

Charles L Hussey

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4289233/publications.pdf>

Version: 2024-02-01

47
papers

2,871
citations

279798

23
h-index

254184

43
g-index

48
all docs

48
docs citations

48
times ranked

2441
citing authors

#	ARTICLE	IF	CITATIONS
1	Dialkylimidazolium chloroaluminate melts: a new class of room-temperature ionic liquids for electrochemistry, spectroscopy and synthesis. <i>Inorganic Chemistry</i> , 1982, 21, 1263-1264.	4.0	1,384
2	Room-temperature ionic liquids as solvents for electronic absorption spectroscopy of halide complexes. <i>Nature</i> , 1986, 323, 614-616.	27.8	117
3	Electrodeposition of Zinc from the Lewis Acidic Aluminum Chloride-1-Methyl-3-ethylimidazolium Chloride Room Temperature Molten Salt. <i>Journal of the Electrochemical Society</i> , 1997, 144, 3095-3103.	2.9	102
4	Electrochemical and Spectroscopic Characterization of Self-Assembled Monolayers of Ferrocenylalkyl Compounds with Amide Linkages. <i>Langmuir</i> , 1998, 14, 124-136.	3.5	101
5	Aluminum Bromide-1-Methyl-3-ethylimidazolium Bromide Ionic Liquids: I. Densities, Viscosities, Electrical Conductivities, and Phase Transitions. <i>Journal of the Electrochemical Society</i> , 1986, 133, 325-330.	2.9	97
6	Electrodeposition of cesium at mercury electrodes in the tri-1-butylmethylammonium bis((trifluoromethyl)sulfonyl)imide room-temperature ionic liquid. <i>Electrochimica Acta</i> , 2004, 49, 5125-5138.	5.2	82
7	The Electrochemistry of Tin in the Aluminum Chloride-1-methyl-3-ethylimidazolium Chloride Molten Salt. <i>Journal of the Electrochemical Society</i> , 1993, 140, 618-626.	2.9	70
8	Electrodeposition of Copper and Copper-Aluminum Alloys from a Room-Temperature Chloroaluminate Molten Salt. <i>Journal of the Electrochemical Society</i> , 1998, 145, 3110-3116.	2.9	63
9	Electrodeposition of Silver on Metallic and Nonmetallic Electrodes from the Acidic Aluminum Chloride-1-Methyl-3-ethylimidazolium Chloride Molten Salt. <i>Journal of the Electrochemical Society</i> , 1992, 139, 1295-1300.	2.9	62
10	Review "Electrochemical Surface Finishing and Energy Storage Technology with Room-Temperature Haloaluminate Ionic Liquids and Mixtures. <i>Journal of the Electrochemical Society</i> , 2017, 164, H5007-H5017.	2.9	59
11	Physical and Transport Properties of Bis(trifluoromethylsulfonyl)imide-Based Room-Temperature Ionic Liquids: Application to the Diffusion of Tris(2,2[¹]bipyridyl)ruthenium(II). <i>Journal of the Electrochemical Society</i> , 2011, 158, F1.	2.9	56
12	Host-Guest Complexation in Self-Assembled Monolayers: Inclusion of a Monolayer-Anchored Cationic Ferrocene-Based Guest by Cyclodextrin Hosts. <i>Langmuir</i> , 1998, 14, 3797-3807.	3.5	52
13	Densities, Viscosities, and Conductivities of Mixtures of Benzene with the Lewis Acidic Aluminum Chloride + 1-Methyl-3-ethylimidazolium Chloride Molten Salt. <i>Journal of Chemical & Engineering Data</i> , 1996, 41, 1126-1130.	1.9	51
14	The Electrochemistry of Gold at Glassy Carbon in the Basic Aluminum Chloride-1-Methyl-3-ethylimidazolium Chloride Molten Salt. <i>Journal of the Electrochemical Society</i> , 1992, 139, 3103-3108.	2.9	46
15	Electrochemical and Spectroscopic Investigation of Ln ³⁺ (Ln = Sm, Eu, and Yb) Solvation in Bis(trifluoromethylsulfonyl)imide-Based Ionic Liquids and Coordination by N-Tetraoctyl-3-oxa-pentane Diamide (TODGA) and Chloride. <i>Inorganic Chemistry</i> , 2013, 52, 3241-3252.	4.0	46
16	Electrochemistry of Room-Temperature Ionic Liquids and Melts. <i>Modern Aspects of Electrochemistry</i> , 2009, , 63-174.	0.2	43
17	Electrodissolution and Electrodeposition of Lead in an Acidic Room Temperature Chloroaluminate Molten Salt. <i>Journal of the Electrochemical Society</i> , 1991, 138, 1886-1890.	2.9	35
18	Rechargeable aluminum batteries utilizing a chloroaluminate inorganic ionic liquid electrolyte. <i>Chemical Communications</i> , 2018, 54, 4164-4167.	4.1	33

