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Interactions of 1-Ethyl-3-methylimidazolium
Trifluoromethanesulfonate Ionic Liquid with Alumina
Nanoparticles and Organic Solvents Studied by
Infrared Spectroscopy

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#	Paper	IF	Citations
37	Coating thickness and coverage effects on the forces between silica nanoparticles in water. <i>Journal of Chemical Physics</i> , 2014 , 140, 194904	3.9	22
36	Heterogeneous catalyst preparation in ionic liquids: Titania supported gold nanoparticles. <i>Catalysis Today</i> , 2014 , 235, 58-71	5.3	11
35	Interactions Between the Room-Temperature Ionic Liquid [C2C1Im][OTf] and Pd(111), Well-Ordered Al ₂ O ₃ , and Supported Pd Model Catalysts from IR Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3188-3193	3.8	37
34	Interface controls spontaneous crystallization in thin films of the ionic liquid [C ₁₂ Im][OTf] on atomically clean Pd(111). <i>Langmuir</i> , 2014 , 30, 6846-51	4	18
33	Ionic association and interactions in aqueous methylsulfate alkyl-imidazolium-based ionic liquids. <i>Journal of Chemical Thermodynamics</i> , 2014 , 77, 214-221	2.9	31
32	The use of supported acidic ionic liquids in organic synthesis. <i>Molecules</i> , 2014 , 19, 8840-84	4.8	88
31	Structure and nanostructure in ionic liquids. <i>Chemical Reviews</i> , 2015 , 115, 6357-426	68.1	1448
30	Raman and FTIR spectroscopic studies of 1-ethyl-3-methylimidazolium trifluoromethylsulfonate, its mixtures with water and the solvation of zinc ions. <i>ChemPhysChem</i> , 2015 , 16, 970-7	3.2	43
29	Influence of Water on the Electrified Ionic Liquid/Solid Interface: A Direct Observation of the Transition from a Multilayered Structure to a Double-Layer Structure. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 9341-9349	3.8	72
28	Molecular Structure and Interactions in the Ionic Liquid 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 6274-86	2.8	57
27	Physicochemical study of solution behavior of ionic liquid prevalent in diverse solvent systems at different temperatures. <i>Chemical Physics Letters</i> , 2016 , 665, 85-94	2.5	3
26	Investigation of Charge Transfer in Ag/N719/TiO ₂ Interface by Surface-Enhanced Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 13078-13086	3.8	34
25	Solvation of Palladium Clusters in an Ionic Liquid: A QM/MM Molecular Dynamics Study. <i>Journal of Physical Chemistry C</i> , 2016 , 120, 4596-4604	3.8	16
24	The study of molecular interactions in 1-ethyl-3-methylimidazolium trifluoromethanesulfonate + 1-pentanol from density, speed of sound and refractive index measurements. <i>Journal of Chemical Thermodynamics</i> , 2016 , 98, 298-308	2.9	19
23	Ionic Liquid-Modified Electrocatalysts: The Interaction of [C ₁ C ₂ Im][OTf] with Pt(1 1 1) and its Influence on Methanol Oxidation Studied by Electrochemical IR Spectroscopy. <i>Electrochimica Acta</i> , 2016 , 188, 825-836	6.7	28
22	Molecular interaction studies in the binary mixture of 1-ethyl-3-methylimidazolium trifluoromethanesulphonate+1-butanol from density, speed of sound and refractive index measurements. <i>Physics and Chemistry of Liquids</i> , 2017 , 1-21	1.5	1
21	Tuning the electronic environment of zinc ions with a ligand for dendrite-free zinc deposition in an ionic liquid. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 25989-25995	3.6	12

