Prasanta K Mohapatra

List of Publications by Year
in descending order

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406	8,507	57758 44	98798 67
papers	citations	h-index	g-index

411	411	411	3083
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Liquidâ€“Liquid Extraction of Actinides from Nitric Acid Feeds Using Two Hexa-n-alkylnitrilotriacetamides. Solvent Extraction and Ion Exchange, 2022, 40, 366-386.	2.0	7
2	Sequestration of Am3+ and Eu3+ into ionic liquid containing Aza-macrocycle based multiple-diglycolamide ligands: Extraction, complexation, luminescence and DFT studies. Journal of Molecular Liquids, 2022, 347, 118291.	4.9	7
3	Isolation of single crystals of a homoleptic UO₂²⁺-diglycolamide complex from a room temperature ionic liquid: X-ray crystallography and complexation studies. New Journal of Chemistry, 2022, 46, 950-954.	2.8	5
4	Highly efficient Plutonium(IV) uptake from acidic feeds using four extraction chromatography resins containing diglycolamides and ionic liquid. Journal of Chromatography A, 2022, 1665, 462816.	3.7	0
5	Unique transport behaviour of Am(III)/Eu(III) ions across a supported liquid membrane containing a TREN-based diglycolamide dendrimer ligand. Radiochimica Acta, 2022, 110, 229-237.	1.2	2
6	Highly efficient uptake of Europium (III) and Americium (III) from acidic feeds using extraction chromatography resins containing N,N,Nâ€™,Nâ€™-tetra alkyl diglycolamides with varying alkyl chain length in an ionic liquid. Journal of Chromatography A, 2022, 1669, 462928.	3.7	6
7	Complexation thermodynamics of UO22+/diglycolamide complex in a room temperature ionic liquid: A study by optical spectroscopy and microcalorimetry. Polyhedron, 2022, 220, 115820.	2.2	0
8	Fate of Neptunium in nuclear fuel cycle streams: state-of-the art on separation strategies. Radiochimica Acta, 2022, .	1.2	6
9	Liquidâ€“Liquid Extraction and Supported Liquid Membrane Transport of Neptunium(IV) Across a Flat-Sheet Supported Liquid Membrane Containing a TREN-DGA Derivative. Solvent Extraction and Ion Exchange, 2022, 40, 693-717.	2.0	6
10	Highly efficient actinide(III)/lanthanide(III) separation by novel pillar[5]arene-based picolinamide ligands: A study on synthesis, solvent extraction and complexation. Journal of Hazardous Materials, 2021, 405, 124214.	12.4	21
11	Bis-(1,2,4-triazin-3-yl) ligand structure driven selectivity reversal between Am³⁺ and Cm³⁺: solvent extraction and DFT studies. Dalton Transactions, 2021, 50, 7783-7790.	3.3	6
12	Role of diluent in the unusual extraction of Am³⁺ and Eu³⁺ ions with benzene-centered tripodal diglycolamides: local structure studies using luminescence spectroscopy and XAS. New Journal of Chemistry, 2021, 45, 16794-16803.	2.8	2
13	Highly efficient diglycolamide-functionalized dendrimers for the sequestration of tetravalent actinides: solvent extraction and theoretical studies. New Journal of Chemistry, 2021, 45, 9462-9471.	2.8	6
14	Sequestration of tetravalent neptunium from acidic feeds using diglycolamide-functionalized dendrimers in a room temperature ionic liquid: extraction, spectroscopic and electrochemical studies. New Journal of Chemistry, 2021, 45, 17951-17959.	2.8	5
15	Actinide ion uptake from acidic radioactive feeds using an extraction chromatographic resin containing a branched dialkyl amide. Journal of Chromatography A, 2021, 1635, 461728.	3.7	8
16	Highly Efficient Europium(III) Uptake with an Extraction Chromatographic Resin Containing a Unique Multiple Diglycolamide Ligand with a Tetraaza-12-crown-4 Scaffold. Industrial & Engineering Chemistry Research, 2021, 60, 2613-2624.	3.7	13
17	Comparative uptake studies on trivalent f-cations from acidic feeds using two extraction chromatography resins containing a diglycolamide in molecular diluent and ionic liquid. Journal of Chromatography A, 2021, 1641, 461999.	3.7	6
