

Xiao-Juan Yang

List of Publications by Year in descending order

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90
papers

3,473
citations

117625

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155660

55
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95
all docs

95
docs citations

95
times ranked

2526
citing authors

#	ARTICLE	IF	CITATIONS
1	Sulfate ion encapsulation in caged supramolecular structures assembled by second-sphere coordination. <i>Chemical Communications</i> , 2008, , 1762.	4.1	167
2	Highly Efficient Extraction of Sulfate Ions with a Tripodal Hexaurea Receptor. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 486-490.	13.8	166
3	Anion-Coordination-Induced Turn-On Fluorescence of an Oligo-urea-Functionalized Tetraphenylethene in a Wide Concentration Range. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6632-6636.	13.8	155
4	Anion coordination chemistry: From recognition to supramolecular assembly. <i>Coordination Chemistry Reviews</i> , 2019, 378, 415-444.	18.8	141
5	Magnesium-Magnesium Bond Stabilized by a Doubly Reduced β -Diimine: Synthesis and Structure of $[K(THF)_3]_2[Mg_2(L)(L')]$ ($L = [1,10]$). <i>Journal of the American Chemical Society</i> , 2009, 131, 4210-4211.	13.7	111
6	A fully complementary, high-affinity receptor for phosphate and sulfate based on an acyclic tris(urea) scaffold. <i>Chemical Communications</i> , 2010, 46, 5376.	4.1	109
7	A Triple Anion Helicate Assembled from a Bis(biurea) Ligand and Phosphate Ions. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5721-5724.	13.8	105
8	A new zinc-zinc-bonded compound with a dianionic β -diimine ligand: synthesis and structure of $[Na(THF)_2]_2 \cdot [Zn_2(L)(L')]$ ($L = [2,6\text{-}iPr_2C_6H_3]N(Me)C[2,2]$). <i>Chemical Communications</i> , 2007, , 2363-2365.	4.1	97
9	Tetrahedral Anion Cage: Self-Assembly of a $(PO_4)_4L_4$ Complex from a Tris(biurea) Ligand. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5096-5100.	13.8	87
10	Encapsulation of Halocarbons in a Tetrahedral Anion Cage. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 8658-8661.	13.8	81
11	Air- and Light-Stable P_4 and As_4 within an Anion-Coordination-Based Tetrahedral Cage. <i>Journal of the American Chemical Society</i> , 2017, 139, 5946-5951.	13.7	80
12	Anion-Dependent Formation of Helicates versus Mesocates of Triple-Stranded M_2L_3 ($M = Fe^{2+}, Cu^{2+}$) Complexes. <i>Inorganic Chemistry</i> , 2012, 51, 179-187.	4.0	78
13	Peripheral Templation-Modulated Interconversion between an A_4L_6 Tetrahedral Anion Cage and A_2L_3 Triple Helicate with Guest Capture/Release. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 1851-1855.	13.8	76
14	Anion recognition by oligo-(thio)urea-based receptors. <i>Chemical Communications</i> , 2016, 52, 9614-9627.	4.1	75
15	Mechanistic Insight into the Ni $\frac{3}{4}$ N Bond Cleavage of Azo-Compounds that was Induced by an Al $\frac{1}{2}$ Al-Bonded Compound $[L^{2+}]_2[Al^{II}]_2[Al^{II}]_2[L^{2+}]$. <i>Chemistry - A European Journal</i> , 2012, 18, 6022-6030.	3.3	69
16	Tetraureas versus Triureas in Sulfate Binding. <i>Organic Letters</i> , 2010, 12, 5612-5615.	4.6	60
17	Controlling the Recognition and Reactivity of Alkyl Ammonium Guests Using an Anion Coordination-Based Tetrahedral Cage. <i>Journal of the American Chemical Society</i> , 2018, 140, 5248-5256.	13.7	60
18	Anion-coordination-directed self-assemblies. <i>Organic Chemistry Frontiers</i> , 2018, 5, 662-690.	4.5	57

