

M L P Reddy

List of Publications by Year in descending order

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87888

38
h-index

128289

60
g-index

96
all docs

96
docs citations

96
times ranked

3199
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, Crystal Structure, and Luminescent Properties of Novel Eu ³⁺ +Heterocyclic β^2 -Diketonate Complexes with Bidentate Nitrogen Donors. <i>Inorganic Chemistry</i> , 2006, 45, 10651-10660.	4.0	218
2	Highly Luminescent Poly(Methyl Methacrylate)-Incorporated Europium Complex Supported by a Carbazole-Based Fluorinated β^2 -Diketonate Ligand and a 4,5-Bis(diphenylphosphino)-9,9-dimethylxanthene Oxide Co-Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 9055-9063.	4.0	190
3	Highly Luminescent and Thermally Stable Lanthanide Coordination Polymers Designed from 4-(Dipyridin-2-yl)aminobenzoate: Efficient Energy Transfer from Tb ³⁺ to Eu ³⁺ in a Mixed Lanthanide Coordination Compound. <i>Inorganic Chemistry</i> , 2012, 51, 8818-8826.	4.0	170
4	One-, Two-, and Three-Dimensional Arrays of Eu ³⁺ -4,4,5,5-pentafluoro-1-(naphthalen-2-yl)pentane-1,3-dione complexes: Synthesis, Crystal Structure and Photophysical Properties. <i>Inorganic Chemistry</i> , 2008, 47, 8091-8100.	4.0	148
5	Brilliant Photoluminescence and Triboluminescence from Ternary Complexes of Dy ^{III} and Tb ^{III} with 3-Phenyl-4-propanoyl-5-isoxazonate and a Bidentate Phosphine Oxide Coligand. <i>Inorganic Chemistry</i> , 2013, 52, 8750-8758.	4.0	129
6	Synthesis, Crystal Structure, and Photoluminescence of Homodinuclear Lanthanide 4-(Dibenzylamino)benzoate Complexes. <i>Inorganic Chemistry</i> , 2010, 49, 2407-2415.	4.0	121
7	3-Phenyl-4-benzoyl-5-isoxazonate Complex of Eu ³⁺ with Tri-n-octylphosphine Oxide as a Promising Light-Conversion Molecular Device. <i>Inorganic Chemistry</i> , 2006, 45, 2184-2192.	4.0	116
8	Synthesis and crystal structures of lanthanide 4-benzyloxy benzoates: Influence of electron-withdrawing and electron-donating groups on luminescent properties. <i>Dalton Transactions</i> , 2010, 39, 776-786.	3.3	100
