

# Jerzy Narbutt

## List of Publications by Year in descending order

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19  
papers

343  
citations

933447

10  
h-index

888059

17  
g-index

19  
all docs

19  
docs citations

19  
times ranked

379  
citing authors

#	ARTICLE	IF	CITATIONS
1	The selectivity of diglycolamide (TODGA) and bis-triazine-bipyridine (BTBP) ligands in actinide/lanthanide complexation and solvent extraction separation – a theoretical approach. Dalton Transactions, 2015, 44, 2657-2666.	3.3	91
2	Selectivity of bis-triazinyl bipyridine ligands for americium(III) in Am/Eu separation by solvent extraction. Part 1. Quantum mechanical study on the structures of BTBP complexes and on the energy of the separation. Dalton Transactions, 2012, 41, 14416.	3.3	64
3	SACSESS – the EURATOM FP7 project on actinide separation from spent nuclear fuels. Nukleonika, 2015, 60, 809-814.	0.8	22
4	High coordination numbers of metal ions in chelate complexes: molecular adducts of scandium tris- $\beta$ -diketonates in solution. Inorganica Chimica Acta, 1999, 286, 175-180.	2.4	20
5	Liquid-liquid partition and hydration of cobalt(III) acetylacetonate and cobalt(III) monothioacetylacetonate. The Journal of Physical Chemistry, 1991, 95, 3432-3435.	2.9	17
6	Neutral bidentate <i>N</i> -heterocyclic ligands – phase transfer reagents improving the kinetics of solvent extraction of Am(III) and Eu(III) ions with tetradentate 6,6'-bis-(diethyl-1,2,4-triazin-3-yl)-2,2'-bipyridine. Radiochimica Acta, 2008, 96, 219-223.	1.2	17
7	Evaluation of the Hydrophilic Complexant <i>N,N,N,N</i> -tetraethyl diglycolamide (TEDGA) and its Methyl-substituted Analogues in the Selective Am(III) Separation. Solvent Extraction and Ion Exchange, 2019, 37, 297-312.	2.0	17
8	Crystal structure of lead(II) acetylacetonate and the structure of the acetylacetonate solvated lead(II) ion in solution studied by large-angle X-ray scattering. Dalton Transactions, 2006, , 3972.	3.3	14
9	On the stoichiometry and stability of americium(III) complexes with a hydrophilic SO <sub>3</sub> -Ph-BTP ligand, studied by liquid-liquid extraction. Journal of Radioanalytical and Nuclear Chemistry, 2016, 309, 891-897.	1.5	13
10	On the conformation of the actinide-selective hydrophilic SO <sub>3</sub> -Ph-BTP ligand in aqueous solution. A computational study. Journal of Molecular Liquids, 2016, 219, 224-231.	4.9	12
11	Do An(III) and Ln(III) ions form heteroleptic complexes with diglycolamide and hydrophilic BT(B)P ligands in solvent extraction systems? A spectroscopic and DFT study. New Journal of Chemistry, 2019, 43, 6314-6322.	2.8	12
12	Seven-Coordinate d <sup>0</sup> and d <sup>10</sup> Ions – Computational and Experimental Studies on Tris(tropolonato)metal(III)-TOPO Adducts. European Journal of Inorganic Chemistry, 2001, 2001, 3187-3197.	2.0	10
13	HYDRATION AND SOLVATION OF LEAD(II) ACETYLACETONATE AND THE COORDINATION NUMBER OF LEAD(II). Solvent Extraction and Ion Exchange, 1999, 17, 1271-1280.	2.0	9
14	Proton nuclear magnetic resonance and infra-red studies of the outer-sphere hydration of pentane-2,4-dionato metal complexes in benzene solution. Journal of Solution Chemistry, 1991, 20, 1227-1235.	1.2	6
15	Fundamentals of Solvent Extraction of Metal Ions. , 2020, , 121-155.		6
16	Determination of formation constants of uranyl(VI) complexes with a hydrophilic SO <sub>3</sub> -Ph-BTP ligand, using liquid-liquid extraction. Nukleonika, 2015, 60, 821-827.	0.8	4
17	Solvent Extraction for Nuclear Power. , 2020, , 725-744.		4
18	Outer-Sphere Hydration and Liquid-Liquid Partition of Metal(III) Chelates ? Density Functional Calculations. European Journal of Inorganic Chemistry, 2005, 2005, 555-562.	2.0	3

#	ARTICLE	IF	CITATIONS
19	Solvent Extraction Investigations on Pu(IV) and Th(IV) Complexes with Hydrophilic SO <sub>3</sub> -Ph-BTP and SO <sub>3</sub> -Ph-BTBP Ligands. Solvent Extraction and Ion Exchange, 2019, 37, 259-268.	2.0	2