

B Sreenivasulu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Experimental and theoretical studies on solvent extraction of uranium(VI) with hexapropyl and hexabutyl phosphoramidate extractants. <i>Solvent Extraction and Ion Exchange</i> , 2022, 40, 312-332.	2.0	4
2	Highly efficient functionalized MOF-LIC-1 for extraction of U(VI) and Th(IV) from aqueous solution: experimental and theoretical studies. <i>Dalton Transactions</i> , 2022, 51, 3557-3571.	3.3	12
3	Oxidation and dissolution behavior of UZr alloys for aqueous reprocessing applications. <i>Progress in Nuclear Energy</i> , 2022, 144, 104087.	2.9	1
4	Thermophysical properties of hexapropyl and hexabutyl phosphoramidates in n-dodecane. <i>Results in Chemistry</i> , 2022, 4, 100346.	2.0	1
5	ZIF-90: PSM Assisted Acid Resistance, Accelerated Sequestration and Selective Sensing of Actinides. <i>Surfaces and Interfaces</i> , 2022, 32, 102095.	3.0	5
6	Achieving tunable luminescence in rare earth free IRMOF-3 through post synthetic modifications by judicious choice of organic linker. <i>Optical Materials</i> , 2022, 131, 112660.	3.6	3
7	Demonstration of Aqueous Reprocessing of U-Zr and U-Pu-Zr Metallic Alloy Fuels Using an Ejector Mixer-settler with Tri-n-Butyl Phosphate (TBP) as the Extractant. <i>Solvent Extraction and Ion Exchange</i> , 2021, 39, 271-289.	2.0	3
8	Post synthetically modified IRMOF-3 for efficient recovery and selective sensing of U(VI) from aqueous medium. <i>RSC Advances</i> , 2021, 11, 28126-28137.	3.6	18
9	Exploring long-chain hexaalkyl phosphoramidates for actinide extraction: A combined experimental and theoretical investigation. <i>Inorganica Chimica Acta</i> , 2021, 525, 120496.	2.4	8
10	Mixer-settler runs with tri-iso-amyl phosphate and tri-n-butyl phosphate for the aqueous reprocessing of U -- Zr alloy fuels. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2021, 330, 1207.	1.5	1
11	Assorted functionality-appended UiO-66-NH ₂ for highly efficient uranium(VI) sorption at acidic/neutral/basic pH. <i>RSC Advances</i> , 2020, 10, 14650-14661.	3.6	34
12	Physicochemical properties and radiolytic degradation studies on tri-iso-amyl phosphate (TiAP). <i>Radiochimica Acta</i> , 2017, 105, 249-261.	1.2	20
13	Thermal decomposition behaviour of irradiated tri n -butyl phosphate and mixture of di and mono n -butyl phosphate-nitric acid systems. <i>Thermochimica Acta</i> , 2017, 657, 1-11.	2.7	5
14	Dissolution and characterisation studies on U -- Zr and U -- Pu -- Zr alloys in nitric acid medium. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2017, 311, 789-800.	1.5	15
15	Studies Related to the Processing of U -- Zr and U -- Pu -- Zr Metallic Fuels Using Tri-iso-amyl Phosphate (TiAP) as Extractant. <i>Solvent Extraction and Ion Exchange</i> , 2016, 34, 422-438.	2.0	10
16	Effect of gamma irradiation on thermal decomposition of tri-iso-amyl phosphate -- nitric acid biphasic systems. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 125, 483-495.	3.6	6
17	Complexation Behavior of the Tri- <i>n</i> -butyl Phosphate Ligand with Pu(IV) and Zr(IV): A Computational Study. <i>Journal of Physical Chemistry A</i> , 2016, 120, 4201-4210.	2.5	39
18	Solvent extraction studies with some fission product elements from nitric acid media employing tri-iso-amyl phosphate and tri-n-butyl phosphate as extractants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2015, 303, 2165.	1.5	16

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19	Mixer-settler runs for the evaluation of tri- <i>i>iso</i>-amyl phosphate (TiAP) as an alternate extractant to tri-<i>i>n</i>-butyl phosphate (TBP) for reprocessing applications. Radiochimica Acta, 2015, 103, 101-108.</i></i>	1.2	20
20	Separation of U(VI) and Pu(IV) from Am(III) and Trivalent Lanthanides with Tri-iso-amyl Phosphate (TiAP) as the Extractant by Using an Ejector Mixer-Settler. Solvent Extraction and Ion Exchange, 2015, 33, 120-133.	2.0	18
21	Empirical equations for the prediction of third phase formation limits in the extraction of thorium nitrate by tri-iso-amyl phosphate (TiAP). Journal of Radioanalytical and Nuclear Chemistry, 2015, 306, 489-495.	1.5	4
22	A Facile Synthesis of 3,7-Diphenyl-4,6-Distyryl-2,8-Dioxo-2H,8H-Benzo[1,2-b:5,4- β €²]dipyrens and Their Antifeedant Activity. Synthetic Communications, 1997, 27, 2281-2287.	2.1	5
23	A Facile Synthesis of 3,7-Disubstituted-4,8-dimethyl-2,6-dioxo-2H,6H-benzo[1,2-b:3,4- β €²]dipyrens and Their Antifeedant Activity. Synthetic Communications, 1996, 26, 3373-3381.	2.1	6
24	Search for physiologically active compounds. Proceedings of the Indian Academy of Sciences - Section A, 1974, 80, 273-277.	0.2	6
25	Search for physiologically active compounds. Proceedings of the Indian Academy of Sciences - Section A, 1974, 79, 41-47.	0.2	16