

Tabitha M Cook

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/752276/publications.pdf>

Version: 2024-02-01

89
papers

2,710
citations

147801

31
h-index

206112

48
g-index

92
all docs

92
docs citations

92
times ranked

3437
citing authors

#	ARTICLE	IF	CITATIONS
1	2D Molecular Square Grid with Strong Blue Fluorescent Emission: A Complex of Norfloxacin with Zinc(II). <i>Inorganic Chemistry</i> , 2001, 40, 4075-4077.	4.0	181
2	Syntheses, Structures, and Photoluminescence of Five New Metal-Organic Frameworks Based on Flexible Tetrapyrindines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2010, 10, 2676-2684.	3.0	102
3	Persimmon-like (BiO) ₂ CO ₃ microstructures: hydrothermal preparation, photocatalytic properties and their conversion into Bi ₂ S ₃ . <i>CrystEngComm</i> , 2011, 13, 1939-1945.	2.6	101
4	Microwave-assisted solution-phase preparation of flower-like Bi ₂ WO ₆ and its visible-light-driven photocatalytic properties. <i>CrystEngComm</i> , 2011, 13, 306-311.	2.6	100
5	Spin-phonon couplings in transition metal complexes with slow magnetic relaxation. <i>Nature Communications</i> , 2018, 9, 2572.	12.8	93
6	Syntheses, Structures, and Photochemical Properties of Six New Metal-Organic Frameworks Based on Aromatic Dicarboxylate Acids and V-Shaped Imidazole Ligands. <i>Crystal Growth and Design</i> , 2010, 10, 4135-4142.	3.0	88
7	Bi ₂ MoO ₆ microstructures: controllable synthesis, growth mechanism, and visible-light-driven photocatalytic activities. <i>CrystEngComm</i> , 2013, 15, 498-508.	2.6	83
8	Microwave-assisted hydrothermal synthesis of cube-like Ag-Ag ₂ MoO ₄ with visible-light photocatalytic activity. <i>Science China Chemistry</i> , 2013, 56, 443-450.	8.2	77
9	Syntheses, Structures, and Characteristics of Four New Metal-Organic Frameworks Based on Flexible Tetrapyrindines and Aromatic Polycarboxylate Acids. <i>Crystal Growth and Design</i> , 2012, 12, 3426-3435.	3.0	74
10	Selective Synthesis and Characterization of Nanocrystalline EuF ₃ with Orthorhombic and Hexagonal Structures. <i>Crystal Growth and Design</i> , 2006, 6, 1972-1974.	3.0	72
11	Pancake-like Fe ₂ (MoO ₄) ₃ microstructures: microwave-assisted hydrothermal synthesis, magnetic and photocatalytic properties. <i>New Journal of Chemistry</i> , 2010, 34, 2027.	2.8	63
12	Direct determination of cadmium and lead in pharmaceutical ingredients using anodic stripping voltammetry in aqueous and DMSO/water solutions. <i>Analytica Chimica Acta</i> , 2015, 893, 25-33.	5.4	55
13	Blue-Green Luminescent Rhenium(I) Tricarbonyl Complexes with Pyridine-Functionalized N-Heterocyclic Carbene Ligands. <i>Organometallics</i> , 2012, 31, 3829-3835.	2.3	53
14	Luminescent Mechanochromic Dinuclear Cu(I) Complexes with Macrocyclic Diamine-Tetracarbene Ligands. <i>Inorganic Chemistry</i> , 2018, 57, 13618-13630.	4.0	53
15	Netlike Nanostructures of Zn(OH)F and ZnO: Synthesis, Characterization, and Properties. <i>Crystal Growth and Design</i> , 2008, 8, 1412-1417.	3.0	52
16	Improved Bi film wrapped single walled carbon nanotubes for ultrasensitive electrochemical detection of trace Cr(VI). <i>Electrochimica Acta</i> , 2013, 113, 686-693.	5.2	52
17	Magnetic Transitions in Iron Porphyrin Halides by Inelastic Neutron Scattering and Ab Initio Studies of Zero-Field Splittings. <i>Inorganic Chemistry</i> , 2015, 54, 9790-9801.	4.0	49
18	The First Highly Stable Homochiral Olefin-Copper(I) 2D Coordination Polymer Grid Based on Quinine as a Building Block. <i>Organometallics</i> , 2003, 22, 2814-2816.	2.3	47