18	Ruthenium recovery from alkaline radioactive feeds using an extraction chromatography resin containing Aliquat 336. Separation and Purification Technology, 2021, 259, 118099.	7.9	4

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19	Neptunium â€“ Tri-n-butyl phosphate complexes in room temperature ionic liquids: Extraction and spectroelectrochemical studies. Journal of Molecular Liquids, 2021, 325, 115144.	4.9	8
20	Europium(III) permeation through a flat sheet supported liquid membrane containing CMPO with iso-decanol phase modifier: Experimental and modeling studies. Chemical Engineering Research and Design, 2021, 168, 307-316.	5.6	6
21	Selective permeation of 90Y from a mixture of 90Y/90Sr through diglycolamide impregnated supported liquid membranes. Applied Radiation and Isotopes, 2021, 170, 109604.	1.5	3
22	Highly efficient uptake of neptunium from acidic feeds using two solid phase extraction resins containing diglycolamide-functionalized calix[4]arene ligands. Journal of Chromatography A, 2021, 1642, 462037.	3.7	7
23	Carrier mediated transport of actinides using hexaâ€“n-hexylnitrilotriacetamide (HHNTA). Chemical Engineering and Processing: Process Intensification, 2021, 161, 108323.	3.6	4
24	Ligand Structure and Topology Effects in Complexation Selectivity of Am³⁺ and Eu³⁺ with â€²Oâ€², â€²Nâ€² and â€²Sâ€² Heterocyclic Diamides: A DFT Study. ChemistrySelect, 2021, 6, 4651-4660.	1.5	2
25	First Report on the Complexation of Uranyl Ion with Two Diglycolamide Ligands in a Room Temperature Ionic Liquid: Optical Spectroscopy and Calorimetric Studies. ChemistrySelect, 2021, 6, 6037-6042.	1.5	1
26	In Situ Preconcentration during the Di-(2-ethylhexyl) Phosphoric Acid-Assisted Dissolution of Uranium Trioxide in an Ionic Liquid: Spectroscopic, Electrochemical, and Theoretical Studies. Inorganic Chemistry, 2021, 60, 10147-10157.	4.0	9
27	Highly efficient and selective extraction of Pu(IV) using two alkyl-substituted amides of nitrilo triacetic acid from nitric acid solutions. Separation and Purification Technology, 2021, 279, 119584.	7.9	7
28	Selective uptake of thorium(IV) from nitric acid medium using two extraction chromatographic resins based on diglycolamide-calix[4]arenes: Application to thorium-uranyl separation in an actual sample. Journal of Chromatography A, 2021, 1653, 462401.	3.7	13
29	Highly efficient plutonium scavenging by an extraction chromatography resin containing a tetraaza-12-crown-4 ligand tethered with four diglycolamide pendent arms. Journal of Chromatography A, 2021, 1653, 462419.	3.7	6
30	Hollow fibre supported liquid membranes for nuclear fuel cycle applications: A review. Cleaner Engineering and Technology, 2021, 4, 100138.	4.0	4
31	Highly efficient uptake of tetravalent actinide ions from nitric acid feeds using an extraction chromatography material containing tetra-n-butyl diglycolamide and a room temperature ionic liquid. Journal of Chromatography A, 2021, 1655, 462501.	3.7	4
32	Aqueous soluble â€¯Nâ€² donor heterocyclic ligands for the mutual separation of Am3+ and Eu3+: Solvent extraction, flatÂsheet supported liquid membrane and hollow fiber microextraction studies. Journal of Environmental Chemical Engineering, 2021, 9, 106041.	6.7	8
33	Ruthenium speciation in radioactive wastes and state-of-the-art strategies for its recovery: A review. Separation and Purification Technology, 2021, 275, 119148.	7.9	18
34	Extraction of tetra- and hexavalent actinide ions from nitric acid solutions using some diglycolamide functionalized calix[4]arenes. Radiochimica Acta, 2021, 109, 167-176.	1.2	4
35	Solvent extraction systems for mutual separation of Am(III) and Cm(III) from nitric acid solutions. A review of recent state-of-the-art. Solvent Extraction and Ion Exchange, 2021, 39, 679-713.	2.0	44
36	Understanding the unique paradigm in the extraction of tri- and tetravalent actinide/lanthanide ions by a diglycolamide-functionalized dendrimer in RTIL medium. New Journal of Chemistry, 2021, 45, 22044-22048.	2.8	3

