Claude H Yoder

List of Publications by Year
in descending order

41 papers	562 citations	759233 12 h-index	642732 23 g-index
41 all docs	41 docs citations	41 times ranked	642 citing authors

#	Article	IF	Citations
1	Protein-free formation of bone-like apatite: New insights into the key role of carbonation. Biomaterials, 2017, 127, 75-88.	11.4	77
2	Molecular water in nominally unhydrated carbonated hydroxylapatite: The key to a better understanding of bone mineral. American Mineralogist, 2014, 99, 16-27.	1.9	71
3	Geochemical applications of the simple salt approximation to the lattice energies of complex materials. American Mineralogist, 2005, 90, 488-496.	1.9	55
4	Structural Water in Carbonated Hydroxylapatite and Fluorapatite: Confirmation by Solid State 2H NMR. Calcified Tissue International, 2012, 90, 60-67.	3.1	55
5	Lattice Energies of Apatites and the Estimation of Î”HfÂ°(PO43-, g). Inorganic Chemistry, 2004, 43, 2340-2345.	4.0	32
6	⁷³Ge NMR Spectral Investigations of Singly Bonded Oligogermanes. Organometallics, 2009, 28, 3067-3073.	2.3	29
7	Dehydration and Rehydration of Carbonated Fluor- and Hydroxylapatite. Minerals (Basel,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.0	22
8	Application of the simple salt lattice energy approximation to the solubility of minerals. American Mineralogist, 2006, 91, 747-752.	1.9	21
9	The effect of incorporated carbonate and sodium on the IR spectra of A- and AB-type carbonated apatites. American Mineralogist, 2019, 104, 869-877.	1.9	18
10	The relative stability of stoichiometrically related natural and synthetic double salts. American Mineralogist, 2010, 95, 47-51.	1.9	17
11	Use of⁷³Ge NMR Spectroscopy and X-ray Crystallography for the Study of Electronic Interactions in Substituted Tetrakis(phenyl)-, -(phenoxy)-, and -(thiophenoxy)germanes. Organometallics, 2010, 29, 582-590.	2.3	16
12	Use of⁷³Ge NMR Spectroscopy for the Study of Electronic Interactions. Inorganic Chemistry, 2008, 47, 10765-10770.	4.0	13
13	Structural effects on incorporated water in carbonated apatites. American Mineralogist, 2015, 100, 274-280.	1.9	11
14	Substitution of sulfate in apatite. American Mineralogist, 2017, 102, 1971-1976.	1.9	10
15	The Synthesis and Analysis of Copper(I) Iodide. A First-Year Laboratory Project. Journal of Chemical Education, 2001, 78, 235.	2.3	9
16	Synthesis and structure of carbonated barium and lead fluorapatites: Effect of cation size on A-type carbonate substitution. American Mineralogist, 2014, 99, 2176-2186.	1.9	9
17	A207Pb NMR study of the adducts of triphenyllead chloride and diphenyllead dichloride. Applied Organometallic Chemistry, 2003, 17, 236-238.	3.5	8
18	The Reaction of Carboxylates with Chloromethyldimethylchlorosilane. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 1985, 15, 321-326.	1.8	7

#	Article	IF	Citations
19	A Simple Method for Determination of Solubility in the First-Year Laboratory. Journal of Chemical Education, 2003, 80, 560.	2.3	7
20	A Simulation of the Interaction of Acid Rain with Soil Minerals. Journal of Chemical Education, 2004, 81, 246.	2.3	7
21	Analysis of Natural Buffer Systems and the Impact of Acid Rain. An Environmental Project for First-Year Chemistry Students. Journal of Chemical Education, 2005, 82, 274.	2.3	6
22	A-type substitution in carbonated strontium fluor-, chlor- and hydroxylapatites. Mineralogical Magazine, 2015, 79, 399-412.	1.4	6
23	A-type carbonate in strontium phosphate apatites. American Mineralogist, 2019, 104, 438-446.	1.9	5
24	A new model for the rationalization of the thermal behavior of carbonated apatites. Journal of Thermal Analysis and Calorimetry, 2020, 140, 2179-2184.	3.6	5
25	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
26	A Concept-Based Environmental Project for the First-Year Laboratory: Remediation of Barium-Contaminated Soil by In Situ Immobilization. Journal of Chemical Education, 2003, 80, 561.	2.3	4
27	The Change in Publication Rates at Undergraduate Institutions during the Last Three Decades. Journal of Chemical Education, 2009, 86, 876.	2.3	4
28	95Mo NMR study of the effect of structure on complexation of molybdate with alpha and beta hydroxy carboxylic acid ligands. Polyhedron, 2016, 114, 23-28.	2.2	4
29	The synthesis of phosphate and vanadate apatites using an aqueous one-step method. Polyhedron, 2017, 127, 403-409.	2.2	4
30	Worth a Closer Look: Raman Spectra of Lead-Pipe Scale. Minerals (Basel, Switzerland), 2021, 11, 1047.	2.0	4
31	Synthesis and Analysis of Copper Hydroxy Double Salts. Journal of Chemical Education, 2005, 82, 1662.	2.3	3
32	The Synthesis and Characterization of Rouaite, a Copper Hydroxy Nitrate. An Integrated First-Year Laboratory Project. Journal of Chemical Education, 2009, 86, 80.	2.3	3
33	Hypercoordination in triphenyl oxinates of the group 14 elements. Journal of Organometallic Chemistry, 2010, 695, 518-523.	1.8	3
34	Europium-Doped Carbonated Apatites. Minerals (Basel, Switzerland), 2022, 12, 503.	2.0	3
35	A Siliconâ€29 NMR Study of Adduct Formation in Organosilanes. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 359-367.	1.8	2
36	Preparation and Analysis of Libethenite: A Project for the First-Year Laboratory. Journal of Chemical Education, 2004, 81, 394.	2.3	2

#	Article	IF	Citations
37	Exploration of SO2 Scrubbers: An Environmental Chemistry Project. Journal of Chemical Education, 2009, 86, 225.	2.3	2
38	Incorporation of fluorophosphate in apatite. Polyhedron, 2018, 145, 176-181.	2.2	2
39	The carbonate location in mixed calcium and strontium carbonated apatites. Polyhedron, 2020, 179, 114365.	2.2	2
40	Preparation and Analysis of Multiple Hydrates of Simple Salts. Journal of Chemical Education, 2000, 77, 509.	2.3	0
41	Properties and Reactions of Organosilanes and Organogermanes Containing the Potentially Bidentate (X(CH2)n)2Nâ€Group. Synthesis and Reactivity in Inorganic, Metal Organic, and Nano Metal Chemistry, 2003, 33, 1825-1834.	1.8	0