Kai Wu

List of Publications by Year
in descending order

38 papers	2,413 citations	304368 22 h-index	329751 37 g-index
40 all docs	40 docs citations	40 times ranked	2739 citing authors

#	Article	IF	Citations
1	Ultrafast water sensing and thermal imaging by a metal-organic framework with switchable luminescence. Nature Communications, 2017, 8, 15985.	5.8	373
2	Chiral metalâ€“organic cages/containers (MOCs): From structural and stereochemical design to applications. Coordination Chemistry Reviews, 2019, 378, 333-349.	9.5	238
3	Homochiral D4-symmetric metalâ€“organic cages from stereogenic Ru(II) metalloligands for effective enantioseparation of atropisomeric molecules. Nature Communications, 2016, 7, 10487.	5.8	214
4	Epitaxial Growth of Heteroâ€Lnâ€MOF Hierarchical Single Crystals for Domainâ€•and Orientationâ€Controlled Multicolor Luminescence 3D Coding Capability. Angewandte Chemie - International Edition, 2017, 56, 14582-14586.	7.2	206
5	Regioâ€•and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. Angewandte Chemie - International Edition, 2017, 56, 3852-3856.	7.2	162
6	Pure white-light and yellow-to-blue emission tuning in single crystals of Dy(<scp>iii</scp>) metalâ€“organic frameworks. Chemical Communications, 2014, 50, 7702-7704.	2.2	146
7	Tailoring exciton and excimer emission in an exfoliated ultrathin 2D metal-organic framework. Nature Communications, 2018, 9, 2401.	5.8	129
8	Design and Enantioresolution of Homochiral Fe(II)â€“Pd(II) Coordination Cages from Stereolabile Metalloligands: Stereochemical Stability and Enantioselective Separation. Journal of the American Chemical Society, 2018, 140, 18183-18191.	6.6	102
9	The Redox Coupling Effect in a Photocatalytic Ru^{II}â€Pd^{II} Cage with TTF Guest as Electron Relay Mediator for Visibleâ€Light Hydrogenâ€Evolving Promotion. Angewandte Chemie - International Edition, 2020, 59, 2639-2643.	7.2	80
10	Direct white-light and a dual-channel barcode module from Pr(<scp>iii</scp>)-MOF crystals. Chemical Communications, 2015, 51, 12533-12536.	2.2	78
11	Visualization of Anisotropic and Stepwise Piezofluorochromism in an MOF Single Crystal. CheM, 2018, 4, 2658-2669.	5.8	65
12	Cage-confined photocatalysis for wide-scope unusually selective [2â€‰+â€‰2] cycloaddition through visible-light triplet sensitization. Nature Communications, 2020, 11, 4675.	5.8	63
13	A naked eye colorimetric sensor for alcohol vapor discrimination and amplified spontaneous emission (ASE) from a highly fluorescent excited-state intramolecular proton transfer (ESIPT) molecule. Journal of Materials Chemistry C, 2016, 4, 6962-6966.	2.7	50
14	Guestâ€Modulated Circularly Polarized Luminescence by Ligandâ€toâ€Ligand Chirality Transfer in Heteroleptic Pd^{II} Coordination Cages. Angewandte Chemie - International Edition, 2022, 61, .	7.2	47
15	Backboneâ€Bridging Promotes Diversity in Heteroleptic Cages. Angewandte Chemie - International Edition, 2021, 60, 6403-6407.	7.2	44
16	Regioâ€•and Enantioselective Photodimerization within the Confined Space of a Homochiral Ruthenium/Palladium Heterometallic Coordination Cage. Angewandte Chemie, 2017, 129, 3910-3914.	1.6	42
17	Creating Dynamic Nanospaces in Solution by Cationic Cages as Multirole Catalytic Platform for Unconventional C(sp)â^H Activation Beyond Enzyme Mimics. Angewandte Chemie - International Edition, 2022, 61, .	7.2	42
18	Epitaxial Growth of Heteroâ€Lnâ€MOF Hierarchical Single Crystals for Domainâ€•and Orientationâ€Controlled Multicolor Luminescence 3D Coding Capability. Angewandte Chemie, 2017, 129, 14774-14778.	1.6	38