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19	Dinuclear versus Mononuclear Zinc Compounds from Reduction of LZnCl ₂ (L = $\hat{\pm}$ -Diimine Ligands): Effects of the Ligand Substituent, Reducing Agent, and Solvent. <i>Organometallics</i> , 2008, 27, 5800-5805.	2.3	56
20	Selective binding of choline by a phosphate-coordination-based triple helicate featuring an aromatic box. <i>Nature Communications</i> , 2017, 8, 938.	12.8	56
21	Synthesis and Reactivity of Nickel Hydride Complexes of an $\hat{\pm}$ -Diimine Ligand. <i>Inorganic Chemistry</i> , 2012, 51, 13162-13170.	4.0	53
22	Site-Selective Binding of Peripheral Chiral Guests Induces Stereospecificity in A ₄ L ₆ Tetrahedral Anion Cages. <i>Journal of the American Chemical Society</i> , 2020, 142, 6304-6311.	13.7	53
23	Synthesis and Structure of a Zinc \cdots Zinc-Bonded Compound with a Monoanionic $\hat{\pm}$ -Diimine Ligand, [LZn \cdots ZnL] (L = [(2,6-iPr ₂ C ₆ H ₃)NC(Me)] ₂ $\hat{\pm}$). <i>Organometallics</i> , 2009, 28, 5270-5272.	2.3	49
24	Activation of alkynes by an $\hat{\pm}$ -diimine-stabilized Al \cdots Al-bonded compound: insertion into the Al \cdots Al bond or cycloaddition to AlN ₂ C ₂ rings. <i>Chemical Communications</i> , 2013, 49, 4546.	4.1	49
25	Zinc compounds with or without Zn \cdots Zn bond: Alkali metal reduction of LZnCl ₂ (L = $\hat{\pm}$ -diimine ligands). <i>Dalton Transactions</i> , 2009, , 5773.	3.3	45
26	Chirality sensing of choline derivatives by a triple anion helicate cage through induced circular dichroism. <i>Chemical Communications</i> , 2018, 54, 7378-7381.	4.1	45
27	Chloride Coordination by Oligoureas: From Mononuclear Crescents to Dinuclear Foldamers. <i>Organic Letters</i> , 2012, 14, 684-687.	4.6	44
28	Sodium and Magnesium Complexes with Dianionic $\hat{\pm}$ -Diimine Ligands. <i>Organometallics</i> , 2008, 27, 5830-5835.	2.3	43
29	Reactivity of Dialumane and α -Dialumene \cdots Compounds toward Alkenes. <i>Chemistry - A European Journal</i> , 2013, 19, 12059-12066.	3.3	40
30	Ligand \cdots for Ga \cdots Ga Bond. <i>Inorganic Chemistry</i> , 2016, 55, 9047-9056.	4.0	40
31	Peripheral Templation \cdots Modulated Interconversion between an A ₄ L ₆ Tetrahedral Anion Cage and A ₂ L ₃ Triple Helicate with Guest Capture/Release. <i>Angewandte Chemie</i> , 2018, 130, 1869-1873.	2.0	40
32	Cycloaddition versus Cleavage of the C=S Bond of Isothiocyanates Promoted by Digallane Compounds with Noninnocent $\hat{\pm}$ -Diimine Ligands. <i>Chemistry - A European Journal</i> , 2018, 24, 14994-15002.	3.3	39
33	Wogonin attenuates liver fibrosis via regulating hepatic stellate cell activation and apoptosis. <i>International Immunopharmacology</i> , 2019, 75, 105671.	3.8	37
34	Multiple Transformations among Anion-based A ₂ L ₃ Assemblies: Bicapped Trigonal Antiprism A ₈ L ₁₂ , Tetrahedron A ₄ L ₆ , and Triple Helicate A ₂ L ₃ (A = Anion). <i>Journal of the American Chemical Society</i> , 2020, 142, 21160-21168.	13.7	36
35	Gallium \cdots for C=N and C=O Bonds of Isocyanates. <i>Chemistry - A European Journal</i> , 2019, 25, 8259-8267.	3.3	33
36	Calcium Complexes of Noninnocent $\hat{\pm}$ -Diimine Ligands. <i>Organometallics</i> , 2011, 30, 1599-1606.	2.3	32

