

Claude H Yoder

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Europium-Doped Carbonated Apatites. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 503.	2.0	3
2	Worth a Closer Look: Raman Spectra of Lead-Pipe Scale. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1047.	2.0	4
3	A new model for the rationalization of the thermal behavior of carbonated apatites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 140, 2179-2184.	3.6	5
4	The carbonate location in mixed calcium and strontium carbonated apatites. <i>Polyhedron</i> , 2020, 179, 114365.	2.2	2
5	The effect of incorporated carbonate and sodium on the IR spectra of A- and AB-type carbonated apatites. <i>American Mineralogist</i> , 2019, 104, 869-877.	1.9	18
6	A-type carbonate in strontium phosphate apatites. <i>American Mineralogist</i> , 2019, 104, 438-446.	1.9	5
7	Incorporation of fluorophosphate in apatite. <i>Polyhedron</i> , 2018, 145, 176-181.	2.2	2
8	Protein-free formation of bone-like apatite: New insights into the key role of carbonation. <i>Biomaterials</i> , 2017, 127, 75-88.	11.4	77
9	Substitution of sulfate in apatite. <i>American Mineralogist</i> , 2017, 102, 1971-1976.	1.9	10
10	The synthesis of phosphate and vanadate apatites using an aqueous one-step method. <i>Polyhedron</i> , 2017, 127, 403-409.	2.2	4
11	⁹⁵ Mo NMR study of the effect of structure on complexation of molybdate with alpha and beta hydroxy carboxylic acid ligands. <i>Polyhedron</i> , 2016, 114, 23-28.	2.2	4
12	Structural effects on incorporated water in carbonated apatites. <i>American Mineralogist</i> , 2015, 100, 274-280.	1.9	11
13	A-type substitution in carbonated strontium fluor-, chlor- and hydroxylapatites. <i>Mineralogical Magazine</i> , 2015, 79, 399-412.	1.4	6
14	Molecular water in nominally unhydrated carbonated hydroxylapatite: The key to a better understanding of bone mineral. <i>American Mineralogist</i> , 2014, 99, 16-27.	1.9	71
15	Synthesis and structure of carbonated barium and lead fluorapatites: Effect of cation size on A-type carbonate substitution. <i>American Mineralogist</i> , 2014, 99, 2176-2186.	1.9	9
16	Dehydration and Rehydration of Carbonated Fluor- and Hydroxylapatite. <i>Minerals (Basel)</i> , 2014, 10, 142.	2.0	22
17	Structural Water in Carbonated Hydroxylapatite and Fluorapatite: Confirmation by Solid State ² H NMR. <i>Calcified Tissue International</i> , 2012, 90, 60-67.	3.1	55
18	Hypercoordination in triphenyl oxinates of the group 14 elements. <i>Journal of Organometallic Chemistry</i> , 2010, 695, 518-523.	1.8	3

#	ARTICLE	IF	CITATIONS
19	The relative stability of stoichiometrically related natural and synthetic double salts. <i>American Mineralogist</i> , 2010, 95, 47-51.	1.9	17
20	Use of ⁷³ Ge NMR Spectroscopy and X-ray Crystallography for the Study of Electronic Interactions in Substituted Tetrakis(phenyl)-, -(phenoxy)-, and -(thiophenoxy)germanes. <i>Organometallics</i> , 2010, 29, 582-590.	2.3	16
21	⁷³ Ge NMR Spectral Investigations of Singly Bonded Oligogermanes. <i>Organometallics</i> , 2009, 28, 3067-3073.	2.3	29
22	The Change in Publication Rates at Undergraduate Institutions during the Last Three Decades. <i>Journal of Chemical Education</i> , 2009, 86, 876.	2.3	4
23	Exploration of SO ₂ Scrubbers: An Environmental Chemistry Project. <i>Journal of Chemical Education</i> , 2009, 86, 225.	2.3	2
24	The Synthesis and Characterization of Rouaite, a Copper Hydroxy Nitrate. An Integrated First-Year Laboratory Project. <i>Journal of Chemical Education</i> , 2009, 86, 80.	2.3	3
25	Use of ⁷³ Ge NMR Spectroscopy for the Study of Electronic Interactions. <i>Inorganic Chemistry</i> , 2008, 47, 10765-10770.	4.0	13
26	Application of the simple salt lattice energy approximation to the solubility of minerals. <i>American Mineralogist</i> , 2006, 91, 747-752.	1.9	21
27	Geochemical applications of the simple salt approximation to the lattice energies of complex materials. <i>American Mineralogist</i> , 2005, 90, 488-496.	1.9	55
28	Synthesis and Analysis of Copper Hydroxy Double Salts. <i>Journal of Chemical Education</i> , 2005, 82, 1662.	2.3	3
29	Analysis of Natural Buffer Systems and the Impact of Acid Rain. An Environmental Project for First-Year Chemistry Students. <i>Journal of Chemical Education</i> , 2005, 82, 274.	2.3	6
30	A Simulation of the Interaction of Acid Rain with Soil Minerals. <i>Journal of Chemical Education</i> , 2004, 81, 246.	2.3	7
31	Preparation and Analysis of Libethenite: A Project for the First-Year Laboratory. <i>Journal of Chemical Education</i> , 2004, 81, 394.	2.3	2
32	Lattice Energies of Apatites and the Estimation of $\hat{I}^{\circ}\text{Hf}\hat{A}^{\circ}(\text{PO}_4^{3-}, \text{g})$. <i>Inorganic Chemistry</i> , 2004, 43, 2340-2345.	4.0	32
33	²⁰⁷ Pb NMR study of the adducts of triphenyllead chloride and diphenyllead dichloride. <i>Applied Organometallic Chemistry</i> , 2003, 17, 236-238.	3.5	8
34	A Silicon-29 NMR Study of Adduct Formation in Organosilanes. <i>Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry</i> , 2003, 33, 359-367.	1.8	2
35	A Simple Method for Determination of Solubility in the First-Year Laboratory. <i>Journal of Chemical Education</i> , 2003, 80, 560.	2.3	7
36	A Concept-Based Environmental Project for the First-Year Laboratory: Remediation of Barium-Contaminated Soil by In Situ Immobilization. <i>Journal of Chemical Education</i> , 2003, 80, 561.	2.3	4

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37	Properties and Reactions of Organosilanes and Organogermanes Containing the Potentially Bidentate $(X(CH_2)_n)_2$ Group. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 1825-1834.	1.8	0
38	The Synthesis and Analysis of Copper(I) Iodide. A First-Year Laboratory Project. Journal of Chemical Education, 2001, 78, 235.	2.3	9
39	Preparation and Analysis of Multiple Hydrates of Simple Salts. Journal of Chemical Education, 2000, 77, 509.	2.3	0
40	The Synthesis and Analysis of Ammine Complexes of Copper and Silver Sulfate: An Undergraduate Laboratory Project. Journal of Chemical Education, 2000, 77, 904.	2.3	4
41	The Reaction of Carboxylates with Chloromethyldimethylchlorosilane. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1985, 15, 321-326.	1.8	7