#	ARTICLE	IF	CITATIONS
19	Electrochemical and Spectroscopic Study of Ce(III) Coordination in the 1-Butyl-3-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquid Containing Chloride Ion. <i>Inorganic Chemistry</i> , 2012, 51, 11450-11457.	4.0	28
20	An Electrochemical and Spectroscopic Study of Nd(III) and Pr(III) Coordination in the 1-Butyl-1-methylpyrrolidinium Bis(trifluoromethylsulfonyl)imide Ionic Liquid Containing Chloride Ion. <i>Inorganic Chemistry</i> , 2014, 53, 5750-5758.	4.0	28
21	The Electrochemistry of Mercury at Glassy Carbon and Tungsten Electrodes in the Aluminum Chloride-1-Methyl-3-Ethylimidazolium Chloride Molten Salt. <i>Journal of the Electrochemical Society</i> , 1993, 140, 1226-1233.	2.9	27
22	Some Observations about the Diffusion Coefficients of Anionic Transition Metal Halide Complexes in Room-Temperature Haloaluminate Ionic Liquids. <i>Journal of the Electrochemical Society</i> , 1990, 137, 2515-2516.	2.9	23
23	An Electrochemical and Spectroscopic Study of Cerium in the Basic Aluminum Chloride-1-Methyl-3-Ethylimidazolium Chloride Molten Salt. <i>Journal of the Electrochemical Society</i> , 1993, 140, 3093-3096.	2.9	23
24	Anodic Dissolution of Aluminum in the Aluminum Chloride-1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 2016, 163, H1186-H1194.	2.9	23
25	Electrochemical and spectroscopic studies of rhenium(IV) monomeric and dimeric chloride complexes in the basic aluminum chloride-1-methyl-3-ethylimidazolium chloride room-temperature molten salt. <i>Inorganic Chemistry</i> , 1990, 29, 4246-4252.	4.0	22
26	Electrochemical Studies of Chromium(III) and Chromium(II) Chloride Complexes in Basic Aluminum Chloride-1-Methyl-3-Ethylimidazolium Chloride Room Temperature Molten Salts. <i>Journal of the Electrochemical Society</i> , 1997, 144, 2388-2392.	2.9	21
27	Electrochemistry of Tantalum(V) Chloride in the Basic Aluminum Chloride-1-Methyl-3-Ethylimidazolium Chloride Room-Temperature Molten Salt. <i>Journal of the Electrochemical Society</i> , 1990, 137, 913-918.	2.9	20
28	Electrodeposition of aluminum-hafnium alloy from the Lewis acidic aluminum chloride-1-ethyl-3-methylimidazolium chloride molten salt. <i>Journal of Solid State Electrochemistry</i> , 2013, 17, 409-417.	2.5	18
29	Heterogeneous Electron Transfer Kinetics and Diffusion of Ferrocene/Ferrocenium in Bis(trifluoromethylsulfonyl)imide-Based Ionic Liquids. <i>Journal of the Electrochemical Society</i> , 2012, 159, F125-F133.	2.9	17
30	Electrochemistry of Iron(III) and Titanium(IV) in the Basic AlBr ₃ -1-Methyl-3-Ethylimidazolium Chloride Ionic Liquid. <i>Journal of the Electrochemical Society</i> , 1989, 136, 1415-1419.	2.9	16
31	Aluminum Bromide-1-Methyl-3-Ethylimidazolium Bromide Ionic Liquids: II. Transport Numbers. <i>Journal of the Electrochemical Society</i> , 1987, 134, 1977-1980.	2.9	14
32	Unsymmetrical Dialkyl Sulfides for Self-Assembled Monolayer Formation on Gold: A Lack of Preferential Cleavage of Allyl or Benzyl Substituents. <i>Chemistry of Materials</i> , 1998, 10, 4148-4153.	6.7	13
33	Intermolecular Interactions and Vibrational Perturbations within Mixtures of 1-Ethyl-3-methylimidazolium Thiocyanate and Water. <i>Journal of Physical Chemistry C</i> , 2018, 122, 27673-27680.	3.1	12
34	Electrochemical and Spectroscopic Characterization of Self-Assembled Monolayers of Unsymmetrical Ferrocenyl Dialkyl Sulfide Derivatives on Gold. <i>Langmuir</i> , 1999, 15, 6582-6586.	3.5	11
35	An Electrochemical Study of the Ruthenium(III) and (IV) Hexachlorometallates in a Basic Room Temperature Chloroaluminate Molten Salt. <i>Journal of the Electrochemical Society</i> , 1991, 138, 2590-2594.	2.9	9
36	Electrodeposition of Transition Metal-Aluminum Alloys from Chloroaluminate Molten Salts. , 0, , 275-347.		7

