

Andrew H Bond

List of Publications by Year in descending order

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41
papers

1,521
citations

331670

21
h-index

302126

39
g-index

41
all docs

41
docs citations

41
times ranked

1056
citing authors

#	ARTICLE	IF	CITATIONS
1	Metal ion separations in polyethylene glycol-based aqueous biphasic systems: correlation of partitioning behavior with available thermodynamic hydration data. Biomedical Applications, 1996, 680, 221-229.	1.7	172
2	Synthesis and structural elucidation of novel uranyl-crown ether compounds isolated from nitric, hydrochloric, sulfuric, and acetic acids. Inorganic Chemistry, 1991, 30, 2671-2679.	4.0	140
3	Incorporating Size Selectivity into Synergistic Solvent Extraction: A Review of Crown Ether-Containing Systems. Industrial & Engineering Chemistry Research, 2000, 39, 3442-3464.	3.7	139
4	Complexation chemistry of bismuth(III) halides with crown ethers and polyethylene glycols. Structural manifestations of a stereochemically active lone pair. Journal of the American Chemical Society, 1992, 114, 2967-2977.	13.7	128
5	Metal Ion Separations in Polyethylene Glycol-Based Aqueous Biphasic Systems. Separation Science and Technology, 1993, 28, 1091-1126.	2.5	98
6	Alcoholysis of bismuth(III) nitrate pentahydrate by polyethylene glycols. Comparison with bismuth(III) nitrate crown ether complexation. Journal of the American Chemical Society, 1992, 114, 2960-2967.	13.7	88
7	Crown ether complexes of lead(II) nitrate. Crystal structures of the 12-crown-4, 15-crown-5, benzo-15-crown-5 and 18-crown-6 complexes. Inorganica Chimica Acta, 1992, 192, 163-171.	2.4	65
8	PARTITIONING BEHAVIOR OF ⁹⁹ Tc AND ¹²⁹ I FROM SIMULATED HANFORD TANK WASTES USING POLYETHYLENE-GLYCOL BASED AQUEOUS BIPHASIC SYSTEMS. Solvent Extraction and Ion Exchange, 1995, 13, 689-713.	2.0	47
9	Structural Chemistry of Poly(ethylene glycol) Complexes of Lead(II) Nitrate and Lead(II) Bromide. Inorganic Chemistry, 1996, 35, 6964-6973.	4.0	46
10	Crown ethers as actinide extractants in acidic aqueous biphasic systems: partitioning behavior in solution and crystallographic analyses of the solid state. Journal of Alloys and Compounds, 1994, 213-214, 305-312.	5.5	42
11	Isomer Effects in the Extraction of Metal Ions from Acidic Nitrate Media by Dicyclohexano-18-crown-6. Radiochimica Acta, 1999, 85, 119-130.	1.2	42
12	Aqueous Biphasic Systems for Liquid/Liquid Extraction of f-Elements Utilizing Polyethylene Glycols. Separation Science and Technology, 1993, 28, 139-153.	2.5	40
13	New Technologies for Metal Ion Separations: Aqueous Biphasic Extraction Chromatography (ABEC). Part I Uptake of Per technetate. Solvent Extraction and Ion Exchange, 1996, 14, 919-946.	2.0	39
14	Macrocyclic complexation chemistry 34. Polyethylene glycol and glycolate complexes of Th ⁴⁺ . Preparation and structural characterization of [ThCl ₃ (pentaethylene glycol)]Cl·CH ₃ CN and the (Th ⁴⁺) ₄ cluster, [Th ₄ Cl ₈ (O)(tetraethylene glycolate) ₃]·3CH ₃ CN. Inorganica Chimica Acta, 1991, 182, 9-17.	2.4	35
15	SELECTIVE AND QUANTITATIVE PARTITIONING OF PERTECHNETATE IN POLYETHYLENE-GLYCOL BASED AQUEOUS BIPHASIC SYSTEMS. Solvent Extraction and Ion Exchange, 1995, 13, 665-688.	2.0	34
16	Synergistic Solvent Extraction of Alkaline Earth Cations by Mixtures of Di-n-octylphosphoric Acid and Stereoisomers of Dicyclohexano-18-crown-6. Analytical Chemistry, 1999, 71, 2757-2765.	6.5	34
17	STRUCTURAL STUDIES OF POLYETHER COORDINATION TO MERCURY(II) HALIDES: CROWN ETHER VERSUS POLYETHYLENE GLYCOL COMPLEXATION. Journal of Coordination Chemistry, 1993, 29, 187-207.	2.2	33
18	Novel Polyethylene Glycol-Based Aqueous Biphasic Systems for the Extraction of Strontium and Cesium. Separation Science and Technology, 1995, 30, 1203-1217.	2.5	32

