

Lei Yu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/33334/publications.pdf>

Version: 2024-02-01

24
papers

662
citations

687363

13
h-index

713466

21
g-index

24
all docs

24
docs citations

24
times ranked

1011
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Ionic Liquid High-Temperature Gas Sensor Array. <i>Analytical Chemistry</i> , 2006, 78, 6980-6989. | 6.5 | 108 |
| 2 | Preparation of aqueous polyaniline dispersions by micellar-aided polymerization. <i>Journal of Applied Polymer Science</i> , 2003, 88, 1550-1555. | 2.6 | 94 |
| 3 | Quantitative gold nanoparticle analysis methods: A review. <i>Talanta</i> , 2010, 82, 869-875. | 5.5 | 72 |
| 4 | Catalytic Electrochemical Reduction of CO ₂ in Ionic Liquid EMIMBF ₃ Cl. <i>Journal of the Electrochemical Society</i> , 2011, 158, F155. | 2.9 | 59 |
| 5 | Conductivity, Viscosity, and Dissolution Enthalpy of LiNTF ₂ in Ionic Liquid BMINTF ₂ . <i>Journal of Physical Chemistry B</i> , 2010, 114, 11709-11714. | 2.6 | 44 |
| 6 | Ionic liquid high temperature gas sensors. <i>Chemical Communications</i> , 2005, , 2277. | 4.1 | 42 |
| 7 | Cross-Linked Surface-Grafted Glycopolymer for Multivalent Recognition of Lectin. <i>Analytical Chemistry</i> , 2007, 79, 8979-8986. | 6.5 | 32 |
| 8 | Silver Oxide Coatings with High Silver-Ion Elution Rates and Characterization of Bactericidal Activity. <i>Molecules</i> , 2017, 22, 1487. | 3.8 | 29 |
| 9 | Methane Interactions with Polyaniline/Butylmethylimidazolium Camphorsulfonate Ionic Liquid Composite. <i>Langmuir</i> , 2008, 24, 11631-11636. | 3.5 | 25 |
| 10 | Conductivity and Spectroscopic Investigation of Bis(trifluoromethanesulfonyl)imide Solution in Ionic Liquid 1-Butyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide. <i>Journal of Physical Chemistry B</i> , 2012, 116, 6553-6560. | 2.6 | 23 |
| 11 | Theoretical investigations of ferrocene/ferrocenium solvation in imidazolium-based room-temperature ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 2669. | 2.8 | 23 |
| 12 | Conductivity, viscosity, and thermodynamic properties of propylene carbonate solutions in ionic liquids. <i>Journal of Molecular Liquids</i> , 2017, 246, 215-220. | 4.9 | 22 |
| 13 | Conductivity, Spectroscopic, and Computational Investigation of H ₃ O ⁺ Solvation in Ionic Liquid BMIBF ₄ . <i>Journal of Physical Chemistry B</i> , 2013, 117, 7057-7064. | 2.6 | 14 |
| 14 | Characterization of the Bridged Proton Structure in HTFSI Acid Ionic Liquid Solutions. <i>Journal of Physical Chemistry B</i> , 2015, 119, 6304-6310. | 2.6 | 14 |
| 15 | Doped polyaniline in Brønsted acid ionic liquid 1-butyl-3-methylimidazolium bis(trifluoromethyl(sulfonyl))imide. <i>Journal of Applied Polymer Science</i> , 2013, 127, 2453-2457. | 2.6 | 13 |
| 16 | Irreversible Redox Reactions of Ferrocene/Ferrocenium on Self-Assembled Monolayer Modified Gold Electrode in Ionic Liquid BMIMBF ₄ . <i>Journal of the Electrochemical Society</i> , 2011, 158, F10. | 2.9 | 11 |
| 17 | Gold Nanoparticle Determination by Inductively Coupled Plasma-Mass Spectrometry, Anodic Stripping Voltammetry, and Flame Atomic Absorption Spectrophotometry. <i>Analytical Letters</i> , 2012, 45, 1310-1320. | 1.8 | 9 |
| 18 | Thermodynamic and conductivity properties of acetic acid in EMIMOAc ionic liquid solutions. <i>Journal of Molecular Liquids</i> , 2016, 216, 710-715. | 4.9 | 7 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Proton transfer and esterification reactions in EMIMOAc-based acidic ionic liquids. RSC Advances, 2017, 7, 18333-18339. | 3.6 | 6 |
| 20 | Conductivity, Viscosity, Spectroscopic Properties of Organic Sulfonic Acid solutions in Ionic Liquids. ChemEngineering, 2019, 3, 81. | 2.4 | 5 |
| 21 | Temperature-Dependent Dielectric Properties of Polyimide (PI) and Polyamide (PA) Nanocomposites. IEEE Nanotechnology Magazine, 2021, 20, 584-591. | 2.0 | 5 |
| 22 | Label-free detection of Bacillus cereus DNA hybridization using electrochemical impedance spectroscopy for food quality monitoring application. , 2010, , . | | 3 |
| 23 | Increased Dielectric Strength of Polyimide/Silicon Dioxide Nanocomposites at Cryogenic Temperatures. , 2020, , . | | 2 |
| 24 | PMMA Nanocomposite Based Cryogenic Dielectrics for High-Temperature Superconducting (HTS) Cables. , 2021, , . | | 0 |