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37	Reductive linear- and cyclo-trimerization of isocyanides using an Al-bonded compound. <i>Chemical Communications</i> , 2019, 55, 9452-9455.	4.1	30
38	Main-group metal complexes of λ^2 -diimine ligands: structure, bonding and reactivity. <i>Dalton Transactions</i> , 2021, 50, 13634-13650.	3.3	30
39	Stepwise Encapsulation of Sulfate Ions by Ferrocenyl-Functionalized Tripodal Hexaurea Receptors. <i>Chemistry - A European Journal</i> , 2013, 19, 9034-9041.	3.3	29
40	Syntheses and Structures of Magnesium Complexes with Reduced λ^2 -Diimine Ligands. <i>Organometallics</i> , 2011, 30, 6071-6077.	2.3	28
41	Reactions of λ^2 -Diimine-Stabilized Zn-Bonded Compounds with Phenylacetylene. <i>Organometallics</i> , 2012, 31, 2978-2985.	2.3	28
42	Alkali metal compounds of a gallium(I) carbene analogue $\{:\text{Ga}[\text{N}(\text{Ar})\text{C}(\text{Me})_2]\}$ (Ar=2,6-iPr ₂ C ₆ H ₃). <i>Journal of Organometallic Chemistry</i> , 2011, 696, 1450-1455.	1.8	25
43	The Effect of the Spacer of Bis(biurea) Ligands on the Structure of $\text{A}_{2\text{L}}\text{L}_3$ -type (A=anion) Phosphate Complexes. <i>Chemistry - A European Journal</i> , 2015, 21, 2588-2593.	3.3	25
44	Distinct Stepwise Reduction of a Nickel-Bonded Compound Containing an λ^2 -Diimine Ligand: From Perpendicular to Coaxial Structures. <i>Chemistry - A European Journal</i> , 2013, 19, 15240-15247.	3.3	24
45	Fine-Tuning the Spring-Like Motion of an Anion-Based Triple Helicate by Tetraalkylammonium Guests. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9389-9394.	13.8	24
46	Sandwich phosphate complexes of macrocyclic tris(urea) ligands and their rotation around the anion. <i>Chemical Communications</i> , 2016, 52, 7310-7313.	4.1	23
47	Multinuclear Alkali Metal Complexes of a Triphenylene-Based Hexamine and the Transmetalation to Tris(N-heterocyclic tetrylenes) (Ge, Sn, Pb). <i>Inorganic Chemistry</i> , 2016, 55, 9112-9120.	4.0	23
48	Activation of Nitrogen-Rich Substrates by Low-Valent, Redox-Active Aluminum Species. <i>Organometallics</i> , 2021, 40, 490-499.	2.3	22
49	Nickel Complexes with Two Types of Noninnocent Ligands: λ^2 -Diimine and Phenazine. <i>Organometallics</i> , 2013, 32, 2866-2869.	2.3	20
50	Light-Triggered High-Affinity Binding of Tetramethylammonium over Potassium Ions by [18]crown-6 in a Tetrahedral Anion Cage. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	20
51	Ion-pair induced self-assembly of molecular barrels with encapsulated tetraalkylammonium cations based on a bis-trisurea stave. <i>Chemical Communications</i> , 2012, 48, 3097.	4.1	19
52	A bis-bisurea receptor with the R,R-cyclohexane-1,2-diamino spacer for phosphate and sulfate ions. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 8758.	2.8	19
53	Gallium complexes with λ^2 -diimine and phenazine in various reduced states. <i>Chemical Communications</i> , 2015, 51, 1237-1239.	4.1	19
54	Reactions of λ^2 -diimine-aluminum complexes with sodium alkynides: versatile structures of aluminum λ^2 -alkynide complexes. <i>Dalton Transactions</i> , 2015, 44, 13671-13680.	3.3	19