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37	Comparative evaluation of extraction of tetra- and hexa-valent neptunium ions by CMPO in a room temperature ionic liquid. Separation Science and Technology, 2020, 55, 2560-2569.	2.5	5
38	Pertraction of U(VI) through liquid membranes using monoamides as carrier ligands: experimental and theoretical studies. Journal of Radioanalytical and Nuclear Chemistry, 2020, 323, 983-991.	1.5	8
39	Pertraction of Np(IV) and Pu(IV) across a flat sheet supported liquid membrane containing two N-pivoted tripodal diglycolamides. Separation and Purification Technology, 2020, 238, 116418.	7.9	13
40	Highly efficient separation of thorium from uranium in nitric acid feeds by solid phase extraction using Aliquat 336. Separation and Purification Technology, 2020, 237, 116318.	7.9	19
41	Radiation stability of ceramic tubular membranes containing ammonium molybdophosphate (AMP)Âfor the application of radio-cesium recovery from radioactive wastes. Journal of Radioanalytical and Nuclear Chemistry, 2020, 326, 1631-1638.	1.5	2
42	Americium pertraction across supported liquid membranes containing multiple diglycolamide ligands: Role of alkyl substitution and spacer length in carrier ligands. Chemical Engineering Research and Design, 2020, 159, 170-178.	5.6	7
43	Extraction of Np4+ and Pu4+ from nitric acid feeds using three types of tripodal diglycolamide ligands. Separation and Purification Technology, 2020, 247, 116986.	7.9	13
44	Development of polyvinyl chloride (PVC)-based highly efficient potentiometric sensors containing two benzene-centered tripodal diglycolamides as ionophores. Sensors and Actuators B: Chemical, 2020, 320, 127961.	7.8	9
45	Combined Experimental and Density Functional Theoretical Studies of Am³⁺ and Eu³⁺ Extraction and Complexation with Different Nitrilotriacetamide (NTA) Derivatives. ChemistrySelect, 2020, 5, 3374-3384.	1.5	14
46	Extraction of Some Actinide Ions from Nitric Acid Feeds Using N, N-di-n-hexyloctanamide (DHOA) in an Ionic Liquid. Journal of Solution Chemistry, 2020, 49, 763-776.	1.2	4
47	Highly Efficient Extraction of Trivalent f -Cations Using Several N -Pivot Tripodal Diglycolamide Ligands in an Ionic Liquid: The Role of Ligand Structure on Metal Ion Complexation. European Journal of Inorganic Chemistry, 2020, 2020, 191-199.	2.0	6
48	Selective Separation of Neptunium from an Acidic Feed Containing a Mixture of Actinides Using Dialkylamides. Solvent Extraction and Ion Exchange, 2020, 38, 290-303.	2.0	9
49	Highly efficient separation of ruthenium from alkaline radioactive feeds using an anion exchange resin. Radiochimica Acta, 2020, 108, 603-613.	1.2	7
50	Luminescence spectroscopic investigations of europium complexes formed in the kaolinite-humic acid/citric acid systems. Radiochimica Acta, 2020, 108, 859-871.	1.2	1
51	Experimental measurements and correlation of the solubility of N,N-dialkylamides in supercritical carbon dioxide. Journal of Supercritical Fluids, 2019, 143, 162-170.	3.2	20
52	Complexation of 2-thenoyltrifluoroacetone (HTTA) with trivalent f-cations in an ionic liquid: solvent extraction and spectroscopy studies. New Journal of Chemistry, 2019, 43, 13675-13680.	2.8	12
53	Evaluation of three novel benzene-centered tripodal diglycolamide ligands for the pertraction of americium(III) through flat sheet membranes for nuclear waste remediation applications. Separation and Purification Technology, 2019, 229, 115846.	7.9	9
54	Remarkable Enhancement in Extraction of Trivalent f-Block Elements Using a Macrocyclic Ligand with Four Diglycolamide Arms: Synthesis, Extraction, and Spectroscopic and Density Functional Theory Studies. Inorganic Chemistry, 2019, 58, 14885-14899.	4.0	24

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55	Selective pertraction of plutonium(IV) from acidic feeds across PTFE flat sheets containing diamides with a tri-aryl-pyridine (TAP) Centre. Journal of Environmental Chemical Engineering, 2019, 7, 102929.	6.7	3
