

# Wuping Liao

## List of Publications by Year in descending order

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103  
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#	ARTICLE	IF	CITATIONS
1	Separation of trivalent rare earths from nitrate medium using solvent extraction with a novel extractant 2-ethylhexyl ((2-ethylhexylamino)methyl) phosphonic acid. <i>Journal of Rare Earths</i> , 2022, 40, 491-500.	4.8	7
2	Extraction and separation of yttrium from other rare earths in chloride medium by phosphorylcarboxylic acids. <i>Journal of Rare Earths</i> , 2022, 40, 958-964.	4.8	14
3	Removal of aluminum from chloride leach solutions of rare earths using 3-((bis(2-ethylhexyloxy))phosphoryl)-3-phenylpropanoic acid (PPPA). <i>Hydrometallurgy</i> , 2022, 208, 105825.	4.3	6
4	Acid/base regulated syntheses of different 1D coordination chains for selective mercury removal from aqueous solution. <i>Journal of Solid State Chemistry</i> , 2022, 308, 122908.	2.9	0
5	Separation of rare earths in chloride media by synergistic solvent extraction with mixture of HEHAMP and CA12 and stripping with HCl. <i>Hydrometallurgy</i> , 2022, 213, 105912.	4.3	6
6	Constructing p-sulfonatothiacalix[4]arene-based coordination squares as new type of efficient proton-conducting solid electrolytes. <i>Inorganica Chimica Acta</i> , 2021, 514, 120027.	2.4	3
7	4.8 nm Concave {M <sub>72</sub> } (M=Co, Ni, Fe) metal-organic polyhedra capped by 18 calixarenes. <i>Science China Chemistry</i> , 2021, 64, 426-431.	8.2	33
8	Eu <sup>II</sup> –Mn Charge Transfer and the Strong Charge–Spin–Electronic Coupling Behavior in EuMnO <sub>3</sub> . <i>Inorganic Chemistry</i> , 2021, 60, 1367-1379.	4.0	2
9	A porous 2D cobalt-sulfonylcalix[4]arene coordination polymer for gas adsorption. <i>Journal of Molecular Structure</i> , 2021, 1237, 130392.	3.6	7
10	Assembly of cobalt-p-sulfonatothiacalix[4]arene frameworks with phosphate, phosphite and phenylphosphonate ligands. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2021, 76, 827-833.	0.7	0
11	Synergistic solvent extraction of heavy rare earths from chloride media using mixture of HEHHAP and Cyanex272. <i>Hydrometallurgy</i> , 2020, 191, 105240.	4.3	20
12	A novel extractant bis(2-ethylhexyl) ((2-ethylhexylamino)methyl) phosphine oxide for cerium(IV) extraction and separation from sulfate medium. <i>Journal of Rare Earths</i> , 2020, 38, 1330-1336.	4.8	13
13	Two sulfur and nitrogen-rich cobalt-thiacalix[4]arene compounds for the selective mercury removal from aqueous solutions. <i>CrystEngComm</i> , 2020, 22, 7668-7672.	2.6	5
14	Constructing [Coll6] hexagon-centered heterometallic {Ln <sub>6</sub> Co <sub>6</sub> } (Ln = Y, Eu) Tj ETQq0 0.0 rgBT /Oxerlock 10	8.0	0
15	Anion-Directed Assembly of Nickel-Calixarene Complexes: Constructing Isolated {Ni <sub>8</sub> }, {Ni <sub>20</sub> }, {Ni <sub>24</sub> }, and {Ni <sub>32</sub> } Clusters. <i>Crystal Growth and Design</i> , 2020, 20, 4164-4168.	3.0	11
16	A calixarene-capped round-cake like {Fe <sub>24</sub> } coordination cage involving the shuttlecock-like Fe <sub>4</sub> -TC <sub>4</sub> A SBUs. <i>Inorganic Chemistry Communication</i> , 2020, 113, 107801.	3.9	1