#	ARTICLE	IF	CITATIONS
19	Bismuth-Based, Disposable Sensor for the Detection of Hydrogen Sulfide Gas. <i>Analytical Chemistry</i> , 2016, 88, 1553-1558.	6.5	47
20	Microwave-assisted solution-phase preparation and growth mechanism of FeMoO ₄ hierarchical hollow spheres. <i>CrystEngComm</i> , 2010, 12, 207-210.	2.6	44
21	Reaction of Ta(NMe ₂) ₅ with O ₂ : Formation of Aminoxy and Unusual (Aminomethyl)amide Oxo Complexes and Theoretical Studies of the Mechanistic Pathways. <i>Journal of the American Chemical Society</i> , 2007, 129, 14408-14421.	13.7	41
22	Microwave-assisted solvothermal synthesis and growth mechanism of WO ₃ ·(H ₂ O) _{0.33} hierarchical microstructures. <i>CrystEngComm</i> , 2010, 12, 1153-1158.	2.6	41
23	An Unusual Exchange between Alkylidyne Alkyl and Bis(alkylidene) Tungsten Complexes Promoted by Phosphine Coordination: A Kinetic, Thermodynamic, and Theoretical Studies. <i>Journal of the American Chemical Society</i> , 2004, 126, 10208-10209.	13.7	40
24	Slow Magnetic Relaxation in Mononuclear Octahedral Manganese(III) Complexes with Dibenzoilmethanide Ligands. <i>European Journal of Inorganic Chemistry</i> , 2015, 2015, 271-278.	2.0	40
25	Reactions of d ⁰ Group 4 Amides with Dioxygen. Preparation of Unusual Oxo Aminoxy Complexes and Theoretical Studies of Their Formation. <i>Journal of the American Chemical Society</i> , 2005, 127, 5204-5211.	13.7	39
26	Slow Magnetic Relaxations in Cobalt(II) Tetranitrate Complexes. Studies of Magnetic Anisotropy by Inelastic Neutron Scattering and High-Frequency and High-Field EPR Spectroscopy. <i>Inorganic Chemistry</i> , 2016, 55, 12603-12617.	4.0	39
27	Microwave-assisted preparation and photocatalytic properties of Zn ₂ GeO ₄ nanorod bundles. <i>CrystEngComm</i> , 2010, 12, 3201.	2.6	38
28	Transition-Metal Silyl Complexes and Chemistry in the Reactions of Silanes with Transition-Metal Complexes. <i>Organometallics</i> , 2004, 23, 2210-2224.	2.3	37
29	Zero-Field Slow Magnetic Relaxation and Hysteresis Loop in Four-Coordinate Co ^{II} Single-Ion Magnets with Strong Easy-Axis Anisotropy. <i>Inorganic Chemistry</i> , 2019, 58, 12555-12564.	4.0	36
30	A Tungsten Silyl Alkylidyne Complex and Its Bis(alkylidene) Tautomer. Their Interconversion and an Unusual Silyl Migration in Their Reaction with Dioxygen. <i>Organometallics</i> , 2005, 24, 1214-1224.	2.3	33
31	Synthesis and Characterization of Group 4 Amidinate Amide Complexes M[CyNC(Me)NCy] ₂ (NR) ₂ (R = Me, M = Ti, Zr, Hf; R = Et, M = Zr). <i>Organometallics</i> , 2009, 28, 3088-3092.	2.3	32
32	Neutron Instruments for Research in Coordination Chemistry. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1065-1089.	2.0	29
33	Preparation and Characterization of Flowerlike Y ₂ (OH) ₅ NO ₃ ·1.5H ₂ O and Y ₂ O ₃ and Their Efficient Removal of Cr(VI) from Aqueous Solution. <i>Journal of Physical Chemistry C</i> , 2009, 113, 3461-3466.	3.1	28
34	A method for the preparation of transparent mesoporous silica sol-gel monoliths containing grafted organic functional groups. <i>Journal of Materials Chemistry</i> , 2005, 15, 2356.	6.7	27
35	Preparation and Use of Ta(CD ₂ But) ₅ To Probe the Formation of (ButCD ₂) ₃ Ta·CDBut. Kinetic and Mechanistic Studies of the Conversion of Pentaneopentyltantalum to the Archetypical Alkylidene Complex. <i>Journal of the American Chemical Society</i> , 2009, 131, 8246-8251.	13.7	26
36	Fast preparation and growth mechanism of erythrocyte-like Cd ₂ Ge ₂ O ₆ superstructures via a microwave-hydrothermal process. <i>CrystEngComm</i> , 2011, 13, 2464.	2.6	26

