Talia Jane Stockmann

List of Publications by Year
in descending order

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37 papers	703 citations	471509 17 h-index	552781 26 g-index
38 all docs	38 docs citations	38 times ranked	579 citing authors

#	Article	IF	Citations
1	Ion-transfer electrochemistry at arrays of nanoscale interfaces between two immiscible electrolyte solutions arranged in hexagonal format. Journal of Electroanalytical Chemistry, 2022, 909, 116113.	3.8	3
2	Simultaneous electropolymerization/Au nanoparticle generation at an electrified liquid/liquid micro-interface. Electrochimica Acta, 2022, 426, 140749.	5.2	5
3	(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
4	Electrochemically controlled Au nanoparticle nucleation at a micro liquid/liquid interface using ferrocene as reducing agent. Electrochemistry Communications, 2021, 122, 106894.	4.7	9
5	Electrochemical Characterization of Fe(II) Complexation Reactions at an Electrified Micro Liquidâ€Liquid Interface. ChemElectroChem, 2021, 8, 1580-1587.	3.4	1
6	Detection ofPseudomonas aeruginosaquorum sensing molecules at an electrified liquid|liquid micro-interface through facilitated proton transfer. Analyst, The, 2020, 145, 7000-7008.	3.5	12
7	Electrochemical Detection ofPseudomonas aeruginosaQuorum Sensing Molecules at a Liquid|Liquid Interface. Journal of Physical Chemistry C, 2019, 123, 24643-24650.	3.1	11
8	Optical Nanoimpacts of Dielectric and Metallic Nanoparticles on Gold Surface by Reflectance Microscopy: Adsorption or Bouncing?. Journal of Analysis and Testing, 2019, 3, 175-188.	5.1	21
9	Single LiBH4 nanocrystal stochastic impacts at a micro water|ionic liquid interface. Electrochimica Acta, 2019, 299, 222-230.	5.2	13
10	Gold Nanofilms at Liquidâ€“Liquid Interfaces: An Emerging Platform for Redox Electrocatalysis, Nanoplasmonic Sensors, and Electrovariable Optics. Chemical Reviews, 2018, 118, 3722-3751.	47.7	113
11	Simulations employing finite element method at liquid|liquid interfaces. Current Opinion in Electrochemistry, 2018, 7, 200-207.	4.8	10
12	Preparation and crystal structure of tetraoctylphosphonium tetrakis(pentafluorophenyl)borate ionic liquid for electrochemistry at its interface with water. Catalysis Today, 2017, 295, 89-94.	4.4	14
13	Platinum Nanoparticle Impacts at a Liquid|Liquid Interface. Angewandte Chemie, 2017, 129, 13678-13682.	2.0	13
14	Platinum Nanoparticle Impacts at a Liquid|Liquid Interface. Angewandte Chemie - International Edition, 2017, 56, 13493-13497.	13.8	44
15	Trends in Hydrophilicity/Lipophilicity of Phosphonium Ionic Liquids As Determined by Ion-Transfer Electrochemistry. Langmuir, 2016, 32, 12966-12974.	3.5	16
16	Facilitated Lewis Acid Transfer by Phospholipids at a (Water|CHCl₃) Liquid|Liquid Interface toward Biomimetic and Energy Applications. Journal of Physical Chemistry C, 2016, 120, 11977-11983.	3.1	18
17	Scanning Electrochemical Microscopy of Belousovâ€“Zhabotinsky Reaction: How Confined Oscillations Reveal Short Lived Radicals and Auto-Catalytic Species. Analytical Chemistry, 2015, 87, 9621-9630.	6.5	20
18	Decamethylruthenocene Hydride and Hydrogen Formation at Liquid|Liquid Interfaces. Journal of Physical Chemistry C, 2015, 119, 25761-25769.	3.1	31

