

Timothy Cook

List of Publications by Year in Descending Order

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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	Metal-Organic Polyhedron with Four Fe(III) Centers Producing Enhanced T ₁ Magnetic Resonance Imaging Contrast in Tumors. <i>Inorganic Chemistry</i> , 2022 ,	5.1	3
65	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
64	Multicomponent Coordination-Driven Self-Assembly of Fused C _{3v} Polygons. <i>Organometallics</i> , 2021 , 40, 1-5	3.8	2
63	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
62	Supramolecular cancer nanotheranostics. <i>Chemical Society Reviews</i> , 2021 , 50, 2839-2891	58.5	88
61	Postsynthetic polymer-ligand exchange hybridization in M-MOF-74 composites. <i>Journal of Coordination Chemistry</i> , 2021 , 74, 178-189	1.6	1
60	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
59	Coordination-Driven Self-Assembly in Polymer-Inorganic Hybrid Materials. <i>Chemistry of Materials</i> , 2020 , 32, 3680-3700	9.6	35
58	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
57	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
56	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
55	Rhenium(I) Phosphazane Complexes for Electrocatalytic CO ₂ Reduction. <i>Organometallics</i> , 2019 , 38, 1664-1676	5.8676	13
54	Transport and Electron Transfer Kinetics of Polyoxovanadate-Alkoxide Clusters. <i>Journal of the Electrochemical Society</i> , 2019 , 166, A464-A472	3.9	14
53	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
52	An Organofunctionalized Polyoxovanadium Cluster as a Molecular Model of Interfacial Pseudocapacitance. <i>ACS Applied Energy Materials</i> , 2019 , 2, 8985-8993	6.1	8
51	Synthesis, Characterization, and Catalytic Studies of Dinuclear d Metal-Phosphazane Complexes. <i>Inorganic Chemistry</i> , 2018 , 57, 5692-5700	5.1	6
50	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

49	Concentration-dependent charge-discharge characteristics of non-aqueous redox flow battery electrolyte combinations. <i>Electrochimica Acta</i> , 2018 , 261, 296-306	6.7	22
48	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
47	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
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	Repurposing the Industrial Dye Methylene Blue as an Active Component for Redox Flow Batteries. <i>ChemElectroChem</i> , 2018 , 5, 3437-3442	4.3	12
44	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
43	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
42	A discrete organoplatinum(II) metallacage as a multimodality theranostic platform for cancer photochemotherapy. <i>Nature Communications</i> , 2018 , 9, 4335	17.4	118
41	Highly Emissive Self-Assembled BODIPY-Platinum Supramolecular Triangles. <i>Journal of the American Chemical Society</i> , 2018 , 140, 7730-7736	16.4	144
40	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
39	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
38	Photophysical Enhancement of Triplet Emitters by Coordination-Driven Self-Assembly. <i>Chemistry - A European Journal</i> , 2017 , 23, 4532-4536	4.8	21
37	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
36	Phosphorescent Decanuclear Bimetallic PtM (M = Zn, Fe) Tetrahedral Cages. <i>Inorganic Chemistry</i> , 2017 , 56, 4258-4262	5.1	25
35	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
34	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
33	Increasing phosphorescent quantum yields and lifetimes of platinum-alkynyl complexes with extended conjugation. <i>Dalton Transactions</i> , 2017 , 46, 9794-9800	4.3	9
32	Characterization of a BODIPY Dye as an Active Species for Redox Flow Batteries. <i>ChemSusChem</i> , 2016 , 9, 3317-3323	8.3	21

31	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
30	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
29	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
28	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
27	A Phosphorus Phthalocyanine Formulation with Intense Absorbance at 1000 nm for Deep Optical Imaging. <i>Theranostics</i> , 2016 , 6, 688-97	12.1	124
26	Phosphorescent organoplatinum(II) D2A2 metallacycles: synthesis, self-assembly, and photophysical properties. <i>Journal of Coordination Chemistry</i> , 2016 , 69, 1914-1923	1.6	4
25	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
24	Recent Developments in the Preparation and Chemistry of Metallacycles and Metallacages via Coordination. <i>Chemical Reviews</i> , 2015 , 115, 7001-45	68.1	1221
23	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
22	Highly emissive platinum(II) metallacages. <i>Nature Chemistry</i> , 2015 , 7, 342-8	17.6	491
21	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
20	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
19	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
18	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
17	Self-assembly of triangular and hexagonal molecular necklaces. <i>Journal of the American Chemical Society</i> , 2014 , 136, 5908-11	16.4	121
16	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
15	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
14	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

13	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
12	Tunable visible light emission of self-assembled rhomboidal metallacycles. <i>Journal of the American Chemical Society</i> , 2013 , 135, 13676-9	16.4	63
11	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
10	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
9	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
8	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
7	Biomedical and biochemical applications of self-assembled metallacycles and metallacages. <i>Accounts of Chemical Research</i> , 2013 , 46, 2464-74	24.3	394
6	Coordination-Driven Supramolecular Macromolecules via the Directional Bonding Approach. <i>Advances in Polymer Science</i> , 2013 , 229-248	1.3	5
5	Halogen oxidation and halogen photoelimination chemistry of a platinum-rhodium heterobimetallic core. <i>Inorganic Chemistry</i> , 2012 , 51, 5152-63	5.1	27
4	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
3	Solar energy supply and storage for the legacy and nonlegacy worlds. <i>Chemical Reviews</i> , 2010 , 110, 6474-502	46.02	2343
2	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
1	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