9	3-Phenyl-4-acyl-5-isoxazonate complex of Tb ³⁺ doped into poly- β -hydroxybutyrate matrix as a promising light-conversion molecular device. <i>Journal of Materials Chemistry</i> , 2009, 19, 5179.	6.7	98
10	Single Polymer Photosensitizer for Tb ³⁺ and Eu ³⁺ Ions: An Approach for White Light Emission Based on Carboxylic-Functionalized Poly(m-phenylenevinylene)s. <i>Journal of Physical Chemistry B</i> , 2009, 113, 14128-14138.	2.6	93
11	Visible-light sensitized luminescent europium(iii)- β^2 -diketonate complexes: bioprobes for cellular imaging. <i>Dalton Transactions</i> , 2013, 42, 15249.	3.3	90
12	Synthesis, Crystal Structures, and Photophysical Properties of Homodinuclear Lanthanide Xanthene-9-carboxylates. <i>Inorganic Chemistry</i> , 2007, 46, 11025-11030.	4.0	81
13	Highly efficient visible light sensitized red emission from europium tris[1-(4-biphenoyl)-3-(2-fluoroyl)propanedione](1,10-phenanthroline) complex grafted on silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2010, 20, 5220.	6.7	80
14	Tuning of the excitation wavelength from UV to visible region in Eu ³⁺ - β^2 -diketonate complexes: Comparison of theoretical and experimental photophysical properties. <i>Dalton Transactions</i> , 2011, 40, 3257.	3.3	76
15	Lanthanide benzoates: a versatile building block for the construction of efficient light emitting materials. <i>Dalton Transactions</i> , 2013, 42, 2663-2678.	3.3	76
16	Highly efficient luminescent hybrid materials covalently linking with europium(iii) complexes via a novel fluorinated β^2 -diketonate ligand: synthesis, characterization and photophysical properties. <i>Dalton Transactions</i> , 2010, 39, 8084.	3.3	74
17	Tunable white-light emission from mixed lanthanide (Eu ³⁺ , Gd ³⁺), <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 ff Transactions</i> , 2014, 43, 10940-10946.	3.3	74
18	AIPE-active green phosphorescent iridium(^{III}) complex impregnated test strips for the vapor-phase detection of 2,4,6-trinitrotoluene (TNT). <i>Journal of Materials Chemistry C</i> , 2014, 2, 515-523.	5.5	72