56	Highly Efficient N-Pivot Tripodal Diglycolamide Ligands for Trivalent f-Cations: Synthesis, Extraction, Spectroscopy, and Density Functional Theory Studies. Inorganic Chemistry, 2019, 58, 8633-8644.	4.0	20
57	Understanding the recovery of Ruthenium from acidic feeds by oxidative solvent extraction studies. Radiochimica Acta, 2019, 107, 423-429.	1.2	5
58	Novel diamide ligands with a central carbonyl group and their comparative evaluation with the diglycolamide ligand: synthesis, extraction, DFT and chromatographic studies. Radiochimica Acta, 2019, 107, 1133-1144.	1.2	5
59	Highly efficient separation of Am³⁺ and Eu³⁺ using an aqueous soluble sulfonated BTP derivative by hollow-fiber supported liquid membrane containing TODGA. Separation Science and Technology, 2019, 54, 1512-1520.	2.5	14
60	Extraction of 137Cs from Acidic Feed by Centrifugal Contactors Using a Solution of Calix[4]arene-bis-1,2-benzo-crown-6 in Phenyltrifluoromethyl Sulphone. Nuclear Technology, 2019, 205, 1119-1125.	1.2	2
61	Separation of trivalent actinides and lanthanides using various â€˜Nâ€™, â€˜Sâ€™ and mixed â€˜N,Oâ€™ donor ligands: a review. Radiochimica Acta, 2019, 107, 931-949.	1.2	91
62	Eu(III) sorption onto various montmorillonites: Experiments and modeling. Applied Clay Science, 2019, 175, 22-29.	5.2	22
63	Two novel extraction chromatographic resins containing benzene-centered tripodal diglycolamide ligands: Actinide uptake, kinetic modeling and isotherm studies. Journal of Chromatography A, 2019, 1598, 58-66.	3.7	3
64	Complexation of CMPO with trivalent f-cations in ionic liquid medium: Solvent extraction, spectroscopic, EXAFS and DFT studies. Polyhedron, 2019, 162, 71-80.	2.2	9
65	Extraction of plutonium(IV) from acidic feeds using several diamides with a tri-phenyl pyridine centre. Journal of Radioanalytical and Nuclear Chemistry, 2019, 320, 245-253.	1.5	3
66	Effect of irradiation on the hydrodynamic parameters and extraction efficiency of several frequently used ionic liquids. Radiation Physics and Chemistry, 2019, 158, 180-187.	2.8	10
67	Unfolding the complexation and extraction of Am³⁺ and Eu³⁺ using N-heterocyclic aromatic diphosphonic acids: a combined experimental and DFT study. Dalton Transactions, 2019, 48, 16279-16288.	3.3	7
68	Evaluation of two aza-crown ether-based multiple diglycolamide-containing ligands for complexation with the tetravalent actinide ions Np⁴⁺ and Pu⁴⁺: extraction and DFT studies. RSC Advances, 2019, 9, 31928-31935.	3.6	19
69	Pertraction of americium(III) through supported liquid membranes containing benzene-centered tripodal diglycolamides (Bz-T-DGA) as an extractant/carrier. Chemical Engineering Research and Design, 2019, 141, 84-92.	5.6	5
70	Separation of neptunium from actinides by monoamides: a solvent extraction study. Radiochimica Acta, 2019, 107, 369-376.	1.2	12
71	Role of TBP on the extraction of trivalent f-cations with CMPO dissolved in a room temperature ionic liquid. Separation Science and Technology, 2019, 54, 1443-1452.	2.5	5
72	Demonstration of Hollow Fiber Membrane Technique for the Recovery of Plutonium from Analytical Laboratory Waste. Nuclear Technology, 2019, 205, 727-735.	1.2	5

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73	Structural investigations on uranium(<scp>vi</scp>) and thorium(<scp>iv</scp>) complexation with TBP and DHOA: a spectroscopic study. New Journal of Chemistry, 2018, 42, 5243-5255.	2.8	23
74	Np(V) uptake by various clays. Applied Geochemistry, 2018, 92, 1-8.	3.0	9
75	First Report on the Separation of Trivalent Lanthanides from Trivalent Actinides Using an Aqueous Soluble Multiple N-Donor Ligand, 2,6-bis(1H-tetrazol-5-yl)pyridine: Extraction, Spectroscopic, Structural, and Computational Studies. Inorganic Chemistry, 2018, 57, 5096-5107.	4.0	17
