

# Mikael Nilsson

## List of Publications by Year in descending order

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36  
papers

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citations

759055

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552653

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docs citations

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times ranked

813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunity of nanoscale magnetic tunnel junctions with perpendicular magnetic anisotropy to ionizing radiation. <i>Scientific Reports</i> , 2020, 10, 10220.	1.6	19
2	Synergism and Aggregation in Multi-Extractant Solvent Extraction Systems. <i>Solvent Extraction and Ion Exchange</i> , 2019, 37, 269-283.	0.8	5
3	Determining Stability Constants Using the AKUFVE Technique. <i>Solvent Extraction and Ion Exchange</i> , 2019, 37, 213-225.	0.8	4
4	Radiolytic Degradation of Uranyl-Loaded Tributyl Phosphate by High and Low LET Radiation. <i>Solvent Extraction and Ion Exchange</i> , 2019, 37, 38-52.	0.8	8
5	Complexation of High-Valency Mid-Actinides by a Lipophilic Schiff Base Ligand: Synthesis, Structural Characterization, and Progress toward Selective Extraction. <i>Inorganic Chemistry</i> , 2019, 58, 3559-3563.	1.9	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. <i>Journal of Physical Chemistry B</i> , 2019, 123, 655-665.	1.2	3
7	Combinations of NIR, Raman spectroscopy and physicochemical measurements for improved monitoring of solvent extraction processes using hierarchical multivariate analysis models. <i>Analytica Chimica Acta</i> , 2018, 1006, 10-21.	2.6	13
8	Quantum-dot doped polymeric scintillation material for radiation detection. <i>Radiation Measurements</i> , 2018, 111, 27-34.	0.7	14
9	Coordination chemistry of lanthanides in a AOT/CMPO solvent extraction system: UV-Vis and XAFS studies. <i>Dalton Transactions</i> , 2018, 47, 15424-15438.	1.6	5
10	Molecular Dynamics Investigations of Dibutyl-phosphoric Acid Parameterization and Dimerization. <i>Journal of Physical Chemistry B</i> , 2018, 122, 12040-12048.	1.2	2
11	Accuracy, Repeatability, and Limitations for Determination of Chemical Activities from Vapor Pressure Osmometry. <i>Analytical Chemistry</i> , 2018, 90, 12761-12767.	3.2	1
12	Comparative study using ion exchange resins to separate and reduce NORM from oil and gas flowback wastewater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 318, 497-503.	0.7	3
13	Determinations of Dipole Moments for Liquid-Liquid Extraction Reagents. <i>Journal of Solution Chemistry</i> , 2018, 47, 1214-1223.	0.6	1
14	Rate theory on water exchange in aqueous uranyl ion. <i>Chemical Physics Letters</i> , 2017, 671, 58-62.	1.2	7
15	Structural study of complexes formed by acidic and neutral organophosphorus reagents. <i>Dalton Transactions</i> , 2017, 46, 1194-1206.	1.6	26
16	Quantifying Dimer and Trimer Formation of Tri- <i>n</i> -butyl Phosphates in Different Alkane Diluents: FTIR Study. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6976-6984.	1.2	8
17	Water-soluble Schiff base-actinyl complexes and their effect on the solvent extraction of f-elements. <i>Dalton Transactions</i> , 2016, 45, 15415-15426.	1.6	9
18	Quantifying Dimer and Trimer Formation by Tri- <i>n</i> -butyl Phosphates in <i>n</i> -Dodecane: Molecular Dynamics Simulations. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6985-6994.	1.2	15

#	ARTICLE	IF	CITATIONS
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.	1.2	38
21	Production of high specific activity radiolanthanides for medical purposes using the UC Irvine TRIGA reactor. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1099-1103.	0.7	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.	0.8	4
23	Fluorescence studies of metal complexes in synergistic extraction systems combining dibutyl phosphoric acid and tri- <i>n</i> -butyl phosphate. Journal of Radioanalytical and Nuclear Chemistry, 2015, 303, 1105-1109.	0.7	1
24	Radiolysis of Tributyl Phosphate by Particles of High Linear Energy Transfer. Solvent Extraction and Ion Exchange, 2014, 32, 584-600.	0.8	12
25	Challenging conventional f-element separation chemistry â€“ reversing uranyl( <i>VI</i> )/lanthanide( <i>III</i> ) solvent extraction selectivity. Chemical Communications, 2014, 50, 8670.	2.2	13
26	The Radiation Chemistry of CMPO: Part 2. Alpha Radiolysis. Solvent Extraction and Ion Exchange, 2014, 32, 167-178.	0.8	19
27	Development of a method for high LET irradiation of liquid systems. Journal of Radioanalytical and Nuclear Chemistry, 2013, 298, 1401-1409.	0.7	8
28	A SAXS Study of Aggregation in the Synergistic TBPâ€“HDBP Solvent Extraction System. Journal of Physical Chemistry B, 2013, 117, 5916-5924.	1.2	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.	0.8	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.	0.8	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 $^{10}\text{B}(n,\alpha)^7\text{Li}$ reactions in aqueous and organic solvents. Journal of Radioanalytical and Nuclear Chemistry, 2012, 292, 719-727.	0.7	8
34	Standard and advanced separation: PUREX processes for nuclear fuel reprocessing. , 2011, , 141-175.		67
35	Transâ€“Lanthanide Extraction Studies in the TALSPEAK System: Investigating the Effect of Acidity and Temperature. Solvent Extraction and Ion Exchange, 2009, 27, 354-377.	0.8	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.	0.8	301