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19	Visible-light excited red emitting luminescent nanocomposites derived from Eu ³⁺ -phenanthrene-based fluorinated β^2 -diketonate complexes and multi-walled carbon nanotubes. <i>Journal of Materials Chemistry C</i> , 2013, 1, 160-170.	5.5	69
20	Lanthanide Luminescent Coordination Polymer Constructed from Unsymmetrical Dinuclear Building Blocks Based on 4-((1H-Benzo[d]imidazol-1-yl)methyl)benzoic Acid. <i>Crystal Growth and Design</i> , 2011, 11, 857-864.	3.0	67
21	Lanthanide-Based Coordination Polymers Assembled from Derivatives of 3,5-Dihydroxy Benzoates: Syntheses, Crystal Structures, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2011, 50, 4882-4891.	4.0	65
22	Molecular Ladders of Lanthanide-3-phenyl-4-benzoyl-5-isoxazonate and Bis(2-(diphenylphosphino)phenyl) Ether Oxide Complexes: The Role of the Ancillary Ligand in the Sensitization of Eu ³⁺ and Tb ³⁺ Luminescence. <i>Crystal Growth and Design</i> , 2009, 9, 3562-3569.	3.0	64
23	Amending the Anisotropy Barrier and Luminescence Behavior of Heterometallic Trinuclear Linear [M ^{II} Ln ^{III} M ^{II}] (Ln ^{III} =Gd, Tb, Dy; Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Chemistry - A European Journal, 2015, 21, 6449-6464.	3.3	59
24	Liquid-Liquid Extraction Processes for the Separation and Purification of Rare Earths. <i>Mineral Processing and Extractive Metallurgy Review</i> , 1993, 12, 91-113.	5.0	57
25	A mitochondria-specific visible-light sensitized europium β^2 -diketonate complex with red emission. <i>Dalton Transactions</i> , 2013, 42, 12317.	3.3	56
26	1D Molecular Ladder of the Ionic Complex of Terbium-4-Sebacoylbis(1-phenyl-3-methyl-5-pyrazolonate) and Sodium Dibenzo-18-Crown-6: Synthesis, Crystal Structure, and Photophysical Properties. <i>Inorganic Chemistry</i> , 2008, 47, 7396-7404.	4.0	55
27	Dual emission from stoichiometrically mixed lanthanide complexes of 3-phenyl-4-benzoyl-5-isoxazonate and 2,2'-bipyridine. <i>Journal of Materials Chemistry</i> , 2009, 19, 1425.	6.7	55
28	Comparing Ultraviolet and Chemical Reduction Techniques for Enhancing Photocatalytic Activity of Silver Oxide/Silver Deposited Nanocrystalline Anatase Titania. <i>Journal of Physical Chemistry C</i> , 2009, 113, 6243-6255.	3.1	55
29	2-Thiopheneacetato-Based One-Dimensional Coordination Polymer of Tb ³⁺ : Enhancement of Terbium-Centered Luminescence in the Presence of Bidentate Nitrogen Donor Ligands. <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 4387-4394.	2.0	53
30	Bright green luminescent molecular terbium plastic materials derived from 3,5-bis(perfluorobenzyloxy)benzoate. <i>Journal of Materials Chemistry</i> , 2012, 22, 10852.	6.7	53
31	β^2 -Conjugated polymer-Eu ³⁺ complexes: versatile luminescent molecular probes for temperature sensing. <i>Journal of Materials Chemistry A</i> , 2013, 1, 2256-2266.	10.3	50
32	Highly luminescent europium(iii) complexes containing organosilyl 4,4,5,5,5-pentafluoro-1-(naphthalen-2-yl)pentane-1,3-dione ligands grafted on silica nanoparticles. <i>Journal of Materials Chemistry</i> , 2009, 19, 7976.	6.7	49
33	A Highly Selective Chemosensor for Cyanide Derived from a Formyl-Functionalized Phosphorescent Iridium(III) Complex. <i>Inorganic Chemistry</i> , 2016, 55, 3448-3461.	4.0	48
34	Synthesis and Luminescent Properties of Novel Europium(III) Heterocyclic β^2 -Diketone Complexes with Lewis Bases: Structural Analysis Using the Sparkle/AM1 Model. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4129-4137.	2.0	47
35	4,4,5,5,5-Pentafluoro-1-(9H-fluoren-2-yl)-1,3-pentanedione complex of Eu ³⁺ with 4,5-bis(diphenylphosphino)-9,9-dimethylxanthene oxide as a promising light-conversion molecular device. <i>Dalton Transactions</i> , 2009, , 7519.	3.3	42
36	RECENT ADVANCES IN THE SOLVENT EXTRACTION OF MERCURY(II) WITH CALIXARENES AND CROWN ETHERS. <i>Solvent Extraction and Ion Exchange</i> , 2001, 19, 839-863.	2.0	41