17	Removal of thorium and uranium from leach solutions of ion-adsorption rare earth ores by solvent extraction with Cextrant 230. <i>Hydrometallurgy</i> , 2020, 194, 105343.	4.3	45
18	Progress in developing the novel extractants for rare earths. <i>Scientia Sinica Chimica</i> , 2020, 50, 1473-1485.	0.4	4

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19	Separation of trivalent rare earths from chloride medium using solvent extraction with heptylaminoethyl phosphonic acid 2-ethylhexyl ester (HEHHAP). <i>Hydrometallurgy</i> , 2019, 188, 14-21.	4.3	23
20	Calixarene-Based {Co <sub>26</sub> } Burr Puzzle: An Efficient Oxygen Reduction Catalyst. <i>ACS Applied Nano Materials</i> , 2019, 2, 4232-4237.	5.0	14
21	Recovery of Ga(III) from chloride solutions by solvent extraction with Cextrant 230. <i>Hydrometallurgy</i> , 2019, 185, 76-81.	4.3	15
22	A Tb-calixarene coordination chain for luminescent sensing of Fe <sup>3+</sup> , Cr <sub>2</sub> O <sub>7</sub> <sup>2-</sup> and 2,4-DNT. <i>Polyhedron</i> , 2019, 163, 84-90.	2.2	12
23	Synergistic extraction of heavy rare earths by mixture of $\beta$ -aminophosphonic acid HEHAMP and HEHEHP. <i>Journal of Rare Earths</i> , 2019, 37, 422-428.	4.8	22
24	Selective extraction and recovery of scandium from sulfate medium by Cextrant 230. <i>Hydrometallurgy</i> , 2018, 178, 54-59.	4.3	31
25	Solvent extraction and separation of rare earths from chloride media using $\beta$ -aminophosphonic acid extractant HEHAMP. <i>Solvent Extraction and Ion Exchange</i> , 2018, 36, 136-149.	2.0	28
26	A metal-calixarene coordination nanotube with 5-(pyrimidin-5-yl)isophthalic acid. <i>Dalton Transactions</i> , 2018, 47, 1782-1785.	3.3	14
27	Calixarene-Based {Ni <sub>18</sub> } Coordination Wheel: Highly Efficient Electrocatalyst for the Glucose Oxidation and Template for the Homogenous Cluster Fabrication. <i>Journal of the American Chemical Society</i> , 2018, 140, 6271-6277.	13.7	94
28	Assembly of Metal-Calixarene Compounds with a Ditetrazole Linker: From Isolated Cluster, Coordination Chain to Coordination Cage. <i>Crystal Growth and Design</i> , 2018, 18, 225-229.	3.0	12
29	A window frame-like square constructed by bridging Co <sub>4</sub> -(TC <sub>4</sub> A-SO <sub>2</sub> ) <sub>2</sub> SBU's with 1,3-bis(2H-terazol-5-yl)benzene. <i>Journal of Molecular Structure</i> , 2018, 1151, 29-33.	3.6	4
30	Extraction and separation of heavy rare earths from chloride medium by $\beta$ -aminophosphonic acid HEHAPP. <i>Journal of Rare Earths</i> , 2018, 36, 304-310.	4.8	33
31	Organoamine-induced isomerism of calixarene-based complexes: from 1D to 2D. <i>RSC Advances</i> , 2018, 8, 39208-39213.	3.6	2
32	Selective extraction and recovery of copper from chloride solution using Cextrant 230. <i>Hydrometallurgy</i> , 2018, 181, 16-20.	4.3	23
33	Progress in the extraction and separation of rare earths and related metals with novel extractants: A review. <i>Science China Technological Sciences</i> , 2018, 61, 1319-1328.	4.0	33
34	Extraction and recovery of cerium(IV) and thorium(IV) from sulphate medium by an $\beta$ -aminophosphonate extractant. <i>Journal of Rare Earths</i> , 2017, 35, 34-40.	4.8	46
35	Single-Molecule-Magnet Behavior in a Calix[8]arene-Capped {Tb <sub>6</sub> Cr <sub>3</sub> } Cluster. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 2088-2093.	2.0	18