#	ARTICLE	IF	CITATIONS
37	Inter-Kramers Transitions and Spin-Phonon Couplings in a Lanthanide-Based Single-Molecule Magnet. <i>Inorganic Chemistry</i> , 2020, 59, 5218-5230.	4.0	25
38	Reactivity of the [MoS ₄ Cu ₆ Br ₈] ⁴⁻ anion toward polyarylphosphorus ligands: synthesis, characterization and nonlinear optical properties of [MoS ₄ (Cudppf) ₂ ·2DMF·CH ₃ CN and [MoS ₄ Cu ₂ (Ph ₂ PPy) ₄]. <i>Dalton Transactions RSC</i> , 2002, , 1980-1984.	2.3	24
39	Unprecedented Homochiral Olefin-Copper(I) 2D Coordination Polymer Grid Based on Chiral Ammonium Salts as Building Blocks. <i>Organometallics</i> , 2003, 22, 4396-4398.	2.3	24
40	Tungsten Alkyl Alkylidyne and Bis-alkylidene Complexes. Preparation and Kinetic and Thermodynamic Studies of Their Unusual Exchanges. <i>Organometallics</i> , 2006, 25, 427-434.	2.3	24
41	Synthesis and Characterization of Siloxy, Aminoxy, and Oxo Complexes from the Reaction of a Tantalum Amide Silyl Complex with Oxygen. <i>Inorganic Chemistry</i> , 2009, 48, 3073-3079.	4.0	23
42	Magnetic anisotropy and slow magnetic relaxation processes of cobalt-pseudohalide complexes. <i>Dalton Transactions</i> , 2019, 48, 10743-10752.	3.3	23
43	Reactions of d ⁰ tungsten alkylidyne complexes with O ₂ or H ₂ O. Formation of an oxo siloxy complex through unusual silyl migrations. <i>Chemical Communications</i> , 2013, 49, 9555.	4.1	22
44	Spectroscopic Studies of the Magnetic Excitation and Spin-Phonon Couplings in a Single-Molecule Magnet. <i>Chemistry - A European Journal</i> , 2019, 25, 15846-15857.	3.3	22
45	Preparation of Tungsten Alkyl Alkylidene Alkylidyne Complexes and Kinetic Studies of Their Formation. <i>Journal of the American Chemical Society</i> , 2007, 129, 7277-7283.	13.7	21
46	Formation of Aminoxy and Oxo Complexes from the Reaction of Nb(NMe ₂) ₅ with O ₂ and the Crystal Structure of Nb(NEt ₂) ₅ . <i>Inorganic Chemistry</i> , 2010, 49, 4017-4022.	4.0	21
47	Applying Unconventional Spectroscopies to the Single-Molecule Magnets, Co(PPh ₃) ₂ X ₂ (X=Cl, Br, I): Unveiling Magnetic Transitions and Spin-Phonon Coupling. <i>Chemistry - A European Journal</i> , 2021, 27, 11110-11125.	3.3	21
48	Synthesis and Characterization of Group 4 Amide Chloride and Amide Imide Complexes. <i>Organometallics</i> , 2009, 28, 4269-4275.	2.3	20
49	Microwave-assisted hydrothermal synthesis, growth mechanism and photocatalytic properties of pancake-like Cd(OH) ₂ superstructures. <i>CrystEngComm</i> , 2012, 14, 3495.	2.6	20
50	Metal Complexes with a Hexadentate Macrocyclic Diamine-Tetracarbene Ligand. <i>Inorganic Chemistry</i> , 2017, 56, 11917-11928.	4.0	19
51	Slow Magnetic Relaxation in a Mononuclear Five-Coordinate Cu(II) Complex. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 4653-4659.	2.0	19
52	Preparation of the Alkyl Complex Ta(η ⁵ -NSiMe ₃) ₃ [N(SiMe ₃) ₂](CH ₂ Bu ^t) ₂ . Preferential Oxygen Insertion in Its Reaction with O ₂ and a Ligand Exchange in the Alkoxide Ta(η ⁵ -NSiMe ₃) ₃ [N(SiMe ₃) ₂](OCH ₂ Bu ^t) ₂ . <i>Organometallics</i> , 2010, 29, 5579-5584.	2.3	18
53	Disilyl Complexes of Zirconium, Hafnium, and Tantalum. Their Synthesis, Characterization, and Exchanges with Silyl Anions. <i>Organometallics</i> , 2005, 24, 4190-4197.	2.3	17
54	Preparation, Characterization, and Catalytic Properties of Ruthenium(II) Nitrosyl Complexes with \hat{L} -Diimine Ligands. <i>Organometallics</i> , 2009, 28, 6687-6694.	2.3	17

