

# Chunhua T Hu

## List of Publications by Year in descending order

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74  
papers

2,866  
citations

172457

29  
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182427

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80  
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80  
docs citations

80  
times ranked

4235  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transport in Twisted Crystalline Charge Transfer Complexes. <i>Chemistry of Materials</i> , 2022, 34, 1778-1788.	6.7	19
2	High affinity zoledronate-based metal complex nanocrystals to potentially treat osteolytic metastases. <i>Materials Advances</i> , 2022, 3, 3251-3266.	5.4	7
3	Conformationally Biased Ketones React Diastereoselectively with Allylmagnesium Halides. <i>Journal of Organic Chemistry</i> , 2022, 87, 3042-3065.	3.2	5
4	Crystallography of Contemporary Contact Insecticides. <i>Insects</i> , 2022, 13, 292.	2.2	4
5	Hyperconjugative Interactions of the Carbon-Halogen Bond that Influence the Geometry of Cyclic $\beta$ -Haloacetals. <i>Journal of Organic Chemistry</i> , 2022, , .	3.2	6
6	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
7	Strategies for Promoting Reductive Elimination of Bi- and Bis-Oxazoline Ligated Organonickel Complexes. <i>Organometallics</i> , 2022, 41, 1748-1753.	2.3	4
8	Mechanistic insights of evaporation-induced actuation in supramolecular crystals. <i>Nature Materials</i> , 2021, 20, 403-409.	27.5	44
9	Ambient $\alpha$ -lactic acid crystal polymorphism. <i>CrystEngComm</i> , 2021, 23, 2644-2647.	2.6	4
10	Biomimetic caged platinum catalyst for hydrosilylation reaction with high site selectivity. <i>Nature Communications</i> , 2021, 12, 64.	12.8	16
11	4.8 nm Concave $\{M72\}$ (M=Co, Ni, Fe) metal-organic polyhedra capped by 18 calixarenes. <i>Science China Chemistry</i> , 2021, 64, 426-431.	8.2	33
12	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
13	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
14	Diastereoselective Additions of Allylmagnesium Reagents to $\beta$ -Substituted Ketones When Stereochemical Models Cannot Be Used. <i>Journal of Organic Chemistry</i> , 2021, 86, 7203-7217.	3.2	11
15	Highly Polymorphous Nicotinamide and Isonicotinamide: Solution versus Melt Crystallization. <i>Crystal Growth and Design</i> , 2021, 21, 4713-4724.	3.0	16
16	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
17	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
18	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

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19	ROY confined in hydrogen-bonded frameworks: coercing conformation of a chromophore. <i>Materials Chemistry Frontiers</i> , 2020, 4, 2378-2383.	5.9	7
20	Potentiating bisphosphonate-based coordination complexes to treat osteolytic metastases. <i>Journal of Materials Chemistry B</i> , 2020, 8, 2155-2168.	5.8	17
21	Discovery of new polymorphs of the tuberculosis drug isoniazid. <i>CrystEngComm</i> , 2020, 22, 2705-2708.	2.6	26
22	Encapsulation of the [Ru(bpy) <sub>3</sub> ] <sup>2+</sup> luminophore in a unique hydrogen-bonded host framework. <i>CrystEngComm</i> , 2020, 22, 3749-3752.	2.6	5
23	Insertion of CO <sub>2</sub> Mediated by a (Xantphos)Ni <sup>I</sup> Alkyl Species. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13865-13868.	13.8	37
24	Insertion of CO <sub>2</sub> Mediated by a (Xantphos)Ni <sup>I</sup> Alkyl Species. <i>Angewandte Chemie</i> , 2019, 131, 14003-14006.	2.0	3
25	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
26	Heterofunctionalized Cavitands by Macrocyclization of Sequence-Defined Foldamers. <i>Organic Letters</i> , 2019, 21, 7763-7767.	4.6	10
27	Hydrogen-bonded frameworks for molecular structure determination. <i>Nature Communications</i> , 2019, 10, 4477.	12.8	64
28	Melt Crystallization for Paracetamol Polymorphism. <i>Crystal Growth and Design</i> , 2019, 19, 4070-4080.	3.0	64
29	Directing Solution-Phase Nucleation To Form Organic Semiconductor Vertical Crystal Arrays. <i>Crystal Growth and Design</i> , 2019, 19, 3461-3468.	3.0	20
30	Inverse Correlation between Lethality and Thermodynamic Stability of Contact Insecticide Polymorphs. <i>Crystal Growth and Design</i> , 2019, 19, 1839-1844.	3.0	18
31	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
32	Malic acid crystallization: polymorphism, semi-spherulites, twisting, and polarity. <i>CrystEngComm</i> , 2018, 20, 1383-1389.	2.6	32
33	Nanoscale crystallization and thermal behaviour of 1,2,4,5-tetrabromobenzene. <i>CrystEngComm</i> , 2018, 20, 636-642.	2.6	7
34	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
35	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
36	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