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55	Construction and interconversion of anion-coordination-based (anion TM) grids and double helicates modulated by counter-cations. <i>Chemical Science</i> , 2019, 10, 6278-6284.	7.4	19
56	Transformation of carbodiimides to guanidine derivatives facilitated by gallylenes. <i>Chemical Communications</i> , 2020, 56, 7475-7478.	4.1	19
57	Binuclear Alkaline Earth Metal Compounds (Be, Mg, Ca, Sr, Ba) with $\hat{\pm}$ -Diimine Ligands: A Computational Study. <i>Organometallics</i> , 2011, 30, 3113-3118.	2.3	18
58	Synthesis and Characterization of Cobalt Complexes with Radical Anionic $\hat{\pm}$ -Diimine Ligands. <i>Organometallics</i> , 2013, 32, 6945-6949.	2.3	18
59	A Hydrogen-Bonded Ravel Assembled by Anion Coordination. <i>Angewandte Chemie - International Edition</i> , 2022, 61, e202115042.	13.8	18
60	Mg ²⁺ -Mg-bonded compounds with <i>N,N</i> - δ^2 -dipp-substituted phenanthrene-diamido and <i>o,o</i> -phenylene-diamino ligands. <i>Dalton Transactions</i> , 2019, 48, 2295-2299.	3.3	17
61	Stabilization of Grignard reagents by a pillar[5]arene host – Schlenk equilibria and Grignard reactions. <i>Chemical Communications</i> , 2020, 56, 1381-1384.	4.1	16
62	Reactions of Iso(thio)cyanates with Dialanes: Cycloaddition, Reductive Coupling, or Cleavage of the C-S or C-O Bond. <i>Inorganic Chemistry</i> , 2021, 60, 14602-14612.	4.0	16
63	Noninnocent ligands: heteroleptic nickel complexes with $\hat{\pm}$ -diimine and 1,2-diketone derivatives. <i>Dalton Transactions</i> , 2017, 46, 7857-7865.	3.3	15
64	Chirality transcription in the anion-coordination-driven assembly of tetrahedral cages. <i>Chemical Communications</i> , 2020, 56, 2475-2478.	4.1	15
65	<i>N,N</i> , <i>o,o</i> - δ^2 -Dipp- <i>o,o</i> -phenylene-diamido Dianion: A Versatile Ligand for Main Group Metal-Bonded Compounds. <i>Organometallics</i> , 2020, 39, 1440-1447.	2.3	15
66	Hierarchical Self-Assembly of Adhesive and Conductive Gels with Anion-Coordinated Triple Helicate Junctions. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	15
67	Reactions of Dianionic $\hat{\pm}$ -Diimine-Supported Dimagnesium(I) Compound [K(THF) ₃] ₂ [LMg ⁺ Mg] with Nitriles. <i>Organometallics</i> , 2019, 38, 2674-2682.	2.3	14
68	Mono- and Dinuclear Heteroleptic Cobalt Complexes with $\hat{\pm}$ -Diimine and Polyarene Ligands. <i>Chemistry - A European Journal</i> , 2015, 21, 13302-13310.	3.3	13
69	Narcissistic self-sorting in anion-coordination-driven assemblies. <i>Chemical Communications</i> , 2021, 57, 6078-6081.	4.1	13
70	From anion complexes to anion coordination polymers (ACPs): assembly with a 1,5-naphthylene bridged bis-bisurea ligand. <i>CrystEngComm</i> , 2013, 15, 4540.	2.6	12
71	Cyclotrimerization of alkynes catalyzed by a self-supported cyclic tri-nuclear nickel(0) complex with $\hat{\pm}$ -diimine ligands. <i>Dalton Transactions</i> , 2019, 48, 4643-4649.	3.3	12
72	Dinuclear Chloride-Binding Foldamers Based on Fluorescent Oligoureas. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3446-3454.	2.4	11