36	Selective Extraction and Separation of Ce (IV) and Th (IV) from RE(III) in Sulfate Medium using Di(2-ethylhexyl)-N-heptylaminoethylphosphonate. <i>Solvent Extraction and Ion Exchange</i> , 2017, 35, 117-129.	2.0	21

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37	Separation of zirconium from hafnium in sulfate medium using solvent extraction with a new reagent BEAP. <i>Hydrometallurgy</i> , 2017, 169, 607-611.	4.3	29
38	1D morning glory-like calixarene-based coordination polymers as a support for Au/Ag nanoparticles. <i>Polyhedron</i> , 2017, 130, 75-80.	2.2	8
39	Synergistic extraction and separation of rare earths from chloride medium by the mixture of HEHAPP and D2EHPA. <i>Hydrometallurgy</i> , 2017, 174, 78-83.	4.3	42
40	Single-Molecule Magnetic Behavior in a Calix[8]arene-Capped Heterometallic {DyIII 4 CoII 4} Square-Antiprismatic Cluster. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4879-4883.	2.0	5
41	A Calixarene-based {Co <sup>9</sup> } Coordination Triangle as an Efficient Heterogeneous Catalyst. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 160-165.	1.2	8
42	Selective extraction and separation of Ce(IV) from thorium and trivalent rare earths in sulfate medium by an $\beta$ -aminophosphonate extractant. <i>Hydrometallurgy</i> , 2017, 167, 107-114.	4.3	42
43	Ultrafine Pt Nanoclusters Confined in a Calixarene-Based {Ni <sup>24</sup> } Coordination Cage for High-Efficient Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2016, 138, 16236-16239.	13.7	172
44	Selective extraction and separation of thorium from rare earths by a phosphorodiamidate extractant. <i>Hydrometallurgy</i> , 2016, 163, 192-197.	4.3	55
45	Calixarene-Based {Ni <sub>14</sub> } Seesaws: Active Chloride Anions to be Substituted by Isophthalic Acids. <i>Crystal Growth and Design</i> , 2016, 16, 6696-6699.	3.0	6
46	Extraction and separation of trivalent rare earth metal ions from nitrate medium by p-phosphonic acid calix[4]arene. <i>Hydrometallurgy</i> , 2016, 165, 300-305.	4.3	19
47	pH-dependent formation of different coordination cages based on Co <sup>4</sup> -TC4A secondary building units and bridging ligands. <i>CrystEngComm</i> , 2016, 18, 4938-4943.	2.6	15
48	Discrete {Ni <sup>40</sup> } Coordination Cage: A Calixarene-Based Johnson-Type (<i>C</i> <sup>17</sup> ) Hexadecahedron. <i>Journal of the American Chemical Society</i> , 2016, 138, 2969-2972.	13.7	108
49	Progress in the Separation Processes for Rare Earth Resources. <i>Fundamental Theories of Physics</i> , 2015, 48, 287-376.	0.3	34
50	Structure modeling, synthesis and X-ray diffraction determination of an extra-large calixarene-based coordination cage and its application in drug delivery. <i>Dalton Transactions</i> , 2015, 44, 14394-14402.	3.3	37
51	Constructing calixarene-supported high nuclearity Co <sup>27</sup> , Co <sup>28</sup> and Ni <sup>18</sup> Na <sup>6</sup> clusters with triazoles as co-bridges. <i>CrystEngComm</i> , 2015, 17, 2896-2902.	2.6	21
52	Bridging cobalt-calixarene subunits into a Co <sub>8</sub> entity or a chain with 4,4'-bipyridyl. <i>Journal of Molecular Structure</i> , 2014, 1060, 58-62.	3.6	8
53	Thiacalixarene-based nanoscale polyhedral coordination cages. <i>Coordination Chemistry Reviews</i> , 2014, 276, 61-72.	18.8	138
