

Jonathan H Christian

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8122938/publications.pdf>

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	Raman and infrared spectra of plutonium (IV) oxalate and its thermal degradation products. Journal of Nuclear Materials, 2022, 562, 153574.	1.3	16
2	Probing the hydrolytic degradation of UF ₄ in humid air. Dalton Transactions, 2022, 51, 6061-6067.	1.6	3
3	Characterizing the solid hydrolysis product, UF ₄ (H ₂ O) _{2.5} , generated from neat water reactions with UF ₄ at room temperature. Dalton Transactions, 2021, 50, 2462-2471.	1.6	9
4	Laser-induced annealing of aged PuO ₂ . Journal of Raman Spectroscopy, 2021, 52, 1486-1489.	1.2	5
5	Inelastic Neutron Spectra of Uranium Tetrafluoride Hydrate, UF ₄ (H ₂ O) _{2.5} . Journal of Physical Chemistry C, 2021, 125, 25007-25021.	1.5	2
6	Evidence of Ferrimagnetism in Fe-Doped CdSe Quantum Dots. Chemistry of Materials, 2018, 30, 8446-8456.	3.2	11
7	15-Copper(II)-containing 36-tungsto-4-silicates [Cu ₁₅ O ₂ (OH) ₁₀ X(A _{1±} SiW ₉ O ₃₄) ₄] ²⁵⁻ Dalton Transactions, 2018, 47, 12439-12448.	1.6	17
8	Microwave-specific heating of crystalline species in nuclear waste glass. International Journal of Applied Glass Science, 2017, 8, 158-164.	1.0	0
9	Developing radiation tolerant polymer nanocomposites using C ₆₀ as an additive. RSC Advances, 2016, 6, 40785-40792.	1.7	1
10	Investigation of hydrogen induced fluorescence in C ₆₀ and its potential use in luminescence down shifting applications. Nanoscale, 2016, 8, 18760-18770.	2.8	9
11	Cr(III)-Substituted Heteropoly-16-Tungstates [Cr(III)(B ₁₂ -X ₁₆ O ₃₁) ₂] ¹⁴⁻ (X = Si, Ge): Magnetic, Biological, and Electrochemical Studies. Inorganic Chemistry, 2016, 55, 10936-10946.	1.9	11
12	Enhancing the Magnetic Anisotropy of Linear Cr(II) Chain Compounds Using Heavy Metal Substitutions. Inorganic Chemistry, 2016, 55, 6376-6383.	1.9	24
13	CrCl as well as Cr ⁺ are stabilised between two cyclic alkyl amino carbenes. Chemical Science, 2015, 6, 3148-3153.	3.7	39
14	Six-coordinate ferric porphyrins containing bidentate N-t-butyl-N-nitrosohydroxylaminato ligands: structure, magnetism, IR spectroelectrochemistry, and reactivity. Dalton Transactions, 2015, 44, 20121-20130.	1.6	4
15	Bi-functional Li ₂ B ₁₂ H ₁₂ for energy storage and conversion applications: solid-state electrolyte and luminescent down-conversion dye. Journal of Materials Chemistry A, 2015, 3, 22853-22859.	5.2	61
16	Molecular spin qubits based on lanthanide ions encapsulated in cubic polyoxopalladates: design criteria to enhance quantum coherence. Inorganic Chemistry Frontiers, 2015, 2, 893-897.	3.0	27
17	Completing the series of Group VI heterotrimetallic M ₂ Cr(dpa) ₄ Cl ₂ (M ₂ = Cr ₂ , Mo ₂ , MoW and W ₂) compounds and investigating their metal-metal interactions using density functional theory. Inorganica Chimica Acta, 2015, 424, 241-247.	1.2	28
18	Synthesis, Detailed Characterization, and Theoretical Understanding of Mononuclear Chromium(III)-Containing Polyoxotungstates [Cr(III)(HXVW ₇ O ₂₈) ₂] ¹³⁻ (X = P, As) with Exceptionally Large Magnetic Anisotropy. Inorganic Chemistry, 2014, 53, 9274-9283.	1.9	20

#	ARTICLE	IF	CITATIONS
19	Electronic Structure and Slow Magnetic Relaxation of Low-Coordinate Cyclic Alkyl(amino) Carbene Stabilized Iron(I) Complexes. <i>Journal of the American Chemical Society</i> , 2014, 136, 11964-11971.	6.6	145
20	Synthesis and Characterization of a Twoâ€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