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73	Quaternary Cocrystals Based on Halide-Binding Foldamers through Both Hydrogen and Halogen Bonding. <i>Crystal Growth and Design</i> , 2021, 21, 2837-2843.	3.0	11
74	Î±-Diimine nickel complexes of ethylene and related alkenes. <i>Dalton Transactions</i> , 2015, 44, 16228-16232.	3.3	10
75	Reactivity of Aluminum Complexes of Redox-Active Ligand toward N-Heterocyclic Carbene and Its Thione. <i>Organometallics</i> , 2020, 39, 66-73.	2.3	9
76	Anion-coordination-driven singleâ€“double helix switching and chiroptical molecular switching based on oligoureas. <i>Chemical Science</i> , 2022, 13, 4915-4921.	7.4	8
77	Reduction of carbodiimides by a dialumane through insertion and cycloaddition. <i>Chemical Communications</i> , 2020, 56, 6352-6355.	4.1	7
78	Acidâ€“Tolerant Sulfate Tetrahedral Cages from Anionâ€“Coordinationâ€“Driven Assembly. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	7
79	A Hydrogenâ€“Bonded Ravel Assembled by Anion Coordination. <i>Angewandte Chemie</i> , 2022, 134, .	2.0	7
80	Anion-Coordination-Driven Assembly of Chiral Quadruple and Single Helices Controlled by Counteranions. <i>Crystal Growth and Design</i> , 2019, 19, 6527-6533.	3.0	6
81	Selective recognition of choline phosphate by tripodal hexa-urea receptors with dual binding sites: crystal and solution evidence. <i>Chemical Science</i> , 2019, 10, 2483-2488.	7.4	6
82	Organometallo-macrocyclic assembly through dialumane-mediated Câ€“H activation of pyridines. <i>Chemical Communications</i> , 2021, 57, 6268-6271.	4.1	6
83	Stepwise enhancement of fluorescence induced by anion coordination and non-covalent interactions. <i>Dalton Transactions</i> , 2021, 50, 76-80.	3.3	5
84	Reversible [4 + 2] Photooxygenation in Anion-Coordination-Driven-Assembled A₂L₂-Type Complexes. <i>Inorganic Chemistry</i> , 2022, 61, 2198-2203.	4.0	5
85	Hierarchical Selfâ€“Assembly of Adhesive and Conductive Gels with Anionâ€“Coordinated Triple Helicate Junctions. <i>Angewandte Chemie</i> , 0, , .	2.0	5
86	Synthesis and Structures of Monoâ€“and Dinuclear Molybdenum Complexes with Reduced Î±â€“Diimine Ligands. <i>European Journal of Inorganic Chemistry</i> , 2016, 2016, 5411-5417.	2.0	4
87	Anionâ€“Coordinationâ€“Assisted Assembly of Supramolecular Chargeâ€“Transfer Complexes Based on Tris(urea) Ligands. <i>Chemistry - A European Journal</i> , 2020, 26, 1414-1421.	3.3	4
88	Modular Synthesis of Tetraurea and Octaurea Macrocycles Encoded with Specific Monomer Sequences. <i>CCS Chemistry</i> , 2022, 4, 2498-2507.	7.8	4
89	Assembly of metallo-macrocycles through reductive Câ€“C coupling of alkylnitriles by an Mgâ€“Mg-bonded compound. <i>Dalton Transactions</i> , 2022, 51, 4394-4399.	3.3	4
90	InnenrÃ¼cktitelbild: Hierarchical Selfâ€“Assembly of Adhesive and Conductive Gels with Anionâ€“Coordinated Triple Helicate Junctions (<i>Angew. Chem.</i> 22/2022). <i>Angewandte Chemie</i> , 2022, 134, .	2.0	0