54	A 2D metal-calixarene aggregate involving in situ generated 5-(4-pyridyl)tetrazolate ligand. <i>Inorganic Chemistry Communication</i> , 2014, 47, 152-154.	3.9	9



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73	p-tert-Butylthiacalix[4]arene-supported high-nuclearity {Co <sub>24</sub> M <sub>8</sub> } (M = Mo or W) nanospheres and the hybrids with Keggin polyoxometalates. <i>Chemical Communications</i> , 2011, 47, 4724.	4.1	69
74	A solvent extraction process with mixture of CA12 and Cyanex272 for the preparation of high purity yttrium oxide from rare earth ores. <i>Separation and Purification Technology</i> , 2011, 82, 197-201.	7.9	70
75	Synergistic extraction and separation study of rare earth elements from nitrate medium by mixtures of sec-nonylphenoxy acetic acid and 2,2'-bipyridyl. <i>Journal of Chemical Technology and Biotechnology</i> , 2011, 86, 719-723.	3.2	9
76	Cloud point extraction and separation of copper and lanthanoids using Triton X-100 with water-soluble p-sulfonatocalix[4]arene as a chelating agent. <i>Mikrochimica Acta</i> , 2010, 169, 297-301.	5.0	18
77	Extraction of rare earths using mixtures of sec-octylphenoxy acetic acid and organophosphorus acids. <i>Korean Journal of Chemical Engineering</i> , 2010, 27, 1258-1261.	2.7	12
78	Solvent extraction studies of Sm(III) from nitrate medium and separation factors of rare earth elements with mixtures of sec-octylphenoxyacetic acid and 1,10-phenanthroline. <i>Journal of Chemical Technology and Biotechnology</i> , 2010, 85, 793-797.	3.2	13
79	Three p-tert-Butylthiacalix[4]arene-Supported Cobalt Compounds Obtained in One Pot Involving In Situ Formation of N <sub>6</sub> H <sub>2</sub> Ligand. <i>Inorganic Chemistry</i> , 2010, 49, 7735-7740.	4.0	54
80	Making a [Co <sub>24</sub> ] metallamacrocycle from the shuttlecock-like tetranuclear cobalt-calixarene building blocks. <i>Chemical Communications</i> , 2010, 46, 6362.	4.1	79
81	Self-Assembly from Two-Dimensional Layered Networks to Tetranuclear Structures: Syntheses, Structures, and Properties of Four Copper-Thiacalix[4]arene Compounds. <i>European Journal of Inorganic Chemistry</i> , 2009, 2009, 4989-4994.	2.0	23
82	Extraction and separation of rare earths from chloride medium with mixtures of 2-ethylhexylphosphonic acid mono(2-ethylhexyl) ester and sec-nonylphenoxy acetic acid. <i>Journal of Chemical Technology and Biotechnology</i> , 2009, 84, 1798-1802.	3.2	28
83	Solvent extraction study of rare earth elements from chloride medium by mixtures of sec-nonylphenoxy acetic acid with Cyanex301 or Cyanex302. <i>Hydrometallurgy</i> , 2009, 100, 15-19.	4.3	46
84	Solvent extraction of rare earths from chloride medium with mixtures of 1-phenyl-3-methyl-4-benzoyl-pyrazalone-5 and sec-octylphenoxyacetic acid. <i>Separation and Purification Technology</i> , 2009, 69, 97-101.	7.9	27
85	1,2,3,4-Alternate double cone conformational extreme in the supramolecular assemblies of p-sulfonatocalix[8]arene. <i>CrystEngComm</i> , 2009, 11, 1803.	2.6	18
86	A {Co <sub>32</sub> } Nanosphere Supported by p-tert-Butylthiacalix[4]arene. <i>Journal of the American Chemical Society</i> , 2009, 131, 11650-11651.	13.7	243
