

Timothy Cook

List of Publications by Citations

Source: <https://exaly.com/author-pdf/6065484/timothy-cook-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

66

papers

10,106

citations

33

h-index

68

g-index

68

ext. papers

11,247

ext. citations

12.8

avg, IF

6.79

L-index

#	Paper	IF	Citations
66	Solar energy supply and storage for the legacy and nonlegacy worlds. <i>Chemical Reviews</i> , 2010 , 110, 6474-6502	68.1	2343
65	Metal-organic frameworks and self-assembled supramolecular coordination complexes: comparing and contrasting the design, synthesis, and functionality of metal-organic materials. <i>Chemical Reviews</i> , 2013 , 113, 734-77	68.1	2304
64	Recent Developments in the Preparation and Chemistry of Metallacycles and Metallacages via Coordination. <i>Chemical Reviews</i> , 2015 , 115, 7001-45	68.1	1221
63	Highly emissive platinum(II) metallacages. <i>Nature Chemistry</i> , 2015 , 7, 342-8	17.6	491
62	Biomedical and biochemical applications of self-assembled metallacycles and metallacages. <i>Accounts of Chemical Research</i> , 2013 , 46, 2464-74	24.3	394
61	Responsive supramolecular polymer metallogel constructed by orthogonal coordination-driven self-assembly and host/guest interactions. <i>Journal of the American Chemical Society</i> , 2014 , 136, 4460-3	16.4	245
60	A Suite of Tetraphenylethylene-Based Discrete Organoplatinum(II) Metallacycles: Controllable Structure and Stoichiometry, Aggregation-Induced Emission, and Nitroaromatics Sensing. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15276-86	16.4	216
59	Hierarchical self-assembly: well-defined supramolecular nanostructures and metallohydrogels via amphiphilic discrete organoplatinum(II) metallacycles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 14036-9	16.4	202
58	Light-Emitting Superstructures with Anion Effect: Coordination-Driven Self-Assembly of Pure Tetraphenylethylene Metallacycles and Metallacages. <i>Journal of the American Chemical Society</i> , 2016 , 138, 4580-8	16.4	178
57	Formation of [3]catenanes from 10 precursors via multicomponent coordination-driven self-assembly of metallarectangles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 2084-7	16.4	150
56	Highly Emissive Self-Assembled BODIPY-Platinum Supramolecular Triangles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7730-7736	16.4	144
55	Tetraphenylethene-based highly emissive metallacage as a component of theranostic supramolecular nanoparticles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 13720-13725	11.5	127
54	A Phosphorus Phthalocyanine Formulation with Intense Absorbance at 1000 nm for Deep Optical Imaging. <i>Theranostics</i> , 2016 , 6, 688-97	12.1	124
53	Self-assembly of triangular and hexagonal molecular necklaces. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5908-11	16.4	121
52	A Self-Assembled Cofacial Cobalt Porphyrin Prism for Oxygen Reduction Catalysis. <i>Journal of the American Chemical Society</i> , 2017 , 139, 1424-1427	16.4	119
51	A discrete organoplatinum(II) metallacage as a multimodality theranostic platform for cancer photochemotherapy. <i>Nature Communications</i> , 2018 , 9, 4335	17.4	118
50	Engineering Functionalization in a Supramolecular Polymer: Hierarchical Self-Organization of Triply Orthogonal Non-covalent Interactions on a Supramolecular Coordination Complex Platform. <i>Journal of the American Chemical Society</i> , 2016 , 138, 806-9	16.4	115

