

Chunhua T Hu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6306187/publications.pdf>

Version: 2024-02-01

74
papers

2,866
citations

172457

29
h-index

182427

51
g-index

80
all docs

80
docs citations

80
times ranked

4235
citing authors

#	ARTICLE	IF	CITATIONS
1	Supramolecular Archimedean Cages Assembled with 72 Hydrogen Bonds. <i>Science</i> , 2011, 333, 436-440.	12.6	268
2	Polymeric peptide pigments with sequence-encoded properties. <i>Science</i> , 2017, 356, 1064-1068.	12.6	244
3	Highly tunable metal-organic frameworks with open metal centers. <i>CrystEngComm</i> , 2009, 11, 553-555.	2.6	197
4	Mechanistic Characterization of (Xantphos)Ni(I)-Mediated Alkyl Bromide Activation: Oxidative Addition, Electron Transfer, or Halogen-Atom Abstraction. <i>Journal of the American Chemical Society</i> , 2019, 141, 1788-1796.	13.7	123
5	Discrete {Ni ₄₀ } Coordination Cage: A Calixarene-Based Johnson-Type (₁₇) Hexadecahedron. <i>Journal of the American Chemical Society</i> , 2016, 138, 2969-2972.	13.7	108
6	<i>p</i>-SCN-Bn-HOPO: A Superior Bifunctional Chelator for ⁸⁹Zr ImmunoPET. <i>Bioconjugate Chemistry</i> , 2015, 26, 2579-2591.	3.6	104
7	Catalytic Carbonylative Spirolactonization of Hydroxycyclopropanols. <i>Journal of the American Chemical Society</i> , 2016, 138, 10693-10699.	13.7	97
8	Guest Exchange through Single Crystal Single Crystal Transformations in a Flexible Hydrogen-Bonded Framework. <i>Journal of the American Chemical Society</i> , 2014, 136, 14200-14206.	13.7	93
9	Cyclometalated Iminophosphorane Gold(III) and Platinum(II) Complexes. A Highly Permeable Cationic Platinum(II) Compound with Promising Anticancer Properties. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 5825-5841.	6.4	88
10	A Supramolecular Ice Growth Inhibitor. <i>Journal of the American Chemical Society</i> , 2016, 138, 13396-13401.	13.7	83
11	The Third Ambient Aspirin Polymorph. <i>Crystal Growth and Design</i> , 2017, 17, 3562-3566.	3.0	73
12	Bimetallic C-C Bond-Forming Reductive Elimination from Nickel. <i>Journal of the American Chemical Society</i> , 2016, 138, 4779-4786.	13.7	70
13	Hydrogen-bonded frameworks for molecular structure determination. <i>Nature Communications</i> , 2019, 10, 4477.	12.8	64
14	Melt Crystallization for Paracetamol Polymorphism. <i>Crystal Growth and Design</i> , 2019, 19, 4070-4080.	3.0	64
15	Regulating the Architectures of Hydrogen-Bonded Frameworks through Topological Enforcement. <i>Journal of the American Chemical Society</i> , 2015, 137, 3386-3392.	13.7	49
16	Stereochemical Control of Polymorph Transitions in Nanoscale Reactors. <i>Journal of the American Chemical Society</i> , 2013, 135, 2144-2147.	13.7	48
17	DDT Polymorphism and the Lethality of Crystal Forms. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10165-10169.	13.8	46
18	Mechanistic insights of evaporation-induced actuation in supramolecular crystals. <i>Nature Materials</i> , 2021, 20, 403-409.	27.5	44