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37	Photophysical and electroluminescence properties of bis(2,6-difluoro-2,3-bipyridinato-N,C4)iridium(picolinate) complexes: effect of electron-withdrawing and electron-donating group substituents at the 4 position of the pyridyl moiety of the cyclometalated ligand. <i>Journal of Materials Chemistry C</i> , 2015, 3, 7405-7420.	5.5	41
38	Carboxylic acid functionalized water soluble π -conjugated polymer: Highly selective and efficient chemosensor for mercury(II) ions. <i>Journal of Polymer Science Part A</i> , 2009, 47, 5144-5157.	2.3	38
39	Calix[2]benzopyrin with Aggregation-Induced Enhanced Emission Characteristics: Application as a Hg ^{II} Chemosensor. <i>Chemistry - A European Journal</i> , 2011, 17, 6598-6601.	3.3	34
40	Selective Extraction and Separation of Titanium(IV) from Multivalent Metal Chloride Solutions Using 2-Ethylhexyl Phosphonic Acid Mono-2-ethylhexyl Ester. <i>Separation Science and Technology</i> , 2003, 38, 427-441.	2.5	33
41	Near-infrared luminescence of Nd ³⁺ and Yb ³⁺ complexes using a polyfluorinated pyrene-based β^2 -diketonate ligand. <i>RSC Advances</i> , 2016, 6, 69509-69520.	3.6	31
42	Solvent Extraction and Separation of Vanadium (V) from Multivalent Metal Chloride Solutions by Cyanex 923. <i>Solvent Extraction and Ion Exchange</i> , 2003, 21, 573-589.	2.0	28
43	Lanthanide Sulfate Frameworks: Synthesis, Structure, and Optical Properties. <i>Crystal Growth and Design</i> , 2011, 11, 1347-1356.	3.0	27
44	Para-Substituted 1-Phenyl-3-methyl-4-caroyl-5-pyrazolones as Chelating Agents for the Synergistic Extraction of Thorium(IV) and Uranium(VI) in the Presence of Various Crown Ethers. <i>Solvent Extraction and Ion Exchange</i> , 2004, 22, 761-789.	2.0	26
45	Synthesis, Structure and Optical Studies of a Family of Three-Dimensional Rare-Earth Aminoisophthalates [M($\frac{1}{4}$ OH)(C ₈ H ₅ NO ₄)] (M = Tj) <i>ETQq1</i> 1 0.784314 rgBT <i>Inorganic Chemistry</i> , 2010, 2010, 3813-3822.	2.0	25
46	Crown ethers as synergists in the extraction of trivalent lanthanoids with 3-phenyl-4-(4-fluorobenzoyl)-5-isoxazolone. <i>Radiochimica Acta</i> , 2004, 92, .	1.2	23
47	Morphology-Dependent Dye-Removal Mechanism as Observed for Anatase-Titania Photocatalyst. <i>Catalysis Letters</i> , 2009, 131, 663-671.	2.6	22
48	Achieving visible light excitation in carbazole-based Eu ³⁺ β^2 -diketonate complexes via molecular engineering. <i>RSC Advances</i> , 2015, 5, 90720-90730.	3.6	21
49	A lysosome targetable luminescent bioprobe based on a europium β^2 -diketonate complex for cellular imaging applications. <i>Dalton Transactions</i> , 2016, 45, 18719-18729.	3.3	21
50	Solvent Extraction Separation of Vanadium(V) from Multimetal Chloride Solutions Using Tributylphosphate. <i>Separation Science and Technology</i> , 2003, 38, 3761-3774.	2.5	20
51	Chemodosimetric cyanide sensing in a 5,15-porphodimethene Pd(ⁱⁱ) complex. <i>Chemical Communications</i> , 2014, 50, 10834-10836.	4.1	20
52	Tuning of the excitation wavelength in Eu ³⁺ -aminophenyl based polyfluorinated β^2 -diketonate complexes: a red-emitting Eu ³⁺ -complex encapsulated in a silica/polymer hybrid material excited by blue light. <i>Dalton Transactions</i> , 2015, 44, 15924-15937.	3.3	20
53	Solvent extraction of tetravalent titanium with organophosphorus extractants. <i>Mineral Processing and Extractive Metallurgy Review</i> , 2002, 23, 199-227.	5.0	19
54	Synergistic Solvent Extraction of Trivalent Lanthanoids with Mixtures of 1-Phenyl-3-methyl-4-pivaloyl-5-pyrazolone and Crown Ethers. <i>Solvent Extraction and Ion Exchange</i> , 2003, 21, 797-813.	2.1	17