87	Assembly of discrete (H <sub>2</sub> O) <sub>16</sub> water clusters within a supramolecular compound of calixarene. <i>CrystEngComm</i> , 2009, 11, 1213.	2.6	34
88	Thiacalix[4]arene-Supported Planar Ln <sub>4</sub> (Ln = Tb <sup>III</sup> , Dy <sup>III</sup> ) Clusters: Toward Luminescent and Magnetic Bifunctional Materials. <i>Inorganic Chemistry</i> , 2009, 48, 11743-11747.	4.0	150
89	Two MnII <sub>2</sub> LnIII <sub>4</sub> (Ln = Gd, Eu) hexanuclear compounds of p-tert-butylsulfanylcalix[4]arene. <i>Dalton Transactions</i> , 2009, , 2250.	3.3	48
90	Macroscopic single-crystal tubes assembled with porous supramolecular architecture of water-soluble calixarene and phenanthroline. <i>Chemical Communications</i> , 2009, , 1861.	4.1	19

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91	3D metal-organic frameworks incorporating water-soluble tetra-p-sulfonatocalix[4]arene. <i>CrystEngComm</i> , 2009, 11, 2282.	2.6	33
92	Physicochemical properties, surface active species and formation of reverse micelles in the Cyanex 923-n-heptane/cerium(IV)-H <sub>2</sub> SO <sub>4</sub> extraction system. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1056-1063.	3.2	3
93	Mass transfer kinetics of neodymium(III) extraction by calix[4]arene carboxylic acid using a constant interfacial area cell with laminar flow. <i>Journal of Chemical Technology and Biotechnology</i> , 2008, 83, 1314-1320.	3.2	18
94	Lanthanide-Hinged Calixarene Bicapsules: Discrete Hexanuclear Ln <sup>III</sup> /Phenanthroline/p-Sulfonatocalix[4]arene Oligomers (Ln = Gd, Tb). <i>European Journal of Inorganic Chemistry</i> , 2008, 2008, 2959-2962.	2.0	19
95	Synergistic extraction of rare earths using acid-base coupling extractants of calix[4]arene carboxyl derivative and primary amine N1923. <i>Separation and Purification Technology</i> , 2008, 62, 674-680.	7.9	46
96	A Unique Mn <sub>2</sub> Gd <sub>2</sub> Tetranuclear Compound of p-tert-Butylthiacalix[4]arene. <i>Inorganic Chemistry</i> , 2008, 47, 9733-9735.	4.0	41
97	Assembly of Supramolecular Compounds with Water-Soluble Calix[4]arenes. <i>Crystal Growth and Design</i> , 2008, 8, 3630-3635.	3.0	29
98	A Novel Europium Carbodiimide that Contains Isolated Europium Tetrahedra and Parallel Chains of Edge-Sharing Open Handbag-Like Eu <sub>6</sub> Units. <i>European Journal of Inorganic Chemistry</i> , 2006, 2006, 4233-4236.	2.0	3
99	Synergistic extraction of lanthanum(III) from chloride medium by mixtures of 1-phenyl-3-methyl-4-benzoyl-pyrazalone-5 and triisobutylphosphine sulphide. <i>Analytica Chimica Acta</i> , 2003, 477, 251-256.	5.4	33
100	THREE-PHASE EXTRACTION STUDY OF CYANEX 923-n-HEPTANE/Ce <sup>4+</sup> -H <sub>2</sub> SO <sub>4</sub> SYSTEM. <i>Solvent Extraction and Ion Exchange</i> , 2002, 20, 251-262.	2.0	10
101	Kinetics of Cerium(IV) Extraction from H <sub>2</sub> SO <sub>4</sub> -HF Medium with Cyanex 923. <i>Talanta</i> , 2002, 56, 613-618.	5.5	56
102	Three-phase extraction study of cyanex 923-n-heptane/H <sub>2</sub> SO <sub>4</sub> system. <i>Talanta</i> , 2002, 57, 1085-1092.	5.5	22
103	SOLVENT EXTRACTION OF CERIUM(IV) AND FLUORINE(I) FROM SULPHURIC ACID LEACHING OF BASTNASITE BY CYANEX 923. <i>Solvent Extraction and Ion Exchange</i> , 2001, 19, 243-259.	2.0	65