#	ARTICLE	IF	CITATIONS
37	Aluminum Anodization in the LiAlBr ₄ -NaAlCl ₄ -KAlCl ₄ Molten Salt. Journal of the Electrochemical Society, 2015, 162, H151-H156.	2.9	7
38	Thermodynamics and Electron Transfer Kinetics of the [CeCl ₆] ³⁻ Redox Reaction in a Series of Bis(trifluoromethylsulfonyl)imide-Based Room Temperature Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 3454-3463.	6.7	5
39	Room-Temperature Molten Salts : A Bright Future for Applications in Clean Technology. Electrochemistry, 1999, 67, 527-527.	1.4	5
40	Uranium Halide Complexes in Ionic Liquids. ACS Symposium Series, 2005, , 47-67.	0.5	4
41	Anodic Dissolution of Copper in the Acidic and Basic Aluminum Chloride 1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. Journal of the Electrochemical Society, 2021, 168, 046503.	2.9	4
42	Anodic Hydrogen Electrode Reaction in Aluminum Chloride-1-Ethyl-3-methylimidazolium Chloride Ionic Liquids. Electrochemistry, 2005, 73, 644-650.	1.4	4
43	Electrochemistry of Osmium (III) and (IV) Chloride Complexes in the Basic Aluminum Chloride-1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. Journal of the Electrochemical Society, 1988, 135, 3035-3038.	2.9	3
44	(Invited) Surface Finishing with Chloroaluminate Ionic Liquids. ECS Meeting Abstracts, 2019, , .	0.0	0
45	Anodic Dissolution of Copper in the Aluminum Chloride-1-Ethyl-3-Methylimidazolium Chloride Ionic Liquid. ECS Meeting Abstracts, 2020, MA2020-01, 2546-2546.	0.0	0
46	Electrodeposition of Al-Cr-Mn Alloys from Chloroaluminate Ionic Liquids. ECS Meeting Abstracts, 2020, MA2020-01, 1245-1245.	0.0	0
47	Anodic Dissolution of Aluminum in the Aluminum Chloride-1-Ethyl-3-methylimidazolium Chloride Ionic Liquid. Journal of the Electrochemical Society, 2016, 163, .	2.9	0