49	Photoinduced transformations of stiff-stilbene-based discrete metallacycles to metallosupramolecular polymers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 8717-22	11.5	110
48	Formation of Halogen Bond-Based 2D Supramolecular Assemblies by Electric Manipulation. <i>Journal of the American Chemical Society</i> , 2015 , 137, 6128-31	16.4	100
47	Supramolecular cancer nanotheranostics. <i>Chemical Society Reviews</i> , 2021 , 50, 2839-2891	58.5	88
46	Polyoxovanadate-alkoxide clusters as multi-electron charge carriers for symmetric non-aqueous redox flow batteries. <i>Chemical Science</i> , 2018 , 9, 1692-1699	9.4	84
45	In vivo anticancer activity of rhomboidal Pt(II) metallacycles. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 18448-53	11.5	83
44	Self-Assembly of Chiral Metallacycles and Metallacages from a Directionally Adaptable BINOL-Derived Donor. <i>Journal of the American Chemical Society</i> , 2015 , 137, 11896-9	16.4	78
43	Metal-halide bond photoactivation from a Pt(III)-Au(I) complex. <i>Journal of the American Chemical Society</i> , 2007 , 129, 10094-5	16.4	65
42	Tunable visible light emission of self-assembled rhomboidal metallacycles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13676-9	16.4	63
41	Photophysical and computational investigations of bis(phosphine) organoplatinum(II) metallacycles. <i>Journal of the American Chemical Society</i> , 2012 , 134, 10607-20	16.4	63
40	Photophysical properties of self-assembled multinuclear platinum metallacycles with different conformational geometries. <i>Journal of the American Chemical Society</i> , 2013 , 135, 6694-702	16.4	61
39	Chlorine photoelimination from a diplatinum core: circumventing the back reaction. <i>Journal of the American Chemical Society</i> , 2009 , 131, 28-9	16.4	61
38	Photophysical Properties of a Post-Self-Assembly Host/Guest Coordination Cage: Visible Light Driven Core-to-Cage Charge Transfer. <i>Journal of Physical Chemistry Letters</i> , 2015 , 6, 1942-7	6.4	47
37	Synthesis and photophysical studies of self-assembled multicomponent supramolecular coordination prisms bearing porphyrin faces. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014 , 111, 9390-5	11.5	47
36	Polymer/MOF Hybrid Composites with High Porosity and Stability through Surface-Selective Ligand Exchange. <i>Chemistry of Materials</i> , 2018 , 30, 8639-8649	9.6	44
35	Self-assembly of [3]catenanes and a [4]molecular necklace based on a cryptand/paraquat recognition motif. <i>Organic Letters</i> , 2015 , 17, 2804-7	6.2	39
34	Coordination-Driven Self-Assembly in Polymer/Inorganic Hybrid Materials. <i>Chemistry of Materials</i> , 2020 , 32, 3680-3700	9.6	35
33	Mixed-matrix materials using metal-organic polyhedra with enhanced compatibility for membrane gas separation. <i>Dalton Transactions</i> , 2018 , 47, 7905-7915	4.3	31
32	Atomically Precise Prediction of 2D Self-Assembly of Weakly Bonded Nanostructures: STM Insight into Concentration-Dependent Architectures. <i>Small</i> , 2016 , 12, 343-50	11	28

