of Physical Chemistry C, 2018, 122, 18223-18230.	3.1	41
13	Investigation of Li+ Cation Coordination and Transportation, by Molecular Modeling and NMR Studies, in a LiNTf2-Doped Ionic Liquidâ€“Vinylene Carbonate Mixture. Journal of Physical Chemistry B, 2018, 122, 8560-8569.	2.6	23
14	Development in the ionic liquid based electrolytes for lithium-ion batteries. , 2017, , .		1
15	An Efficient, Versatile, and Safe Access to Supported Metallic Nanoparticles on Porous Silicon with Ionic Liquids. International Journal of Molecular Sciences, 2016, 17, 876.	4.1	1
16	Ionic liquid-based electrolytes for lithium-ion batteries: review of performances of various electrode systems. Journal of Applied Electrochemistry, 2016, 46, 149-155.	2.9	64
17	Design of plurimetallic catalysts for solid biomass conversion: Batch versus continuous reactors. Fuel Processing Technology, 2016, 142, 192-200.	7.2	2
18	Thermal stability of imidazolium-based ionic liquids. French-Ukrainian Journal of Chemistry, 2016, 4, 51-64.	0.4	15

#	ARTICLE	IF	CITATIONS
19	Direct thermo-catalytic transformation of pine wood into low oxygenated fuel: Influence of the support. Catalysis Today, 2015, 255, 75-79.	4.4	9
20	Characterization of LTO//NMC Batteries Containing Ionic Liquid or Carbonate Electrolytes after Cycling and Overcharge. Journal of the Electrochemical Society, 2015, 162, A1008-A1013.	2.9	9
21	Multifunctional heterogeneous catalyst for one step transformation of lignocellulosic biomass into low oxygenated hydrocarbons. Applied Catalysis A: General, 2015, 495, 162-172.	4.3	7
22	From industrial black liquor to pure phenolic compounds: A combination of catalytic conversion with ionic liquids extraction. Applied Catalysis A: General, 2015, 502, 230-238.	4.3	7
23	Direct thermocatalytic transformation of pine wood into low oxygenated biofuel. Green Chemistry, 2014, 16, 3031-3038.	9.0	9
24	Ru-core/Cu-shell bimetallic nanoparticles with controlled size formed in one-pot synthesis. Nanoscale, 2014, 6, 14856-14862.	5.6	13
25	Targeting adequate thermal stability and fire safety in selecting ionic liquid-based electrolytes for energy storage. Physical Chemistry Chemical Physics, 2014, 16, 1967-1976.	2.8	75
26	Bimetallic Ruâ€“Cu Nanoparticles Synthesized in Ionic Liquids: Kinetically Controlled Size and Structure. Topics in Catalysis, 2013, 56, 1192-1198.	2.8	17
27	Monitoring pine wood thermolysis under hydrogen atmosphere by in situ and ex situ techniques. Journal of Analytical and Applied Pyrolysis, 2013, 100, 81-87.	5.5	11
28	Thermal decomposition of lignocellulosic biomass in the presence of acid catalysts. Bioresource Technology, 2013, 148, 255-260.	9.6	16
29	A silver and water free metathesis reaction: a route to ionic liquids. Green Chemistry, 2013, 15, 1341.	9.0	47
30	Interaction Energies of Ionic Liquids with Metallic Nanoparticles: Solvation and Stabilization Effects. Journal of Physical Chemistry C, 2013, 117, 3537-3547.	3.1	53
31	Physicochemical and electrochemical properties of imidazolium ionic liquids: Cycling performance of low cost lithium ion batteries with LiFePO4 cathode. Materials Research Society Symposia Proceedings, 2013, 1575, 1.	0.1	0
32	Study on Cycling Performance and Electrochemical Stability of 1-Hexyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide Assembled with Li₄Ti₅O₁₂and LiFePO₄at 333 K. Journal of the Electrochemical Society, 2013, 160, A781-A785.	2.9	17
33	Imidazolium Based Ionic Liquid Electrolytes for Li-Ion Secondary Batteries Based on Graphite and LiFePO₄. Journal of the Electrochemical Society, 2013, 160, A66-A69.	2.9	37
34	Ruthenium Nanoparticles in Ionic Liquids â€“ A Saga. Current Organic Chemistry, 2013, 17, 414-429.	1.6	39
35	Olefin hydrogenation by ruthenium nanoparticles in ionic liquid media: Does size matter?. Journal of Catalysis, 2010, 275, 99-107.	6.2	60
36	Imidazolium ionic liquids as promoters and stabilising agents for the preparation of metal(0) nanoparticles by reduction and decomposition of organometallic complexes. Nanoscale, 2010, 2, 2601.	5.6	80

#	Article	IF	Citations
37	How do Physicalâˆ'Chemical Parameters Influence the Catalytic Hydrogenation of 1,3-Cyclohexadiene in Ionic Liquids?. Journal of Physical Chemistry B, 2010, 114, 8156-8165.	2.6	31
38	Organized 3D-alkyl imidazolium ionic liquids could be used to control the size of in situ generated ruthenium nanoparticles?. Journal of Materials Chemistry, 2009, 19, 3624.	6.7	131
39	Influence of the self-organization of ionic liquids on the size of ruthenium nanoparticles: effect of the temperature and stirring. Journal of Materials Chemistry, 2007, 17, 3290.	6.7	125