## Mikael Nilsson

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Immunity of nanoscale magnetic tunnel junctions with perpendicular magnetic anisotropy to ionizing radiation. Scientific Reports, 2020, 10, 10220.	3.3	19
2	Synergism and Aggregation in Multi-Extractant Solvent Extraction Systems. Solvent Extraction and lon Exchange, 2019, 37, 269-283.	2.0	5
3	Determining Stability Constants Using the AKUFVE Technique. Solvent Extraction and Ion Exchange, 2019, 37, 213-225.	2.0	4
4	Radiolytic Degradation of Uranyl-Loaded Tributyl Phosphate by High and Low LET Radiation. Solvent Extraction and Ion Exchange, 2019, 37, 38-52.	2.0	8
5	Complexation of High-Valency Mid-Actinides by a Lipophilic Schiff Base Ligand: Synthesis, Structural Characterization, and Progress toward Selective Extraction. Inorganic Chemistry, 2019, 58, 3559-3563.	4.0	9
6	Microscopic Behaviors of Tri- <i>n</i> -Butyl Phosphate, <i>n</i> -Dodecane, and Their Mixtures at Air/Liquid and Liquid/Liquid Interfaces: An AMBER Polarizable Force Field Study. Journal of Physical Chemistry B, 2019, 123, 655-665.	2.6	3
7	Combinations of NIR, Raman spectroscopy and physicochemical measurements for improved monitoring of solvent extraction processes using hierarchical multivariate analysis models. Analytica Chimica Acta, 2018, 1006, 10-21.	5.4	13
8	Quantum-dot doped polymeric scintillation material for radiation detection. Radiation Measurements, 2018, 111, 27-34.	1.4	14
9	Coordination chemistry of lanthanides in a AOT–CMPO solvent extraction system: UV-Vis and XAFS studies. Dalton Transactions, 2018, 47, 15424-15438.	3.3	5
10	Molecular Dynamics Investigations of Dibutyl-phosphoric Acid—Parameterization and Dimerization. Journal of Physical Chemistry B, 2018, 122, 12040-12048.	2.6	2
11	Accuracy, Repeatability, and Limitations for Determination of Chemical Activities from Vapor Pressure Osmometry. Analytical Chemistry, 2018, 90, 12761-12767.	6.5	1
12	Comparative study using ion exchange resins to separate and reduce NORM from oil and gas flowback wastewater. Journal of Radioanalytical and Nuclear Chemistry, 2018, 318, 497-503.	1.5	3
13	Determinations of Dipole Moments for Liquid–Liquid Extraction Reagents. Journal of Solution Chemistry, 2018, 47, 1214-1223.	1.2	1
14	Rate theory on water exchange in aqueous uranyl ion. Chemical Physics Letters, 2017, 671, 58-62.	2.6	7
15	Structural study of complexes formed by acidic and neutral organophosphorus reagents. Dalton Transactions, 2017, 46, 1194-1206.	3.3	26
16	Quantifying Dimer and Trimer Formation of Tri-n-butyl Phosphates in Different Alkane Diluents: FTIR Study. Journal of Physical Chemistry B, 2016, 120, 6976-6984.	2.6	8
17	Water-soluble Schiff base-actinyl complexes and their effect on the solvent extraction of f-elements. Dalton Transactions, 2016, 45, 15415-15426.	3.3	9
18	Quantifying Dimer and Trimer Formation by Tri- <i>n</i> butyl Phosphates in <i>n</i> Dodecane: Molecular Dynamics Simulations. Journal of Physical Chemistry B, 2016, 120, 6985-6994.	2.6	15

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19	Introduction to the reprocessing and recycling of spent nuclear fuels. , 2015, , 3-25.		24
20	Computational Study of Molecular Structure and Self-Association of Tri- <i>n</i> -butyl Phosphates in <i>n</i> -Dodecane. Journal of Physical Chemistry B, 2015, 119, 1588-1597.	2.6	38
21	Production of high specific activity radiolanthanides for medical purposes using the UC Irvine TRICA reactor. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1099-1103.	1.5	6
22	Experimental and Theoretical Studies of Actinide and Lanthanide Ion Transport Across Supported Liquid Membranes. Solvent Extraction and Ion Exchange, 2015, 33, 554-575.	2.0	4
23	Fluorescence studies of metal complexes in synergistic extraction systems combining dibutyl phosphoric acid and tri-n-butyl phosphate. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1105-1109.	1.5	1
24	Radiolysis of Tributyl Phosphate by Particles of High Linear Energy Transfer. Solvent Extraction and Ion Exchange, 2014, 32, 584-600.	2.0	12
25	Challenging conventional f-element separation chemistry – reversing uranyl( <scp>vi</scp> )/lanthanide( <scp>iii</scp> ) solvent extraction selectivity. Chemical Communications, 2014, 50, 8670.	4.1	13
26	The Radiation Chemistry of CMPO: Part 2. Alpha Radiolysis. Solvent Extraction and Ion Exchange, 2014, 32, 167-178.	2.0	19
27	Development of a method for high LET irradiation of liquid systems. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1401-1409.	1.5	8
28	A SAXS Study of Aggregation in the Synergistic TBP–HDBP Solvent Extraction System. Journal of Physical Chemistry B, 2013, 117, 5916-5924.	2.6	54
29	Synergistic Extraction of Dysprosium and Aggregate Formation in Solvent Extraction Systems Combining TBP and HDBP. Solvent Extraction and Ion Exchange, 2013, 31, 617-633.	2.0	18
30	Determination of Activity Coefficients of di-(2-ethylhexyl) Phosphoric Acid Dimer in Select Organic Solvents Using Vapor Phase Osmometry. Solvent Extraction and Ion Exchange, 2013, 31, 550-563.	2.0	4
31	Activity Coefficients of di-(2-ethylhexyl) Phosphoric Acid in Select Diluents. Procedia Chemistry, 2012, 7, 209-214.	0.7	5
32	A Comparison of Low and High LET (Linear Energy Transfer) Induced Radiolysis of Solvent Extraction Processes. Procedia Chemistry, 2012, 7, 334-340.	0.7	9
33	Studies of high linear energy transfer dosimetry by 10B(n,α)7Li reactions in aqueous and organic solvents. Journal of Radioanalytical and Nuclear Chemistry, 2012, 292, 719-727.	1.5	8
34	Standard and advanced separation: PUREX processes for nuclear fuel reprocessing. , 2011, , 141-175.		67
35	Trans‣anthanide Extraction Studies in the TALSPEAK System: Investigating the Effect of Acidity and Temperature. Solvent Extraction and Ion Exchange, 2009, 27, 354-377.	2.0	64
36	Review Article: A Review of the Development and Operational Characteristics of the TALSPEAK Process. Solvent Extraction and Ion Exchange, 2007, 25, 665-701.	2.0	301