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55	Enhanced extraction of thorium(IV) and uranium(VI) with 1-phenyl-3-methyl-4-pivaloyl-5-pyrazolone in the presence of various neutral organophosphorus extractants. <i>Radiochimica Acta</i> , 2004, 92, .	1.2	16
56	Synthesis, Characterization, and Luminescence Properties of Eu ³⁺ -3-Phenyl-4-(4-toluoyl)-5-isoxazolonate Based Organic-Inorganic Hybrids. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 3923-3929.	2.0	16
57	Synthesis, crystal structure and photophysical properties of lanthanide coordination polymers of 4-[4-(9H-carbazol-9-yl)butoxy]benzoate: the effect of bidentate nitrogen donors on luminescence. <i>Dalton Transactions</i> , 2012, 41, 14671.	3.3	16
58	Mixed-Ligand Chelate Extraction of Trivalent Lanthanides and Actinides with 3-Phenyl-4-Benzoyl-5-Isioxazolone and Neutral Oxo-donors. <i>Radiochimica Acta</i> , 1995, 69, 55-60.	1.2	15
59	Thiosubstituted Organophosphinic Acids as Selective Extractants for Mercury(II) from Acidic Chloride Solutions. <i>Solvent Extraction and Ion Exchange</i> , 2003, 21, 109-123.	2.0	14
60	Amphiphilic π -Conjugated Poly(m-phenylene) Photosensitizer for the Eu ³⁺ -Ion: The Role of Macromolecular Chain Aggregation on the Color Tunability of Lanthanides. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10789-10800.	2.6	14
61	Lysosome-targeting luminescent lanthanide complexes: from molecular design to bioimaging. <i>Dalton Transactions</i> , 2022, 51, 7748-7762.	3.3	14
62	Enhanced Extraction and Separation of Trivalent Lanthanoids with 4,4,4-Trifluoro-1-phenyl-1,3-butanedione and Crown Ether. <i>Radiochimica Acta</i> , 1998, 80, 151-154.	1.2	13
63	Synergistic Extraction of Trivalent Lanthanoids with 3-Phenyl-4-benzoyl-5-isoxazolone and Various Sulphoxides. <i>Radiochimica Acta</i> , 1999, 85, 107-112.	1.2	13
64	Fluorine interaction controlled AIEE phenomenon in an expanded calixbenzophyrin and its vapoluminescent response: turn on emission with volatile ketones and esters. <i>Chemical Communications</i> , 2013, 49, 2213.	4.1	13
65	Crown Ethers as Synergists in the Extraction of Trivalent Lanthanides by 1-Phenyl-3-methyl-4-trifluoroacetyl-pyrazolone-5. <i>Radiochimica Acta</i> , 1996, 75, 11-16.	1.2	12
66	The separation of zinc(II) and cadmium(II) by liquid-liquid extraction. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1996, 211, 305-316.	1.5	11
67	Amine-Functionalized Silica Nanoparticles Incorporating Covalently Linked Visible-Light-Excitable Eu ³⁺ Complexes: Synthesis, Characterization, and Cellular Uptake Studies. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 3205-3213.	2.0	11
68	Effect of Polymethylene Chain Length of 4-Acylbis(1-phenyl-3-methyl-5-pyrazolones) on the Extraction of Vanadium(V): Synergistic Effect with Neutral Organophosphorus Extractants. <i>Solvent Extraction and Ion Exchange</i> , 2005, 23, 501-518.	2.0	10
69	Radiochemical Extraction of Lanthanide Thiocyanate Complexes with Bis-2-Ethylhexyl Sulphoxide. <i>Radiochimica Acta</i> , 1994, 64, 121-126.	1.2	9
70	Synergistic Extraction of Zirconium(IV) and Hafnium(IV) with 4-Acylbis(1-phenyl-3-methyl-5-pyrazolones) in the Presence of Neutral Organophosphorus Extractants. <i>Solvent Extraction and Ion Exchange</i> , 2006, 24, 419-432.	2.0	9
71	3-Phenyl-4-acyl-5-isoxazolones as Reagents for the Solvent Extraction Separation of Titanium(IV) and Iron(III) from Multivalent Metal Chloride Solutions. <i>Solvent Extraction and Ion Exchange</i> , 2004, 22, 473-490.	2.0	8
72	Enhanced extraction and separation of zirconium(IV) and hafnium(IV) with 3-phenyl-4-benzoyl-5-isoxazolone in presence of various neutral organophosphorus extractants. <i>Radiochimica Acta</i> , 2007, 95, .	1.2	8