#	ARTICLE	IF	CITATIONS
55	Highly sensitive detection of hexavalent chromium utilizing a sol-gel/carbon nanotube modified electrode. <i>Journal of Electroanalytical Chemistry</i> , 2016, 781, 120-125.	3.8	17
56	Synthesis and structural characterization of metal complexes with macrocyclic tetracarbene ligands. <i>New Journal of Chemistry</i> , 2017, 41, 13442-13453.	2.8	14
57	Probing Magnetic Excitations in Co ^{II} Single-Molecule Magnets by Inelastic Neutron Scattering. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1119-1127.	2.0	14
58	Reactions of Oxygen with Metallaheterocyclic Alkyl Amide Complexes. Selective Insertion of Oxygen into Metal-Carbon Bonds. <i>Organometallics</i> , 2009, 28, 6642-6645.	2.3	13
59	Synthesis, Characterization, and Crystal Structures of Metal Amide Cage Complexes Containing a M ₄ O ₄ (M = Nb, Ta) Core Unit. <i>Journal of Cluster Science</i> , 2010, 21, 325-337.	3.3	13
60	Unexpected formation of a trinuclear complex containing a Ta(IV)-Ta(IV) bond in the reactions of But ₃ Ni-Ta(NMe ₂) ₃ with silanes. <i>Chemical Communications</i> , 2011, 47, 8685.	4.1	13
61	Iridium(I) and Rhodium(I) Carbonyl Complexes with the Bis(3- <i>tert</i> -butylimidazol-2-ylidene)borate Ligand and Unusual B-H Fluorination. <i>Organometallics</i> , 2011, 30, 2006-2011.	2.3	13
62	Product in indole detection by Ehrlich's reagent. <i>Analytical Biochemistry</i> , 2015, 484, 21-23.	2.4	13
63	Syntheses and Characterization of Tantalum Alkyl Imides and Amide Imides. DFT Studies of Unusual σ -SiMe ₃ Abstraction by an Amide Ligand. <i>Organometallics</i> , 2015, 34, 5687-5696.	2.3	13
64	Synthesis and characterization of Ag ^I and Au ^I complexes with macrocyclic hybrid amine N-heterocyclic carbene ligands. <i>New Journal of Chemistry</i> , 2018, 42, 4700-4713.	2.8	13
65	Reaction of a Tungsten Alkylidyne Complex with a Chelating Diphosphine. σ -Hydrogen Migration in the Intermediates and Formation of an Alkyl Alkylidene Alkylidyne Complex. <i>Organometallics</i> , 2009, 28, 1295-1302.	2.3	11
66	Preparation of Zirconium Guanidinate Complexes from the Direct Insertion of a Carbodiimine and Aminolysis Using a Guanidine. Comparison of the Reactions. <i>Organometallics</i> , 2012, 31, 3443-3446.	2.3	11
67	Reactions of Group 4 Amide Guanidines with Dioxygen or Water. Studies of the Formation of Oxo Products. <i>Inorganic Chemistry</i> , 2013, 52, 11409-11421.	4.0	11
68	Unusual reaction of a tungsten alkylidyne complex with water. Formation, characterization, and crystal structures of oxo trimers. <i>Science China Chemistry</i> , 2011, 54, 1903-1908.	8.2	10
69	Direct analysis of palladium in active pharmaceutical ingredients by anodic stripping voltammetry. <i>Analytica Chimica Acta</i> , 2016, 914, 47-52.	5.4	10
70	Reactions of zirconium amide amidinates with dioxygen. Observation of an unusual peroxo intermediate in the formation of oxo compounds. <i>Chemical Communications</i> , 2014, 50, 10517.	4.1	9
71	A Trisilyl Zincate Containing Bidentate [(Me ₃ Si) ₂ Si(CH ₂) ₂ Si(SiMe ₃) ₂] ₂ -Ligands. <i>Organometallics</i> , 2004, 23, 5910-5912.	2.3	8
72	Optical and electrochemical sol-gel sensors for inorganic species. <i>Science in China Series B: Chemistry</i> , 2009, 52, 1777-1788.	0.8	8