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19	Semidirected versus holodirected coordination and single-component white light luminescence in Pb(<scp>ii</scp>) complexes. New Journal of Chemistry, 2015, 39, 5287-5292.	1.4	36
20	Cooperativity of steric bulk and H-bonding in coordination sphere engineering: heteroleptic Pd^{II} cages and bowls by design. Chemical Science, 2022, 13, 1829-1834.	3.7	28
21	Acidic open-cage solution containing basic cage-confined nanospaces for multipurpose catalysis. National Science Review, 2022, 9, .	4.6	24
22	Photoluminescence and white-light emission in two series of heteronuclear Pb(<scp>ii</scp>)â€“Ln(<scp>iii</scp>) complexes. New Journal of Chemistry, 2015, 39, 3770-3776.	1.4	23
23	Linear and nonlinear optical properties of Lnâ€“Zn heteronuclear complexes from a Schiff base ligand containing 8-hydroxyquinoline moiety. Inorganic Chemistry Communication, 2014, 47, 13-16.	1.8	22
24	Assembly of Binuclear, Tetranuclear, and Multinuclear Complexes from Pincer-Like Mononuclear Metallotectons: Structural Diversity Dependent on Precursors. Crystal Growth and Design, 2015, 15, 625-634.	1.4	22
25	The Redox Coupling Effect in a Photocatalytic Ru II â€Pd II Cage with TTF Guest as Electron Relay Mediator for Visibleâ€Light Hydrogenâ€Evolving Promotion. Angewandte Chemie, 2020, 132, 2661-2665.	1.6	21
26	Elucidating Anionâ€Dependent Formation and Conversion of Pd₂L₄ and Pd₃L₆ Metalâ€“Organic Cages by Complementary Techniques. European Journal of Inorganic Chemistry, 2018, 2018, 80-85.	1.0	20
27	Structural transition between a (4,4)-net and a CdI2-net in Cd(II) compounds and conversion from a mixture to a pure substance. Inorganic Chemistry Communication, 2015, 55, 116-119.	1.8	19
28	One-/Two-Photon Excited Cell Membrane Imaging and Tracking by a Photoactive Nanocage. ACS Applied Materials & Interfaces, 2020, 12, 35873-35881.	4.0	15
29	RÃ¼ckgratâ€verknÃ¼pfte Liganden erhÃ¶hen die Vielfalt in heteroleptischen KoordinationskÃfigen. Angewandte Chemie, 2021, 133, 6473-6478.	1.6	14
30	Redoxâ€Guestâ€Induced Multimode Photoluminescence Switch for Sequential Logic Gates in a Photoactive Coordination Cage. Chemistry - A European Journal, 2019, 25, 11903-11909.	1.7	13
31	Circular dichroism enhancement by the coordination of different metal ions with a pair of chiral tripodal ligands. Inorganic Chemistry Communication, 2015, 54, 92-95.	1.8	11
32	Creating Dynamic Nanospaces in Solution by Cationic Cages as Multirole Catalytic Platform for Unconventional C(sp)â^'H Activation Beyond Enzyme Mimics. Angewandte Chemie, 2022, 134, e202114070.	1.6	8
33	Gastâ€modulierte Zirkular Polarisierte Lumineszenz via Ligandâ€zuâ€Ligand ChiralitÃtstransfer in Heteroleptischen Pd^{II} KÃfigen. Angewandte Chemie, 2022, 134, .	1.6	6
34	Cage-opening supramolecular isomerism in Cu(II) complexes. Inorganic Chemistry Communication, 2017, 86, 223-226.	1.8	4
35	Dimension Increase via Hierarchical Hydrogen Bonding from Simple Pincer-like Mononuclear complexes. Chimia, 2015, 69, 670.	0.3	3
36	Frontispiece: Creating Dynamic Nanospaces in Solution by Cationic Cages as Multirole Catalytic Platform for Unconventional C(sp)â^'H Activation Beyond Enzyme Mimics. Angewandte Chemie - International Edition, 2022, 61, .	7.2	1

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37	InnenrÃ¼cktitelbild: The Redox Coupling Effect in a Photocatalytic Ru^{II}â€Pd^{II} Cage with TTF Guest as Electron Relay Mediator for Visibleâ€Light Hydrogenâ€Evolving Promotion (Angew.) Tj ETQq1 1 0.784314 rgBT /Ov	1.6	0
38	Frontispiz: Creating Dynamic Nanospaces in Solution by Cationic Cages as Multirole Catalytic Platform for Unconventional C(sp)â^'H Activation Beyond Enzyme Mimics. Angewandte Chemie, 2022, 134, e202280562.	1.6	0