76	Extraction of $$ {ext{Np}}^{4+} $$ Np 4 + and $$ {ext{NpO}}_{2}^{2+} $$ NpO 2 2 + from Nitric Acid Medium Using TODGA in Room Temperature Ionic Liquids. Journal of Solution Chemistry, 2018, 47, 1326-1338.	1.2	12
77	Liquid-liquid extraction and facilitated transport of f -elements using an N-pivot tripodal ligand. Journal of Hazardous Materials, 2018, 347, 478-485.	12.4	23
78	Development of a potentiometric sensor for europium(III) based on N, N, Nâ€², Nâ€²-tetraoctyldiglycolamide (TODGA) as the ionophore. Journal of Electroanalytical Chemistry, 2018, 808, 340-347.	3.8	12
79	Extraction of actinide ions using three CMPO-functionalized pillar[5]arenes in a room temperature ionic liquid. Separation and Purification Technology, 2018, 195, 224-231.	7.9	14
80	Complexation thermodynamics of tetraalkyl diglycolamides with trivalent f-elements in ionic liquids: spectroscopic, microcalorimetric and computational studies. New Journal of Chemistry, 2018, 42, 708-716.	2.8	13
81	Special Issue on Progress Using Ionic Liquids in Liquid-Liquid Extraction. Solvent Extraction and Ion Exchange, 2018, 36, 517-518.	2.0	1
82	Unusual Reversal in Pu and U Extraction in an Ionic Liquid Using Two Tripodal Diglycolamide Ligands: Experimental and DFT Studies. Solvent Extraction and Ion Exchange, 2018, 36, 542-557.	2.0	6
83	A diglycolamide-functionalized TREN-based dendrimer with a â€˜crab-likeâ€™ grip for the complexation of actinides and lanthanides. Dalton Transactions, 2018, 47, 15164-15172.	3.3	14
84	First Report on the Complexation of Actinides and Lanthanides Using 2,2â€²,2â€²â€²-(((1,4,7-Triazonane-1,4,7-triyl)tris(2-oxoethane-2,1-diyl)) tris(oxy)) tris(N,N-dioctylacetamide): Synthesis, Extraction, Luminescence, EXAFS, and DFT Studies. Inorganic Chemistry, 2018, 57, 12987-12998.	4.0	23
85	Cs+ sorption onto Kutch clays: Influence of competing ions. Applied Clay Science, 2018, 166, 88-93.	5.2	28
86	Highly Efficient Extraction Chromatography Resins Containing Dendrimers with DGA Groups in Ionic Liquid for Actinide Uptake. Industrial & Engineering Chemistry Research, 2018, 57, 13226-13234.	3.7	5
87	Effect of an alkyl substituent and spacer length in benzene-centered tripodal diglycolamides on the sequestration of minor actinides. Dalton Transactions, 2018, 47, 13631-13640.	3.3	9
88	An efficient method for radio-ruthenium separation from acidic feeds: Extraction, transport and spectroscopic studies. Journal of Environmental Chemical Engineering, 2018, 6, 5830-5836.	6.7	9
89	Evaluation of a novel PVC-based efficient potentiometric sensor containing a tripodal diglycolamide (TREN-DGA) ionophore for europium(III) estimation. Sensors and Actuators B: Chemical, 2018, 272, 534-542.	7.8	10
90	Complexation of Actinides with Phosphine Oxide Functionalized Pillar[5]arenes: Extraction and Spectroscopic Studies. European Journal of Inorganic Chemistry, 2018, 2018, 4022-4030.	2.0	8

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91	Separation of neptunium (IV) from actinides by solid phase extraction using a resin containing Aliquat 336. Journal of Chromatography A, 2018, 1564, 94-101.	3.7	21
92	Actinide ion extraction using room temperature ionic liquids: opportunities and challenges for nuclear fuel cycle applications. Dalton Transactions, 2017, 46, 1730-1747.	3.3	123
93	Extraction behaviour of dioxouranium(VI) cation by two phosphorous-based liquid cation-exchangers in room-temperature ionic liquids. Separation Science and Technology, 2017, 52, 2328-2337.	2.5	5
94	Solubility of tri-iso-amyl phosphate in supercritical carbon dioxide and its application to selective extraction of uranium. Separation Science and Technology, 2017, 52, 2224-2237.	2.5	15
95	Extraction of Eu(III) and Am(III) by 1-phenyl-3-methyl-4-acetylpyrazol-5-one (HPMAP) and tri-n-octylphosphine oxide (TOPO) in a room-temperature ionic liquid. Separation Science and Technology, 2017, 52, 2318-2327.	2.5	9