#	ARTICLE	IF	CITATIONS
73	Size-controlled synthesis and magnetic properties of copper germanate nanorods. Observation of size-induced quenching of the spin-Peierls transition. <i>CrystEngComm</i> , 2014, 16, 850-857.	2.6	8
74	Density Functional Theory Study of the Reaction between d ⁰ Tungsten Alkylidyne Complexes and H ₂ O: Addition versus Hydrolysis. <i>Inorganic Chemistry</i> , 2017, 56, 7111-7119.	4.0	8
75	Synthesis, characterization and crystal structure of zirconium complex containing amidinate, guanidinate and amide ligand sets. <i>Inorganica Chimica Acta</i> , 2009, 362, 4251-4254.	2.4	7
76	Organofunctional Sol-Gel Materials for Toxic Metal Separation. <i>ACS Symposium Series</i> , 2006, , 223-237.	0.5	6
77	Syntheses and characterization of hepta-coordinated Group 4 amidinate complexes. <i>Dalton Transactions</i> , 2018, 47, 11030-11040.	3.3	6
78	Optical probe for the analysis of trace indole in shrimp. <i>Analytical Biochemistry</i> , 2018, 557, 104-110.	2.4	6
79	Advanced Magnetic Resonance Studies of Tetraphenylporphyrinatoiron(III) Halides. <i>Applied Magnetic Resonance</i> , 2020, 51, 1411-1432.	1.2	6
80	Controlled-release polymers for delivery of dipyrityls and tetraalkyl ammonium hydroxide. <i>Journal of Applied Polymer Science</i> , 2007, 104, 1043-1048.	2.6	5
81	Synthesis, Structures, and Catalytic Properties of Dinuclear Iridium(I) Complexes with a Hexadentate Macrocyclic Diamine- π -tracarbene Ligand. <i>European Journal of Inorganic Chemistry</i> , 2018, 2018, 1595-1602.	2.0	5
82	Magnetic anisotropy of two tetrahedral Co(II)-halide complexes with triphenylphosphine ligands. <i>Dalton Transactions</i> , 2022, 51, 7530-7538.	3.3	5
83	From China to the world: Science China Chemistry celebrates the International Year of Chemistry. <i>Science China Chemistry</i> , 2012, 55, 195-200.	8.2	4
84	Synthesis, structural characterization and NMR studies of group 10 metal complexes with macrocyclic amine N-heterocyclic carbene ligands. <i>Dalton Transactions</i> , 2018, 47, 4282-4292.	3.3	4
85	China celebrates the International Year of Chemistry. <i>Science China Chemistry</i> , 2011, 54, 2016-2017.	8.2	2
86	Magnetic anisotropies and slow magnetic relaxation of three tetrahedral tetrakis(pseudohalido)cobalt(II) complexes. <i>New Journal of Chemistry</i> , 2021, 45, 16852-16861.	2.8	2
87	Solution NMR of transition metal complexes. , 2023, , 660-744.		1
88	Novel Pretreatments of Whole Blood Using Fenton-Like Processes for Trace Metal Analysis. <i>Ozone: Science and Engineering</i> , 2017, 39, 61-66.	2.5	0
89	Probing Magnetic Excitations in Coll Single-Molecule Magnets by Inelastic Neutron Scattering. <i>European Journal of Inorganic Chemistry</i> , 2019, 2019, 1055-1055.	2.0	0