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37	Ein vielseitiges Bisallylboran-Reagenz für die stereoselektive Synthese von chiralen Diolen. <i>Angewandte Chemie</i> , 2018, 130, 14472-14476.	2.0	3
38	Mimicry of a $\beta$ -Hairpin Turn by a Nonpeptidic Laterally Flexible Foldamer. <i>Organic Letters</i> , 2018, 20, 3879-3882.	4.6	10
39	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
40	Binuclear, High-Valent Nickel Complexes: Ni <sup>IV</sup> -Ni Bonds in Aryl-Halogen Bond Formation. <i>Angewandte Chemie</i> , 2017, 129, 3689-3693.	2.0	13
41	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
42	Binuclear, High-Valent Nickel Complexes: Ni <sup>IV</sup> -Ni Bonds in Aryl-Halogen Bond Formation. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 3635-3639.	13.8	42
43	The Third Ambient Aspirin Polymorph. <i>Crystal Growth and Design</i> , 2017, 17, 3562-3566.	3.0	73
44	Polymeric peptide pigments with sequence-encoded properties. <i>Science</i> , 2017, 356, 1064-1068.	12.6	244
45	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
46	DDT Polymorphism and the Lethality of Crystal Forms. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 10165-10169.	13.8	46
47	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
48	Structural Characterization of $\beta$ -Agostic Bonds in Pd-Catalyzed Polymerization. <i>Organometallics</i> , 2017, 36, 4099-4102.	2.3	21
49	Facile Deboronation of Someo-Carboranyl amides. <i>European Journal of Inorganic Chemistry</i> , 2017, 2017, 4559-4567.	2.0	2
50	Encapsulation of Isolated Luminophores within Supramolecular Cages. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14003-14006.	13.8	35
51	Encapsulation of Isolated Luminophores within Supramolecular Cages. <i>Angewandte Chemie</i> , 2017, 129, 14191-14194.	2.0	8
52	DDT Polymorphism and the Lethality of Crystal Forms. <i>Angewandte Chemie</i> , 2017, 129, 10299-10303.	2.0	21
53	Titelbild: Encapsulation of Isolated Luminophores within Supramolecular Cages ( <i>Angew. Chem.</i> ) Tj ETQq1 1 0.784314 rgBT /Overlock 10	2.0	0
54	N <sup>3</sup> -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

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55	An alternative synthesis and X-ray crystallographic confirmation of (âˆ)—stepholidine. Tetrahedron Letters, 2016, 57, 2090-2092.	1.4	6
56	A Supramolecular Ice Growth Inhibitor. Journal of the American Chemical Society, 2016, 138, 13396-13401.	13.7	83
57	Catalytic Carbonylative Spirolactonization of Hydroxycyclopropanols. Journal of the American Chemical Society, 2016, 138, 10693-10699.	13.7	97
58	Structural and spectroscopic insight into the metal binding properties of the o-aminophenol-N,N,O-triacetic acid (APTRA) chelator: implications for design of metal indicators. Dalton Transactions, 2016, 45, 12458-12464.	3.3	14
59	NâˆN Bond Forming Reductive Elimination via a Mixedâ€Valent Nickel(II)â€Nickel(III) Intermediate. Angewandte Chemie, 2016, 128, 7660-7664.	2.0	9
60	Bimetallic Câ€C Bond-Forming Reductive Elimination from Nickel. Journal of the American Chemical Society, 2016, 138, 4779-4786.	13.7	70
61	Discrete {Ni<sub>40</sub>} Coordination Cage: A Calixarene-Based Johnson-Type (<i><sub>17</sub></i>) Hexadecahedron. Journal of the American Chemical Society, 2016, 138, 2969-2972.	13.7	108
62	Regulating the Architectures of Hydrogen-Bonded Frameworks through Topological Enforcement. Journal of the American Chemical Society, 2015, 137, 3386-3392.	13.7	49
63	Redox-configurable ambidextrous catalysis: structural and mechanistic insight. Chemical Science, 2015, 6, 5904-5912.	7.4	11
64	Structure and Reactivity of an Isolable Sevenâ€Memberedâ€Ring <i>trans</i>-â€Alkene. Angewandte Chemie - International Edition, 2015, 54, 4295-4298.	13.8	18
65	Cyclometalated Iminophosphorane Gold(III) and Platinum(II) Complexes. A Highly Permeable Cationic Platinum(II) Compound with Promising Anticancer Properties. Journal of Medicinal Chemistry, 2015, 58, 5825-5841.	6.4	88
66	Non-Topotactic Phase Transformations in Single Crystals of Î²-Glycine. Crystal Growth and Design, 2015, 15, 2568-2573.	3.0	35
67	<i>p</i>-SCN-Bn-HOPO: A Superior Bifunctional Chelator for <sup>89</sup>Zr ImmunoPET. Bioconjugate Chemistry, 2015, 26, 2579-2591.	3.6	104
68	Guest Exchange through Single Crystalâ€Single Crystal Transformations in a Flexible Hydrogen-Bonded Framework. Journal of the American Chemical Society, 2014, 136, 14200-14206.	13.7	93
69	Stereochemical Control of Polymorph Transitions in Nanoscale Reactors. Journal of the American Chemical Society, 2013, 135, 2144-2147.	13.7	48
70	Isolation and Stabilization of a Pheromone in Crystalline Molecular Capsules. Crystal Growth and Design, 2013, 13, 3197-3200.	3.0	20
71	Local atomic order in sodium<i>p</i>-chlorobenzenesulfonate monohydrate studied by pair distribution function analyses and lattice-energy minimisations. Zeitschrift f�r Kristallographie, 2012, 227, 113-121.	1.1	6
72	Supramolecular Archimedean Cages Assembled with 72 Hydrogen Bonds. Science, 2011, 333, 436-440.	12.6	268

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73	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
74	Highly tunable metal-organic frameworks with open metal centers. <i>CrystEngComm</i> , 2009, 11, 553-555.	2.6	197