96	Unusual selective extraction of Pu 4+ by some novel diamide ligands in a room temperature ionic liquid. Separation and Purification Technology, 2017, 181, 69-75.	7.9	15
97	Glycolamide-functionalized ionic liquid: Synthesis and actinide ion extraction studies. Separation Science and Technology, 2017, 52, 1430-1440.	2.5	10
98	Insight into the Complexation of Actinides and Lanthanides with Diglycolamide Derivatives: Experimental and Density Functional Theoretical Studies. Journal of Physical Chemistry B, 2017, 121, 2640-2649.	2.6	23
99	Complexation of tetraalkyl diglycolamides with trivalent f-cations in a room temperature ionic liquid: extraction and spectroscopic investigations. Dalton Transactions, 2017, 46, 7584-7593.	3.3	18
100	Separation Science and Technology in India. Radiochimica Acta, 2017, 105, 263-263.	1.2	0
101	Evaluation of several novel diamide based ligands for selective extraction of tetravalent plutonium. Radiochimica Acta, 2017, 105, 303-310.	1.2	5
102	Extraction of plutonium(IV) by diglycolamide extractants in room temperature ionic liquids. Radiochimica Acta, 2017, 105, 285-293.	1.2	10
103	A review on solid phase extraction of actinides and lanthanides with amide based extractants. Journal of Chromatography A, 2017, 1499, 1-20.	3.7	125
104	Np(V) uptake by bentonite clay: Effect of accessory Fe oxides/hydroxides on sorption and speciation. Applied Geochemistry, 2017, 78, 74-82.	3.0	10
105	Benzene-centered tripodal diglycolamides: synthesis, metal ion extraction, luminescence spectroscopy, and DFT studies. Dalton Transactions, 2017, 46, 1431-1438.	3.3	53
106	Studies on neptunium complexation with CMPO- and diglycolamide-functionalized ionic liquids: experimental and computational studies. New Journal of Chemistry, 2017, 41, 836-844.	2.8	28
107	Diglycolamide-functionalized poly(propylene imine) diaminobutane dendrimers for sequestration of trivalent f-elements: synthesis, extraction and complexation. Dalton Transactions, 2017, 46, 501-508.	3.3	25
108	Extraction of uranium(VI) from nitric acid solutions using N,N-dihexyloctanamide in ionic liquids: Solvent extraction and spectroscopic studies. Solvent Extraction and Ion Exchange, 2017, 35, 423-438.	2.0	19

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109	Diglycolamide-functionalized dendrimers: Studies on Americium(III) pertraction from radioactive waste. Separation and Purification Technology, 2017, 187, 110-117.	7.9	9
110	Superparamagnetic graphene oxideâ€“magnetite nanoparticle composites for uptake of actinide ions from mildly acidic feeds. Journal of Chromatography A, 2017, 1513, 18-26.	3.7	12
111	Benzene-centred tripodal diglycolamides for the sequestration of trivalent actinides: metal ion extraction and luminescence spectroscopic investigations in a room temperature ionic liquid. Dalton Transactions, 2017, 46, 11355-11362.	3.3	26
112	Separation of Am³⁺ and Eu³⁺ using hexa-n-octylnitrilo triacetamide (HONTA): complexation, extraction, luminescence, EXAFS and DFT studies. Dalton Transactions, 2017, 46, 16631-16639.	3.3	23
113	Unusual extraction of trivalent f-cations using diglycolamide dendrimers in a room temperature ionic liquid: extraction, spectroscopic and DFT studies. Dalton Transactions, 2017, 46, 16541-16550.	3.3	22
114	Evaluation of radiation resistance of hollow fibers for possible application in radioactive waste treatment. Journal of Radioanalytical and Nuclear Chemistry, 2017, 311, 673-679.	1.5	3
115	An Insight into the Complexation of Trivalent Americium Visâ€Ââ€Vis Lanthanides with Bis(1,2,4â€triazinyl)bipyridine Derivatives. European Journal of Inorganic Chemistry, 2017, 2017, 820-828.	2.0	10
116	Recovery of radio-cesium from actual high level liquid waste using solvents containing calix[4]arene-crown-6 ligands. Journal of Environmental Chemical Engineering, 2017, 5, 4134-4140.	6.7	9