#	ARTICLE	IF	CITATIONS
19	Binuclear, High-Valent Nickel Complexes: Ni ^{II} -Ni Bonds in Aryl-Halogen Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3635-3639.	13.8	42
20	Redox Activity of Pyridine-Oxazoline Ligands in the Stabilization of Low-Valent Organonickel Radical Complexes. <i>Journal of the American Chemical Society</i> , 2021, 143, 5295-5300.	13.7	41
21	N ³ -N Bond Forming Reductive Elimination via a Mixed-Valent Nickel(II)-Nickel(III) Intermediate. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 7534-7538.	13.8	37
22	Insertion of CO ₂ Mediated by a (Xantphos)Ni ^I -Alkyl Species. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13865-13868.	13.8	37
23	A deltamethrin crystal polymorph for more effective malaria control. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 26633-26638.	7.1	36
24	Non-Topotactic Phase Transformations in Single Crystals of β -Glycine. <i>Crystal Growth and Design</i> , 2015, 15, 2568-2573.	3.0	35
25	The Structure of Glycine Dihydrate: Implications for the Crystallization of Glycine from Solution and Its Structure in Outer Space. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 2030-2034.	13.8	35
26	Encapsulation of Isolated Luminophores within Supramolecular Cages. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14003-14006.	13.8	35
27	Guest Exchange through Facilitated Transport in a Seemingly Impenetrable Hydrogen-Bonded Framework. <i>Journal of the American Chemical Society</i> , 2018, 140, 12915-12921.	13.7	35
28	Reactivity of (bi-Oxazoline)organonickel Complexes and Revision of a Catalytic Mechanism. <i>Journal of the American Chemical Society</i> , 2021, 143, 14458-14463.	13.7	34
29	4.8 nm Concave {M ₇₂ } (M=Co, Ni, Fe) metal-organic polyhedra capped by 18 calixarenes. <i>Science China Chemistry</i> , 2021, 64, 426-431.	8.2	33
30	An Interdigitated Metalloporphyrin Framework: Two-Dimensional Tessellation, Framework Flexibility, and Selective Guest Accommodation. <i>Crystal Growth and Design</i> , 2010, 10, 171-176.	3.0	32
31	Malic acid crystallization: polymorphism, semi-spherulites, twisting, and polarity. <i>CrystEngComm</i> , 2018, 20, 1383-1389.	2.6	32
32	Imidacloprid Crystal Polymorphs for Disease Vector Control and Pollinator Protection. <i>Journal of the American Chemical Society</i> , 2021, 143, 17144-17152.	13.7	27
33	Uncatalyzed Carboboration of Seven-Membered-Ring <i>trans</i> -Alkenes: Formation of Air-Stable Trialkylboranes. <i>Journal of the American Chemical Society</i> , 2017, 139, 8404-8407.	13.7	26
34	Manipulating Solid Forms of Contact Insecticides for Infectious Disease Prevention. <i>Journal of the American Chemical Society</i> , 2019, 141, 16858-16864.	13.7	26
35	Discovery of new polymorphs of the tuberculosis drug isoniazid. <i>CrystEngComm</i> , 2020, 22, 2705-2708.	2.6	26
36	Structural Characterization of β -Agostic Bonds in Pd-Catalyzed Polymerization. <i>Organometallics</i> , 2017, 36, 4099-4102.	2.3	21

#	ARTICLE	IF	CITATIONS
37	DDT Polymorphism and the Lethality of Crystal Forms. <i>Angewandte Chemie</i> , 2017, 129, 10299-10303.	2.0	21
38	A Versatile Bis-allylboron Reagent for the Stereoselective Synthesis of Chiral Diols. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 14276-14280.	13.8	21
39	Isolation and Stabilization of a Pheromone in Crystalline Molecular Capsules. <i>Crystal Growth and Design</i> , 2013, 13, 3197-3200.	3.0	20
40	Directing Solution-Phase Nucleation To Form Organic Semiconductor Vertical Crystal Arrays. <i>Crystal Growth and Design</i> , 2019, 19, 3461-3468.	3.0	20
41	Transport in Twisted Crystalline Charge Transfer Complexes. <i>Chemistry of Materials</i> , 2022, 34, 1778-1788.	6.7	19
42	Structure and Reactivity of an Isolable Seven-membered Ring <i>trans</i> -alkene. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 4295-4298.	13.8	18
43	Inverse Correlation between Lethality and Thermodynamic Stability of Contact Insecticide Polymorphs. <i>Crystal Growth and Design</i> , 2019, 19, 1839-1844.	3.0	18
44	Potentiating bisphosphonate-based coordination complexes to treat osteolytic metastases. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2155-2168.	5.8	17
45	Biomimetic caged platinum catalyst for hydrosilylation reaction with high site selectivity. <i>Nature Communications</i> , 2021, 12, 64.	12.8	16
46	Highly Polymorphous Nicotinamide and Isonicotinamide: Solution versus Melt Crystallization. <i>Crystal Growth and Design</i> , 2021, 21, 4713-4724.	3.0	16
47	Structural and spectroscopic insight into the metal binding properties of the <i>o</i> -aminophenol- <i>N,N,O</i> -triacetic acid (APTRA) chelator: implications for design of metal indicators. <i>Dalton Transactions</i> , 2016, 45, 12458-12464.	3.3	14
48	The Structure of Glycine Dihydrate: Implications for the Crystallization of Glycine from Solution and Its Structure in Outer Space. <i>Angewandte Chemie</i> , 2017, 129, 2062-2066.	2.0	14
49	Binuclear, High-valent Nickel Complexes: Ni ^{II} -Ni Bonds in Aryl-Halogen Bond Formation. <i>Angewandte Chemie</i> , 2017, 129, 3689-3693.	2.0	13
50	Redox-configurable ambidextrous catalysis: structural and mechanistic insight. <i>Chemical Science</i> , 2015, 6, 5904-5912.	7.4	11
51	Dendritic Growth of Glycine from Nonphotochemical Laser-Induced Nucleation of Supersaturated Aqueous Solutions in Agarose Gels. <i>Crystal Growth and Design</i> , 2018, 18, 5927-5933.	3.0	11
52	Diastereoselective Additions of Allylmagnesium Reagents to $\hat{\pm}$ -Substituted Ketones When Stereochemical Models Cannot Be Used. <i>Journal of Organic Chemistry</i> , 2021, 86, 7203-7217.	3.2	11
53	Mimicry of a $\hat{\beta}$ -Hairpin Turn by a Nonpeptidic Laterally Flexible Foldamer. <i>Organic Letters</i> , 2018, 20, 3879-3882.	4.6	10
54	Heterofunctionalized CavitanDs by Macrocyclization of Sequence-Defined Foldamers. <i>Organic Letters</i> , 2019, 21, 7763-7767.	4.6	10

