Yann Danten

List of Publications by Year
in descending order

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24 papers	637 citations	623734 14 h-index	642732 23 g-index
24 all docs	24 docs citations	24 times ranked	719 citing authors

#	Article	IF	Citations
1	CO₂ in 1-Butyl-3-methylimidazolium Acetate. 2. NMR Investigation of Chemical Reactions. Journal of Physical Chemistry A, 2012, 116, 4890-4901.	2.5	100
2	On the spontaneous carboxylation of 1-butyl-3-methylimidazolium acetate by carbon dioxide. Chemical Communications, 2012, 48, 1245-1247.	4.1	94
3	Neutron Diffraction and Molecular Dynamics Study of Liquid Benzene and Its Fluorinated Derivatives as a Function of Temperature. Journal of Physical Chemistry B, 1997, 101, 6977-6987.	2.6	79
4	A far infrared study of water diluted in hydrophobic solvents. Molecular Physics, 1995, 84, 769-785.	1.7	38
5	Structural Investigations of Liquid Binary Mixtures:Â Neutron Diffraction and Molecular Dynamics Studies of Benzene, Hexafluorobenzene, and 1,3,5-Trifluorobenzene. Journal of Physical Chemistry B, 1998, 102, 10712-10723.	2.6	38
6	A far infrared study of benzene-fluorinated benzene binary mixtures. Chemical Physics, 1994, 184, 225-231.	1.9	35
7	Bringing together fundamental and applied science: The supercritical fluids route. Journal of Molecular Liquids, 2006, 125, 88-99.	4.9	35
8	Molecular Insight, through IR Spectroscopy, on Solvating Phenomena Occurring in CO2-Expanded Solutions. ChemPhysChem, 2004, 5, 243-245.	2.1	25
9	Electrodeposition of copper thin films from 1-ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide. Journal of Applied Electrochemistry, 2015, 45, 87-93.	2.9	23
10	Understanding chemical reactions of CO2 and its isoelectronic molecules with 1-butyl-3-methylimidazolium acetate by changing the nature of the cation: The case of CS2 in 1-butyl-1-methylpyrrolidinium acetate studied by NMR spectroscopy and density functional theory calculations. Journal of Chemical Physics, 2014, 140, 244307.	3.0	22
11	Experimental and theoretical studies of tetramethoxy-p-benzoquinone: infrared spectra, structural and lithium insertion properties. RSC Advances, 2013, 3, 19081.	3.6	21
12	Solvation of AgTFSI in 1â€ethylâ€3â€methylimidazolium bis(trifluoromethylsulfonyl)imide ionic liquid investigated by vibrational spectroscopy and DFT calculations. Journal of Raman Spectroscopy, 2016, 47, 449-456.	2.5	20
13	On the chemical reactions of carbon dioxide isoelectronic molecules CS2 and OCS with 1-butyl-3-methylimidazolium acetate. Chemical Communications, 2013, 49, 11083.	4.1	17
14	Electrodeposition of nanocrystalline copper thin films from 1-ethyl-3-methylimidazolium ethylsulphate ionic liquid. Journal of Applied Electrochemistry, 2014, 44, 189-198.	2.9	16
15	Soluteâ€“solvent interactions governing preferential solvation phenomena of acetaminophen in CO2-expanded organic solutions. Journal of Supercritical Fluids, 2006, 38, 295-305.	3.2	14
16	Evolution with the density of CO2 clustering studied by Raman spectroscopy. Journal of Molecular Liquids, 2010, 153, 15-19.	4.9	14
17	A structural study of the hexafluorobenzene from liquid to supercritical conditions using neutron diffraction and molecular dynamics. Journal of Chemical Physics, 2001, 115, 4239-4248.	3.0	11
18	Synergistic Enhancement of the Solubility of Hexamethylenetetramine in Subcritical CO2-Ethanol Mixtures Studied by Infrared Spectroscopy. ChemPhysChem, 2005, 6, 587-590.	2.1	8

#	Article	IF	Citations
19	Breaking the Structure of Liquid Hydrogenated Alcohols Using Perfluorinated tert-Butanol: A Multitechnique Approach (Infrared, Raman, and X-ray Scattering) Analyzed by DFT and Molecular Dynamics Calculations. Journal of Physical Chemistry B, 2022, 126, 1992-2004.	2.6	8
20	Evolution of the Local Order in 1,3,5-Trifluorobenzene from the Liquid State up to Supercritical Conditions. Journal of Physical Chemistry A, 2000, 104, 10986-10993.	2.5	5
21	A tool for deciphering the redox potential ranking of organic compounds: a case study of biomass-extracted quinones for sustainable energy. Physical Chemistry Chemical Physics, 2020, 22, 20212-20226.	2.8	4
22	Gaseous hetero dimers of perfluoro tert-butyl alcohol with hydrogenated alcohols by infrared spectroscopy and quantum DFT calculations. Chemical Physics, 2021, 544, 111110.	1.9	4
23	Relating Electrochemistry of New Organic Materials for Batteries and Fundamental Understanding through DFT Calculations. Advances in Science and Technology, 0, , .	0.2	3
24	The structure of liquid perfluoro Tert-Butanol using Infrared, Raman and X-Ray scattering analyzed by quantum DFT calculations and molecular Dynamics. Chemical Physics Letters, 2021, 779, 138844.	2.6	3