20	Synthesis of CdS quantum dots in an imidazolium based ionic liquid. <i>Materials Science in Semiconductor Processing</i> , 2017 , 71, 258-262	4.3	8
19	Probing Structures of Interfacial 1-Butyl-3-Methylimidazolium Trifluoromethanesulfonate Ionic Liquid on Nano-Aluminum Oxide Surfaces Using High-Pressure Infrared Spectroscopy. <i>Applied Sciences (Switzerland)</i> , 2017 , 7, 855	2.6	12
18	Influence of the alkyl chain on the vibrational structure and interionic interactions in 1-alkyl-3-methylimidazolium trifluoromethanesulfonate ionic liquids. <i>Journal of Molecular Liquids</i> , 2018 , 255, 413-418	6	13
17	Interfacial Behavior of Orthoborate Ionic Liquids at Inorganic Oxide Surfaces Probed by NMR, IR, and Raman Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 19687-19698	3.8	15
16	DFT and vibrational spectroscopy study of 1-butyl-3-methylimidazolium trifluoromethanesulfonate ionic liquid. <i>Journal of Molecular Structure</i> , 2019 , 1175, 663-676	3.4	24
15	Insights from molecular dynamics simulations on structural organization and diffusive dynamics of an ionic liquid at solid and vacuum interfaces. <i>Journal of Colloid and Interface Science</i> , 2019 , 553, 350-363	9.3	10
14	Interplay of Different Moieties in the Binary System 1-Ethyl-3-methylimidazolium Trifluoromethanesulfonate/Water Studied by Raman Spectroscopy and Density Functional Theory Calculations. <i>Journal of Physical Chemistry B</i> , 2019 , 123, 4004-4016	3.4	8
13	A combined DFT and FT-IR study on the surface interactions in alumina supported ionic liquid [H-Pyr][HSO]. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020 , 226, 117545	4.4	6
12	Effect of the active phase-support interaction on the electronic, thermal and catalytic properties of [H ₂ Pyr] ⁺ [HSO ₄] ⁻ support (support = rice husk ash; corundum). <i>Journal of Molecular Liquids</i> , 2020 , 315, 113725	6	5
11	Chemical reactivity of the ionic liquid tris(2-amino-1,3-thiazolium) hydrogen sulfate sulfate monohydrate (TAHSSM) and surface effects in the TAHSSM/Al ₂ O ₃ system. <i>Journal of Molecular Liquids</i> , 2021 , 323, 114634	6	4
10	Adsorption of Hydrophilic Amine-Based Protic Ionic Liquids on Iron-Based Substrates. <i>Journal of Oleo Science</i> , 2021 , 70, 333-339	1.6	4
9	Phosphate-Based Electrolyte and Pristine Graphite Cathode for a High-Voltage Rechargeable Dual-Ion Magnesium Battery. <i>ACS Applied Energy Materials</i> , 2021 , 4, 5165-5174	6.1	5
8	From Water Solutions to Ionic Liquids with Solid State Nanopores as a Perspective to Study Transport and Translocation Phenomena. <i>Small</i> , 2021 , 17, e2100777	11	4
7	FTIR studies on plasticization of silicate glass with ionic liquids (conversion to silicate polymers). <i>Journal of Non-Crystalline Solids</i> , 2021 , 561, 120757	3.9	1
6	Computational approach to (ZnS) _n nanoclusters in ionic liquids. <i>Physical Review E</i> , 2021 , 104, 024604	2.4	
5	High throughput study of ionic liquids in controlled environments with FTIR spectroscopic imaging. <i>Journal of Molecular Liquids</i> , 2021 , 337, 116412	6	2
4	Photoswitchable Composite Polymer Electrolytes Using Spiropyran-Immobilized Nanoporous Templates. <i>Chemistry - A European Journal</i> , 2021 , 27, 14981-14988	4.8	0
3	Surface, textural and catalytic properties of pyridinium hydrogen sulfate ionic liquid heterogenized on activated carbon carrier. <i>Journal of Molecular Liquids</i> , 2021 , 340, 117192	6	

- 2 Electrochemical Behavior of Sm(III) and Electrodeposition of Samarium from 1-Butyl-1-Methylpyrrolidinium Dicyanamide Ionic Liquid. *Journal of the Electrochemical Society*, **2022**, 169, 022503 3.9 0
- 1 Nanostructures in Ionic Liquid. *Materials Horizons*, **2022**, 181-198 0.6