117	Solid phase extraction of Am(III) and Cm(III) from acidic feeds using tetraethyl diglycolamide (TEDGA) in ionic liquid. Journal of Radioanalytical and Nuclear Chemistry, 2016, 309, 819.	1.5	4
118	Hollow fiber supported liquid membrane studies using a process compatible solvent containing calix[4]arene-mono-crown-6 for the recovery of radio-cesium from nuclear waste. Separation and Purification Technology, 2016, 170, 208-216.	7.9	27
119	Complexation thermodynamics of diglycolamide with f-elements: solvent extraction and density functional theory analysis. Physical Chemistry Chemical Physics, 2016, 18, 9816-9828.	2.8	57
120	Extractive complexation of lanthanides and Am(III) by 1-phenyl-3-methyl-4-benzoyl-5-pyrazolone in ionic liquid: Solvent extraction and spectroscopic studies. Inorganic Chemistry Communication, 2016, 73, 72-76.	3.9	15
121	Thermodynamics of biphasic lanthanide extraction by tripodal diglycolamide: a solution calorimetry study. Dalton Transactions, 2016, 45, 17216-17222.	3.3	18
122	Polymer inclusion membrane containing a diglycolamide-functionalized calix[4]arene for actinide ion uptake and transport. Journal of Membrane Science, 2016, 516, 194-201.	8.2	11
123	Dramatic Changes in the Solubilities of Ions Induced by Ligand Addition in Biphasic System D₂O/DNO₃//[C₁C₄im][Tf₂N]: A Phenomenological Study. Journal of Physical Chemistry B, 2016, 120, 7502-7510.	2.6	14
124	Effect of different complexing ligands on europium uptake from aqueous phase by kaolinite: batch sorption and fluorescence studies. RSC Advances, 2016, 6, 84464-84471.	3.6	8
125	Synthesis and characterization of magnetic copperâ€“iron-titanate and uptake studies of americium from nuclear waste solutions. RSC Advances, 2016, 6, 111822-111830.	3.6	8
126	Highly Efficient Composite Polysulfone Beads Containing a Calix[4]areneâ€“Monocrown-6 Ligand and a Room Temperature Ionic Liquid for Radiocesium Separations: Remediation of Environmental Samples. Industrial & Engineering Chemistry Research, 2016, 55, 12460-12466.	3.7	12

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127	Highly efficient extraction of actinides with pillar[5]arene-derived diglycolamides in ionic liquids via a unique mechanism involving competitive hostâ€“guest interactions. Dalton Transactions, 2016, 45, 19299-19310.	3.3	49
128	Multi-podant diglycolamides and room temperature ionic liquid impregnated resins: An excellent combination for extraction chromatography of actinides. Journal of Chromatography A, 2016, 1448, 58-66.	3.7	24
129	Separation of carrier-free 90Y from 90Sr using flat sheet supported liquid membranes containing multiple diglycolamide-functionalized calix[4]arenes. Supramolecular Chemistry, 2016, 28, 360-366.	1.2	5
130	Polymer inclusion membrane containing a tripodal diglycolamide (T-DGA): Characterization and sorption isotherm studies. Journal of Environmental Chemical Engineering, 2016, 4, 1826-1838.	6.7	9
131	Polymer Inclusion Membrane Containing a Tripodal Diglycolamide Ligand: Actinide Ion Uptake and Transport Studies. Industrial & Engineering Chemistry Research, 2016, 55, 2202-2209.	3.7	17
132	A trialkyl phosphine oxide functionalized task specific ionic liquid for actinide ion complexation: extraction and spectroscopic studies. RSC Advances, 2016, 6, 19763-19767.	3.6	37
133	Diglycolamide-Functionalized Calix[4]arene for Am(III) Recovery from Radioactive Wastes: Liquid Membrane Studies Using a Hollow Fiber Contactor. Industrial & Engineering Chemistry Research, 2016, 55, 1740-1747.	3.7	16
134	Understanding the complexation of Eu³⁺ with three diglycolamide-functionalized calix[4]arenes: spectroscopic and DFT studies. Dalton Transactions, 2016, 45, 5425-5429.	3.3	27
135	Radiation stability of diglycolamide functionalized calix[4]arenes in ionic liquid: Solvent extraction, EPR and GCâ€“MS studies. Separation and Purification Technology, 2016, 162, 77-83.	7.9	16
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