31	Tuning the Activity of Heterogeneous Cofacial Cobalt Porphyrins for Oxygen Reduction Electrocatalysis through Self-Assembly. <i>Chemistry - A European Journal</i> , 2018 , 24, 10984-10987	4.8	28
30	Halogen oxidation and halogen photoelimination chemistry of a platinum-rhodium heterobimetallic core. <i>Inorganic Chemistry</i> , 2012 , 51, 5152-63	5.1	27
29	Phosphorescent Decanuclear Bimetallic PtM (M = Zn, Fe) Tetrahedral Cages. <i>Inorganic Chemistry</i> , 2017 , 56, 4258-4262	5.1	25
28	Coordination-Driven Self-Assembly of Ruthenium Polypyridyl Nodes Resulting in Emergent Photophysical and Electrochemical Properties. <i>Inorganic Chemistry</i> , 2018 , 57, 3587-3595	5.1	23
27	Concentration-dependent charge-discharge characteristics of non-aqueous redox flow battery electrolyte combinations. <i>Electrochimica Acta</i> , 2018 , 261, 296-306	6.7	22
26	Photophysical Enhancement of Triplet Emitters by Coordination-Driven Self-Assembly. <i>Chemistry - A European Journal</i> , 2017 , 23, 4532-4536	4.8	21
25	Characterization of a BODIPY Dye as an Active Species for Redox Flow Batteries. <i>ChemSusChem</i> , 2016 , 9, 3317-3323	8.3	21
24	Understanding the Effects of Coordination and Self-Assembly on an Emissive Phenothiazine. <i>Journal of the American Chemical Society</i> , 2019 , 141, 3717-3722	16.4	18
23	Photophysical properties of endohedral amine-functionalized bis(phosphine) Pt(II) complexes as models for emissive metallacycles. <i>Inorganic Chemistry</i> , 2013 , 52, 9254-65	5.1	15
22	Transport and Electron Transfer Kinetics of Polyoxovanadate-Alkoxide Clusters. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A464-A472	3.9	14
21	An Fe Azamacrocyclic Complex as a pH-Tunable Catholyte and Anolyte for Redox-Flow Battery Applications. <i>Chemistry - A European Journal</i> , 2017 , 23, 15327-15331	4.8	14
20	Progress in the Design of Polyoxovanadate-Alkoxides as Charge Carriers for Nonaqueous Redox Flow Batteries. <i>Comments on Inorganic Chemistry</i> , 2019 , 39, 51-89	3.9	13
19	Rhenium(I) Phosphazane Complexes for Electrocatalytic CO ₂ Reduction. <i>Organometallics</i> , 2019 , 38, 1664-1676	5.8676	13
18	Interpenetrating networks of mixed matrix materials comprising metal-organic polyhedra for membrane CO ₂ capture. <i>Journal of Membrane Science</i> , 2020 , 606, 118122	9.6	12
17	Repurposing the Industrial Dye Methylene Blue as an Active Component for Redox Flow Batteries. <i>ChemElectroChem</i> , 2018 , 5, 3437-3442	4.3	12
16	Tuning the Reactivity of Cofacial Porphyrin Prisms for Oxygen Reduction Using Modular Building Blocks. <i>Journal of the American Chemical Society</i> , 2021 , 143, 1098-1106	16.4	12
15	Sequestration of orange G and methylene blue from aqueous solutions using a Co(II) coordination polymer. <i>RSC Advances</i> , 2017 , 7, 26532-26536	3.7	9
14	Mixed-Component Catholyte and Anolyte Solutions for High-Energy Density Non-Aqueous Redox Flow Batteries. <i>Journal of the Electrochemical Society</i> , 2018 , 165, A194-A200	3.9	9

13	Increasing phosphorescent quantum yields and lifetimes of platinum-alkynyl complexes with extended conjugation. <i>Dalton Transactions</i> , 2017 , 46, 9794-9800	4.3	9
12	An Organofunctionalized Polyoxovanadium Cluster as a Molecular Model of Interfacial Pseudocapacitance. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8985-8993	6.1	8
11	Synthesis, Characterization, and Catalytic Studies of Dinuclear d Metal-Phosphazane Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 5692-5700	5.1	6
10	Concentration-dependent supramolecular patterns of C and C symmetric molecules at the solid/liquid interface. <i>Colloids and Surfaces B: Biointerfaces</i> , 2018 , 168, 211-216	6	6
9	Coordination-Driven Supramolecular Macromolecules via the Directional Bonding Approach. <i>Advances in Polymer Science</i> , 2013 , 229-248	1.3	5
8	Coordination-Driven Self-Assembly of Silver(I) and Gold(I) Rings: Synthesis, Characterization, and Photophysical Studies. <i>Frontiers in Chemistry</i> , 2019 , 7, 567	5	4
7	A Self-Assembled Iron(II) Metallacage as a Trap for Per- and Polyfluoroalkyl Substances in Water. <i>Inorganic Chemistry</i> , 2020 , 59, 6697-6708	5.1	4
6	Phosphorescent organoplatinum(II) D2A2 metallacycles: synthesis, self-assembly, and photophysical properties. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 1914-1923	1.6	4
5	A Bis(dipyrrinato) Motif as a Building Block for Polynuclear Rhenium(I) Architectures. <i>European Journal of Inorganic Chemistry</i> , 2017 , 2017, 4055-4060	2.3	3
4	Metal-Organic Polyhedron with Four Fe(III) Centers Producing Enhanced T Magnetic Resonance Imaging Contrast in Tumors.. <i>Inorganic Chemistry</i> , 2022 ,	5.1	3
3	Gas transport characteristics of supramolecular networks of metal-coordinated highly branched Poly(ethylene oxide). <i>Journal of Membrane Science</i> , 2021 , 120063	9.6	3
2	Multicomponent Coordination-Driven Self-Assembly of Fused C3v Polygons. <i>Organometallics</i> , 2021 , 40, 1-5	3.8	2
1	Postsynthetic polymer-ligand exchange hybridization in M-MOF-74 composites. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 178-189	1.6	1