#	ARTICLE	IF	CITATIONS
55	N ³ -N Bond Forming Reductive Elimination via a Mixed-Valent Nickel(II)–Nickel(III) Intermediate. <i>Angewandte Chemie</i> , 2016, 128, 7660-7664.	2.0	9
56	Encapsulation of Isolated Luminophores within Supramolecular Cages. <i>Angewandte Chemie</i> , 2017, 129, 14191-14194.	2.0	8
57	Nanoscale crystallization and thermal behaviour of 1,2,4,5-tetrabromobenzene. <i>CrystEngComm</i> , 2018, 20, 636-642.	2.6	7
58	ROY confined in hydrogen-bonded frameworks: coercing conformation of a chromophore. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2378-2383.	5.9	7
59	High affinity zoledronate-based metal complex nanocrystals to potentially treat osteolytic metastases. <i>Materials Advances</i> , 2022, 3, 3251-3266.	5.4	7
60	Local atomic order in sodium <i>p</i> -chlorobenzenesulfonate monohydrate studied by pair distribution function analyses and lattice-energy minimisations. <i>Zeitschrift für Kristallographie</i> , 2012, 227, 113-121.	1.1	6
61	An alternative synthesis and X-ray crystallographic confirmation of (E)-stepholidine. <i>Tetrahedron Letters</i> , 2016, 57, 2090-2092.	1.4	6
62	Hyperconjugative Interactions of the Carbon–Halogen Bond that Influence the Geometry of Cyclic α -Haloacetals. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	6
63	Encapsulation of the [Ru(bpy) ₃] ²⁺ luminophore in a unique hydrogen-bonded host framework. <i>CrystEngComm</i> , 2020, 22, 3749-3752.	2.6	5
64	Conformationally Biased Ketones React Diastereoselectively with Allylmagnesium Halides. <i>Journal of Organic Chemistry</i> , 2022, 87, 3042-3065.	3.2	5
65	Ambient <i>l</i> -lactic acid crystal polymorphism. <i>CrystEngComm</i> , 2021, 23, 2644-2647.	2.6	4
66	Elaborate Supramolecular Architectures Formed by Co-Assembly of Metal Species and Peptoid Macrocycles. <i>Crystal Growth and Design</i> , 2021, 21, 3889-3901.	3.0	4
67	Crystallography of Contemporary Contact Insecticides. <i>Insects</i> , 2022, 13, 292.	2.2	4
68	Engineered protein–iron oxide hybrid biomaterial for MRI-traceable drug encapsulation. <i>Molecular Systems Design and Engineering</i> , 2022, 7, 915-932.	3.4	4
69	Strategies for Promoting Reductive Elimination of Bi- and Bis-Oxazoline Ligated Organonickel Complexes. <i>Organometallics</i> , 2022, 41, 1748-1753.	2.3	4
70	Hyperbranched polysiloxane with highly constrained rings and the effect of the attached arms on the assembly behavior. <i>Polymer Chemistry</i> , 2017, 8, 6490-6495.	3.9	3
71	Ein vielseitiges Bisallylbor-Reagenz für die stereoselektive Synthese von chiralen Diolen. <i>Angewandte Chemie</i> , 2018, 130, 14472-14476.	2.0	3
72	Insertion of CO ₂ Mediated by a (Xantphos)Ni I –Alkyl Species. <i>Angewandte Chemie</i> , 2019, 131, 14003-14006.	2.0	3

#	ARTICLE	IF	CITATIONS
73	Facile Deboronation of Someo-Carboranylamides. European Journal of Inorganic Chemistry, 2017, 2017, 4559-4567.	2.0	2
74	Titelbild: Encapsulation of Isolated Luminophores within Supramolecular Cages (Angew. Chem.) Tj ETQq0 0 0 rgBT JOverlock 10 Tf 50 70	2.0	0