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19	Crown ether mediated cadmium halide dimers and polymers. <i>Inorganica Chimica Acta</i> , 1996, 250, 105-117.	2.4	27
20	New Technetium-99M Generator Technologies Utilizing Polyethylene Glycol-Based Aqueous Biphasic Systems. <i>Separation Science and Technology</i> , 1997, 32, 867-882.	2.5	24
21	Polyethylene glycol complexation of Cd ²⁺ . Structures of triethylene glycol complexes of CdCl ₂ , CdBr ₂ and CdI ₂ . <i>Inorganica Chimica Acta</i> , 1993, 212, 225-231.	2.4	23
22	STRUCTURAL STUDIES OF POLYETHER COORDINATION TO MERCURY(II) HALIDES: CROWN ETHER VERSUS POLYETHYLENE GLYCOL COMPLEXATION. <i>Journal of Coordination Chemistry</i> , 1993, 29, 187-207.	2.2	20
23	Polyethylene glycol based-aqueous biphasic systems as technetium-99m generators. <i>Applied Radiation and Isotopes</i> , 1996, 47, 497-499.	1.5	20
24	Macrocycle complexation chemistry. 33. Preparation of [Ca(12-crown-4) ₂][UO ₂ Cl ₄] and [Ca(OH ₂) ₃ (15-crown-5)][UO ₂ Cl ₄]. Structure of [Ca(OH ₂) ₃ (15-crown-5)][UO ₂ Cl ₄]. <i>Journal of Crystallographic and Spectroscopic Research</i> , 1990, 20, 611-616.	0.2	19
25	Title is missing!. <i>Journal of Chemical Crystallography</i> , 1998, 28, 521-527.	1.1	19
26	Flowsheet Feasibility Studies Using ABEC Resins for Removal of Per technetate from Nuclear Wastes. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1683-1689.	3.7	19
27	Design, Synthesis, and Uptake Performance of ABEC Resins for the Removal of Per technetate from Alkaline Radioactive Wastes. <i>Industrial & Engineering Chemistry Research</i> , 1999, 38, 1676-1682.	3.7	18
28	Extraction Chromatography: Progress and Opportunities. <i>ACS Symposium Series</i> , 1999, , 234-250.	0.5	16

29

#	ARTICLE	IF	CITATIONS
37	Crystal Nucleation Using Surface-Energy-Modified Glass Substrates. <i>Crystal Growth and Design</i> , 2017, 17, 4049-4055.	3.0	4
38	Crystal structure of Pt(S2COEt)2. <i>Journal of Chemical Crystallography</i> , 1994, 24, 707-710.	1.1	3
39	Crystal structure of Pt(S2COEt)2. <i>Journal of Chemical Crystallography</i> , 1994, 24, 711-714.	1.1	2
40	Bismuth coordination chemistry: a brief retrospective spanning crystallography to clinical potential. <i>Journal of Coordination Chemistry</i> , 2021, 74, 129-151.	2.2	2
41	Behavior of Actinide Ions During Sludge Washing of Alkaline Radioactive Wastes. <i>Materials Research Society Symposia Proceedings</i> , 1999, 608, 595.	0.1	1