

Talia Jane Stockmann

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Gold Nanofilms at Liquid-Liquid Interfaces: An Emerging Platform for Redox Electrocatalysis, Nanoplasmonic Sensors, and Electrovariable Optics. <i>Chemical Reviews</i> , 2018, 118, 3722-3751.	47.7	113
2	Platinum Nanoparticle Impacts at a Liquid Liquid Interface. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13493-13497.	13.8	44
3	Determination of alkali metal ion transfers at liquid liquid interfaces stabilized by a micropipette. <i>Journal of Electroanalytical Chemistry</i> , 2012, 684, 6-12.	3.8	41
4	Interfacial Complexation Reactions of Sr ²⁺ with Octyl(phenyl)diisobutylcarbamoylmethylphosphine Oxide for Understanding Its Extraction in Reprocessing Spent Nuclear Fuels. <i>Chemistry - A European Journal</i> , 2011, 17, 13206-13216.	3.3	34
5	Hydrophobicity of room temperature ionic liquids assessed by the Galvani potential difference established at micro liquid/liquid interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2010, 649, 23-31.	3.8	32
6	Decamethylruthenocene Hydride and Hydrogen Formation at Liquid Liquid Interfaces. <i>Journal of Physical Chemistry C</i> , 2015, 119, 25761-25769.	3.1	31
7	Hydrophobic alkylphosphonium ionic liquid for electrochemistry at ultramicroelectrodes and micro liquid liquid interfaces. <i>Electrochimica Acta</i> , 2012, 62, 8-18.	5.2	27
8	Electrochemical oxygen reduction at soft interfaces catalyzed by the transfer of hydrated lithium cations. <i>Journal of Electroanalytical Chemistry</i> , 2014, 731, 28-35.	3.8	27
9	Uranyl Ion Extraction with Conventional PUREX/TRUOX Ligands Assessed by Electroanalytical Chemistry at Micro Liquid/Liquid Interfaces. <i>Analytical Chemistry</i> , 2011, 83, 7542-7549.	6.5	25
10	Tetraoctylphosphonium Tetrakis(pentafluorophenyl)borate Room Temperature Ionic Liquid toward Enhanced Physicochemical Properties for Electrochemistry. <i>Journal of Physical Chemistry B</i> , 2012, 116, 12826-12834.	2.6	23
11	Surprising acidity of hydrated lithium cations in organic solvents. <i>Chemical Communications</i> , 2014, 50, 5554-5557.	4.1	23
12	Mechanism of oxygen reduction by metallocenes near liquid liquid interfaces. <i>Journal of Electroanalytical Chemistry</i> , 2014, 729, 43-52.	3.8	23
13	Electrochemical assessment of water ionic liquid biphasic systems towards cesium extraction from nuclear waste. <i>Analytica Chimica Acta</i> , 2014, 821, 41-47.	5.4	21
14	Optical Nanoimpacts of Dielectric and Metallic Nanoparticles on Gold Surface by Reflectance Microscopy: Adsorption or Bouncing?. <i>Journal of Analysis and Testing</i> , 2019, 3, 175-188.	5.1	21
15	Scanning Electrochemical Microscopy of Belousov-Zhabotinsky Reaction: How Confined Oscillations Reveal Short Lived Radicals and Auto-Catalytic Species. <i>Analytical Chemistry</i> , 2015, 87, 9621-9630.	6.5	20
16	Kinetic differentiation of bulk/interfacial oxygen reduction mechanisms at/near liquid/liquid interfaces using scanning electrochemical microscopy. <i>Journal of Electroanalytical Chemistry</i> , 2014, 732, 101-109.	3.8	18
17	Facilitated Lewis Acid Transfer by Phospholipids at a (Water CHCl ₃) Liquid Liquid Interface toward Biomimetic and Energy Applications. <i>Journal of Physical Chemistry C</i> , 2016, 120, 11977-11983.	3.1	18
18	Trends in Hydrophilicity/Lipophilicity of Phosphonium Ionic Liquids As Determined by Ion-Transfer Electrochemistry. <i>Langmuir</i> , 2016, 32, 12966-12974.	3.5	16