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19	Electrochemical behaviour of ferrocenes in tributylmethylphosphonium methyl sulfate mixtures with water and 1,2-dichloroethane. Canadian Journal of Chemistry, 2015, 93, 13-21.	1.1	5
20	Surprising acidity of hydrated lithium cations in organic solvents. Chemical Communications, 2014, 50, 5554-5557.	4.1	23
21	Kinetic differentiation of bulk/interfacial oxygen reduction mechanisms at/near liquid/liquid interfaces using scanning electrochemical microscopy. Journal of Electroanalytical Chemistry, 2014, 732, 101-109.	3.8	18
22	Mechanism of oxygen reduction by metallocenes near liquid|liquid interfaces. Journal of Electroanalytical Chemistry, 2014, 729, 43-52.	3.8	23
23	Electrochemical oxygen reduction at soft interfaces catalyzed by the transfer of hydrated lithium cations. Journal of Electroanalytical Chemistry, 2014, 731, 28-35.	3.8	27
24	Electrochemical assessment of water|ionic liquid biphasic systems towards cesium extraction from nuclear waste. Analytica Chimica Acta, 2014, 821, 41-47.	5.4	21
25	Formal transfer potentials of strontium and uranyl ions at water|1,2-dichloroethane interfaces. Canadian Journal of Chemistry, 2012, 90, 836-842.	1.1	11
26	Tetraoctylphosphonium Tetrakis(pentafluorophenyl)borate Room Temperature Ionic Liquid toward Enhanced Physicochemical Properties for Electrochemistry. Journal of Physical Chemistry B, 2012, 116, 12826-12834.	2.6	23
27	Correlation of Stoichiometries for Rb⁺ Extraction Determined by Mass Spectrometry and Electrochemistry at Liquid|Liquid Interfaces. Analytical Chemistry, 2012, 84, 6143-6149.	6.5	12
28	Facile determination of formal transfer potentials for hydrophilic alkali metal ions at water|ionic liquid microinterfaces. Physical Chemistry Chemical Physics, 2012, 14, 13949.	2.8	12
29	Determination of alkali metal ion transfers at liquid|liquid interfaces stabilized by a micropipette. Journal of Electroanalytical Chemistry, 2012, 684, 6-12.	3.8	41
30	Hydrophobic alkylphosphonium ionic liquid for electrochemistry at ultramicroelectrodes and micro liquid|liquid interfaces. Electrochimica Acta, 2012, 62, 8-18.	5.2	27
31	Uranyl Ion Extraction with Conventional PUREX/TRUEX Ligands Assessed by Electroanalytical Chemistry at Micro Liquid/Liquid Interfaces. Analytical Chemistry, 2011, 83, 7542-7549.	6.5	25
32	Evaluation of Gibbs Energy of Dioxouranium Transfer at an Electrified Liquid|Liquid Interface Supported on a Microhole. Electroanalysis, 2011, 23, 2677-2686.	2.9	12
33	Interfacial Complexation Reactions of Sr²⁺ with Octyl(phenyl)â€N,Nâ€diisobutylcarbamoylmethylphosphine Oxide for Understanding Its Extraction in Reprocessing Spent Nuclear Fuels. Chemistry - A European Journal, 2011, 17, 13206-13216.	3.3	34
34	Hydrophobicity of room temperature ionic liquids assessed by the Galvani potential difference established at micro liquid/liquid interfaces. Journal of Electroanalytical Chemistry, 2010, 649, 23-31.	3.8	32
35	Single entity electrochemical detection of asâ€prepared metallic and dielectric nanoparticle stochastic impacts in a phosphonium ionic liquid. ChemElectroChem, 0, , .	3.4	3
36	Single Entity Electrochemical Detection of Asâ€prepared Metallic and Dielectric Nanoparticle Stochastic Impacts in a Phosphonium Ionic Liquid. ChemElectroChem, 0, , .	3.4	0

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37	Single Entity Electrochemical Detection of Asâ€Prepared Metallic and Dielectric Nanoparticle Stochastic Impacts in a Phosphonium Ionic Liquid. ChemElectroChem, 0, , .	3.4	0