

# Jonathan H Christian

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

540  
citations

840585

11  
h-index

752573

20  
g-index

22  
all docs

22  
docs citations

22  
times ranked

859  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electronic Structure and Slow Magnetic Relaxation of Low-Coordinate Cyclic Alkyl(amino) Carbene Stabilized Iron(II) Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11964-11971.	6.6	145
2	Synthesis and Characterization of a Two-coordinate Manganese Complex and its Reaction with Molecular Hydrogen at Room Temperature. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 11817-11821.	7.2	78
3	Bi-functional $\text{Li}_2\text{B}_{12}\text{H}_{12}$ for energy storage and conversion applications: solid-state electrolyte and luminescent down-conversion dye. <i>Journal of Materials Chemistry A</i> , 2015, 3, 22853-22859.	5.2	61
4	$\text{Cr}(\text{Cp})\text{Cl}$ as well as $\text{Cr}^+$ are stabilised between two cyclic alkyl amino carbenes. <i>Chemical Science</i> , 2015, 6, 3148-3153.	3.7	39
5	Completing the series of Group VI heterotrimetallic $\text{M}_2\text{Cr}(\text{dpa})_4\text{Cl}_2$ ( $\text{M} = \text{Cr}, \text{Mo}, \text{W}$ ) compounds and investigating their metal-metal interactions using density functional theory. <i>Inorganica Chimica Acta</i> , 2015, 424, 241-247.	1.2	28
6	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. <i>Inorganic Chemistry Frontiers</i> , 2015, 2, 893-897.	3.0	27
7	Enhancing the Magnetic Anisotropy of Linear Cr(II) Chain Compounds Using Heavy Metal Substitutions. <i>Inorganic Chemistry</i> , 2016, 55, 6376-6383.	1.9	24
8	Synthesis, Detailed Characterization, and Theoretical Understanding of Mononuclear Chromium(III)-Containing Polyoxotungstates $[\text{CrIII}(\text{HXVW}_7\text{O}_{28})_2]^{3-}$ ( $\text{X} = \text{P}, \text{As}$ ) with Exceptionally Large Magnetic Anisotropy. <i>Inorganic Chemistry</i> , 2014, 53, 9274-9283.	1.9	20
9	15-Copper(II)-containing 36-tungsto-4-silicates $[\text{Cu}_{15}\text{O}_{22}(\text{OH})_{10}\text{X}(\text{A}-\text{SiW}_9\text{O}_{34})_4]^{25-}$ ( $\text{X} = \text{P}, \text{As}$ ). <i>Dalton Transactions</i> , 2018, 47, 12439-12448.	1.6	25
10	Raman and infrared spectra of plutonium (IV) oxalate and its thermal degradation products. <i>Journal of Nuclear Materials</i> , 2022, 562, 153574.	1.3	16
11	Cr(III)-Substituted Heteropoly-16-Tungstates $[\text{CrIII}(\text{B}-\text{XIVW}_8\text{O}_{31})_2]^{14-}$ ( $\text{X} = \text{Si}, \text{Ge}$ ): Magnetic, Biological, and Electrochemical Studies. <i>Inorganic Chemistry</i> , 2016, 55, 10936-10946.	1.9	11
12	Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots. <i>Chemistry of Materials</i> , 2018, 30, 8446-8456.	3.2	11
13	Investigation of hydrogen induced fluorescence in $\text{C}_{60}$ and its potential use in luminescence down shifting applications. <i>Nanoscale</i> , 2016, 8, 18760-18770.	2.8	9
14	Characterizing the solid hydrolysis product, $\text{UF}_4(\text{H}_2\text{O})_{2.5}$ , generated from neat water reactions with $\text{UF}_4$ at room temperature. <i>Dalton Transactions</i> , 2021, 50, 2462-2471.	1.6	9
15	Laser-induced annealing of aged $\text{PuO}_2$ . <i>Journal of Raman Spectroscopy</i> , 2021, 52, 1486-1489.	1.2	5
16	Six-coordinate ferric porphyrins containing bidentate N-t-butyl-N-nitrosohydroxylaminato ligands: structure, magnetism, IR spectroelectrochemistry, and reactivity. <i>Dalton Transactions</i> , 2015, 44, 20121-20130.	1.6	4
17	Probing the hydrolytic degradation of $\text{UF}_4$ in humid air. <i>Dalton Transactions</i> , 2022, 51, 6061-6067.	1.6	3
18	Inelastic Neutron Spectra of Uranium Tetrafluoride Hydrate, $\text{UF}_4(\text{H}_2\text{O})_{2.5}$ . <i>Journal of Physical Chemistry C</i> , 2021, 125, 25007-25021.	1.5	2

#	ARTICLE	IF	CITATIONS
19	Developing radiation tolerant polymer nanocomposites using C60as an additive. RSC Advances, 2016, 6, 40785-40792.	1.7	1
20	Microwaveâ€specific heating of crystalline species in nuclear waste glass. International Journal of Applied Glass Science, 2017, 8, 158-164.	1.0	0