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19	Preparation and crystal structure of tetraoctylphosphonium tetrakis(pentafluorophenyl)borate ionic liquid for electrochemistry at its interface with water. <i>Catalysis Today</i> , 2017, 295, 89-94.	4.4	14
20	Platinum Nanoparticle Impacts at a Liquid Liquid Interface. <i>Angewandte Chemie</i> , 2017, 129, 13678-13682.	2.0	13
21	Single LiBH ₄ nanocrystal stochastic impacts at a micro water ionic liquid interface. <i>Electrochimica Acta</i> , 2019, 299, 222-230.	5.2	13
22	Evaluation of Gibbs Energy of Dioxouranium Transfer at an Electrified Liquid Liquid Interface Supported on a Microhole. <i>Electroanalysis</i> , 2011, 23, 2677-2686.	2.9	12
23	Correlation of Stoichiometries for Rb ⁺ Extraction Determined by Mass Spectrometry and Electrochemistry at Liquid Liquid Interfaces. <i>Analytical Chemistry</i> , 2012, 84, 6143-6149.	6.5	12
24	Facile determination of formal transfer potentials for hydrophilic alkali metal ions at water ionic liquid microinterfaces. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 13949.	2.8	12
25	Detection of <i>Pseudomonas aeruginosa</i> quorum sensing molecules at an electrified liquid liquid micro-interface through facilitated proton transfer. <i>Analyst</i> , 2020, 145, 7000-7008.	3.5	12
26	Formal transfer potentials of strontium and uranyl ions at water 1,2-dichloroethane interfaces. <i>Canadian Journal of Chemistry</i> , 2012, 90, 836-842.	1.1	11
27	Electrochemical Detection of <i>Pseudomonas aeruginosa</i> Quorum Sensing Molecules at a Liquid Liquid Interface. <i>Journal of Physical Chemistry C</i> , 2019, 123, 24643-24650.	3.1	11
28	Simulations employing finite element method at liquid liquid interfaces. <i>Current Opinion in Electrochemistry</i> , 2018, 7, 200-207.	4.8	10
29	Electrochemically controlled Au nanoparticle nucleation at a micro liquid/liquid interface using ferrocene as reducing agent. <i>Electrochemistry Communications</i> , 2021, 122, 106894.	4.7	9
30	Electrochemical behaviour of ferrocenes in tributylmethylphosphonium methyl sulfate mixtures with water and 1,2-dichloroethane. <i>Canadian Journal of Chemistry</i> , 2015, 93, 13-21.	1.1	5
31	Simultaneous electropolymerization/Au nanoparticle generation at an electrified liquid/liquid micro-interface. <i>Electrochimica Acta</i> , 2022, 426, 140749.	5.2	5
32	Ion-transfer electrochemistry at arrays of nanoscale interfaces between two immiscible electrolyte solutions arranged in hexagonal format. <i>Journal of Electroanalytical Chemistry</i> , 2022, 909, 116113.	3.8	3
33	Single entity electrochemical detection of as-prepared metallic and dielectric nanoparticle stochastic impacts in a phosphonium ionic liquid. <i>ChemElectroChem</i> , 0, , .	3.4	3
34	Electrochemical Characterization of Fe(II) Complexation Reactions at an Electrified Micro Liquid-Liquid Interface. <i>ChemElectroChem</i> , 2021, 8, 1580-1587.	3.4	1
35	Single Entity Electrochemical Detection of As-prepared Metallic and Dielectric Nanoparticle Stochastic Impacts in a Phosphonium Ionic Liquid. <i>ChemElectroChem</i> , 0, , .	3.4	0
36	Single Entity Electrochemical Detection of As-prepared Metallic and Dielectric Nanoparticle Stochastic Impacts in a Phosphonium Ionic Liquid. <i>ChemElectroChem</i> , 0, , .	3.4	0

#	ARTICLE	IF	CITATIONS
37	(Invited) Electrochemical Detection of Pseudomonas Aeruginosa Quorum Sensing Molecules at Micro Liquid Liquid Interface Via Facilitated Proton Transfer Mechanism. ECS Meeting Abstracts, 2022, MA2022-01, 1862-1862.	0.0	0