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73	Syntheses of normal, expanded, strapped and N-confused calixbenzophyrins from a single starting material. <i>Chemical Communications</i> , 2013, 49, 5769.	4.1	8
74	Mixed-ligand chelate extraction of trivalent lanthanides and actinides with 1-phenyl-3-methyl-4-benzoyl-pyrazolone-5 and dihexyl-N,N-diethylcarbamoymethyl phosphonate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 198, 367-374.	1.5	7
75	Chemically based model for the extraction of Pr(III) and Nd(III) with mixtures of various organophosphorus compounds. <i>Journal of Chemical Engineering of Japan</i> , 1991, 24, 542-545.	0.6	6
76	Synergistic Solvent Extraction of Trivalent Lanthanides and Actinides by Mixtures of l-Phenyl-3-methyl-4-acetyl-pyrazolone-5 and Neutral Oxo-Donors. <i>Radiochimica Acta</i> , 1994, 65, 167-172.	1.2	6
77	Synergistic solvent extraction of Eu(III) and Tb(III) with mixtures of various organophosphorus extractants. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1994, 178, 109-120.	1.5	6
78	Extraction equilibrium of mercury(II) with bis(2-ethylhexyl) sulphoxide. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1995, 191, 331-336.	1.5	6
79	Radiochemical Extraction and Separation of Mercury(II) from Zinc(II) and Cadmium(II) with Cyanex 471X. <i>Radiochimica Acta</i> , 1997, 76, 109-112.	1.2	6
80	Para-substituted 1-Phenyl-3-methyl-4-benzoyl-5-pyrazolones as Selective Extractants for Vanadium(V) from Acidic Chloride Solutions. <i>Solvent Extraction and Ion Exchange</i> , 2006, 24, 877-892.	2.0	6
81	Solvent extraction of zinc(II) with sulphoxides: Theoretical analysis of extraction behaviour. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1990, 144, 263-276.	1.5	5
82	Solvent extraction of Er(III) and Lu(III) with 2-ethylhexylphosphonic acid mono-2-ethylhexyl ester in presence of some reagents. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1993, 172, 167-179.	1.5	4
83	Synergistic solvent extraction of cerium(III) with mixtures of thenoyltrifluoroacetone and dialkyl sulphoxides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1993, 171, 329-338.	1.5	4
84	Radiochemical Extraction and Separation of Cadmium(II) and Mercury(II) with Bis-2-ethylhexyl sulphoxide. <i>Radiochimica Acta</i> , 1995, 69, 201-204.	1.2	4
85	Extraction behavior of trivalent lanthanoids and yttrium with bis (2,4,4-trimethylpentyl)octylphosphine oxide. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1998, 230, 29-32.	1.5	4
86	Liquid-liquid extraction of yttrium(III) from thiocyanate solutions with sulphoxides and their mixtures. Computer aided analysis. <i>Journal of Chemical Engineering of Japan</i> , 1993, 26, 189-193.	0.6	3
87	Liquid-liquid extraction of cerium(III) from thiocyanate media with mixtures of organophosphorus extractants. <i>Journal of Chemical Engineering of Japan</i> , 1993, 26, 194-197.	0.6	3
88	Radiochemical extraction of mercury(II) from acidic chloride solutions using dialkylsulphides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2002, 252, 99-104.	1.5	3
89	Solvent Extraction of Se(IV) and Te(IV) from Hydrochloric Acid Solutions by Sulphoxides and their Mixtures. <i>Radiochimica Acta</i> , 1982, 31, 161-164.	1.2	2
90	Solvent extraction of Cobalt(II) from thiocyanate solutions by sulphoxides. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 1984, 86, 303-309.	1.5	2

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91	Synergistic solvent extraction of lutetium(III). Computer aided analysis. Journal of Radioanalytical and Nuclear Chemistry, 1992, 163, 335-348.	1.5	2
92	Extraction equilibrium of ytterbium(III) with sulfoxides and their mixtures. Journal of Radioanalytical and Nuclear Chemistry, 1993, 170, 89-97.	1.5	2
93	Solvent Extraction of Zinc(II) from Hydrochloric Acid Solutions by Sulphoxides and their Mixtures. Radiochimica Acta, 1984, 37, 29-32.	1.2	1
94	Synergistic Solvent Extraction of Trivalent Lanthanides by Mixtures of 1-Phenyl-3-Methyl-4-Trifluoroacetyl-Pyrazolone-5 and Neutral OxoDonors.. Journal of Chemical Engineering of Japan, 1996, 29, 187-190.	0.6	1
95	Phosphorescent Iridium Molecular Materials as Chemosensors for Nitroaromatic Explosives: Recent Advances. Comments on Inorganic Chemistry, 2023, 43, 34-65.	5.2	1
96	Liquid-liquid extraction of copper (II) with dialkyl sulfoxides. Journal of Chemical Sciences, 1991, 103, 95-98.	1.5	0