Yuanming Pan

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/6795551/publications.pdf

Version: 2024-02-01

37 papers	847 citations	471509 17 h-index	477307 29 g-index
38 all docs	38 docs citations	38 times ranked	899 citing authors

#	Article	IF	Citations
1	Early Paleozoic high-Mg diorite-granodiorite in the eastern Kunlun Orogen, western China: Response to continental collision and slab break-off. Lithos, 2014, 210-211, 129-146.	1.4	76
2	Hydrothermal synthesis of high purity zeolite A from natural kaolin without calcination. Microporous and Mesoporous Materials, 2014, 199, 50-56.	4.4	66
3	Electron paramagnetic resonance spectroscopy of Fe3+ ions in amethyst: thermodynamic potentials and magnetic susceptibility. Physics and Chemistry of Minerals, 2011, 38, 159-167.	0.8	46
4	Perfect KagomÃ© lattices in YCu₃(OH)₆Cl₃: a new candidate for the quantum spin liquid state. Journal of Materials Chemistry C, 2016, 4, 8772-8777.	5.5	46
5	New hydrothermal route for the synthesis of high purity nanoparticles of zeolite Y from kaolin and quartz. Microporous and Mesoporous Materials, 2016, 232, 77-85.	4.4	43
6	A possible genetic relationship between orogenic gold mineralization and post-collisional magmatism in the eastern Kunlun Orogen, western China. Ore Geology Reviews, 2017, 81, 342-357.	2.7	42
7	Radiation-damage-induced defects in quartz. I. Single-crystal W-band EPR study of hole centers in an electron-irradiated quartz. Physics and Chemistry of Minerals, 2008, 35, 103-115.	0.8	41
8	KB(PO₄)F: a novel acentric deep-ultraviolet material. Dalton Transactions, 2017, 46, 1677-1683.	3.3	40
9	Arsenic speciation in synthetic gypsum (CaSO4Â·2H2O): A synchrotron XAS, single-crystal EPR, and pulsed ENDOR study. Geochimica Et Cosmochimica Acta, 2013, 106, 524-540.	3.9	37
10	Retention and chemical speciation of uranium in an oxidized wetland sediment from the Savannah River Site. Journal of Environmental Radioactivity, 2014, 131, 40-46.	1.7	37
11	Radiation-induced defects in quartz. III. Single-crystal EPR, ENDOR and ESEEM study of a peroxy radical. Physics and Chemistry of Minerals, 2009, 36, 61-73.	0.8	31
12	Arsenic Incorporation in Synthetic Struvite (NH₄MgPO₄Â·6H₂O): A Synchrotron XAS and Single-Crystal EPR Study. Environmental Science & Technology, 2013, 47, 12728-12735.	10.0	30
13	Sequestration of Selenite and Selenate in Gypsum (CaSO₄Â·2H₂O): Insights from the Single-Crystal Electron Paramagnetic Resonance Spectroscopy and Synchrotron X-ray Absorption Spectroscopy Study. Environmental Science & Technology, 2020, 54, 3169-3180.	10.0	27
14	Hygroscopic La[B5O8(OH)]NO3Â·2H2O: Insight into the evolution of borate fundamental building blocks. Journal of Solid State Chemistry, 2013, 206, 91-98.	2.9	24
15	Uptake and speciation of uranium in synthetic gypsum (CaSO 4 â€¢2H 2 O): Applications to radioactive mine tailings. Journal of Environmental Radioactivity, 2018, 181, 8-17.	1.7	22
16	Synthesis and magnetic properties of centennialite: a new SÂ=ÂÂ½ KagomÃ© antiferromagnet and comparison with herbertsmithite and kapellasite. Physics and Chemistry of Minerals, 2016, 43, 127-136.	0.8	21
17	Synthesis and characterization of novel barium iron phosphates: Insight into new structure types tailored by hydrogen atoms. Journal of Solid State Chemistry, 2014, 212, 48-57.	2.9	19
18	73Ge, 17O and 29Si hyperfine interactions of the center in crystalline SiO2. Journal of Magnetic Resonance, 2013, 233, 7-16.	2.1	17

#	Article	IF	Citations
19	Strong spin frustration from isolated triangular Cu(<scp>ii</scp>) trimers in SrCu(OH)₃Cl with a novel cuprate layer. Journal of Materials Chemistry C, 2014, 2, 8170-8178.	5.5	17
20	Synthesis and crystal structure of a new open-framework iron phosphate (NH4)4Fe3(OH)2F2[H3(PO4)4]: Novel linear trimer of corner-sharing Fe(III) octahedra. Journal of Solid State Chemistry, 2010, 183, 2763-2769.	2.9	16
21	Hemimorphite as a natural sink for arsenic in zinc deposits and related mine tailings: Evidence from single-crystal EPR spectroscopy and hydrothermal synthesis. Geochimica Et Cosmochimica Acta, 2010, 74, 2943-2956.	3.9	16
22	Uranyl binding mechanism in microcrystalline silicas: A potential missing link for uranium mineralization by direct uranyl co-precipitation and environmental implications. Geochimica Et Cosmochimica Acta, 2021, 292, 518-531.	3.9	16
23	Iron pairs in beryl: New insights from electron paramagnetic resonance, synchrotron X-ray absorption spectroscopy, and ab initio calculations. American Mineralogist, 2013, 98, 1745-1753.	1.9	15
24	Silurian-Devonian granites and associated intermediate-mafic rocks along the eastern Kunlun Orogen, western China: Evidence for a prolonged post-collisional lithospheric extension. Gondwana Research, 2021, 89, 131-146.	6.0	15
25	Controls on the formation of Cu-rich magmas: Insights from the Late Triassic post-collisional Saishitang complex in the eastern Kunlun Orogen, western China. Lithos, 2017, 278-281, 400-418.	1.4	14
26	Mechanism of Gd3+ uptake in gypsum (CaSO4Â·2H2O): Implications for EPR dating, REE recovery and REE behavior. Geochimica Et Cosmochimica Acta, 2019, 258, 63-78.	3.9	13
27	Investigation on pseudosymmetry, twinning and disorder in crystal structure determinations: Ba(H2O)M2III[PO3(OH)]4 (M=Fe, V) as examples. Journal of Solid State Chemistry, 2012, 187, 89-96.	2.9	12
28	Arsenic Speciation in Newberyite (MgHPO₄Â·3H₂O) Determined by Synchrotron X-ray Absorption and Electron Paramagnetic Resonance Spectroscopies: Implications for the Fate of Arsenic in Green Fertilizers. Environmental Science & Technology, 2014, 48, 6938-6946.	10.0	12
29	Green synthesis and characterization of zeolite silicalite-1 from recycled mother liquor. Microporous and Mesoporous Materials, 2020, 303, 110247.	4.4	12
30	Synthesis and characterization of mixed-valence manganese fluorophosphate and analogues with clathrate-like structures: Mn^{III}₆F₁₂(PO₃(OH))₈[Na₈(K_x)(H₃/s (M^{IV} = Mn, Ti, Ge). Dalton Transactions, 2015, 44, 7960-7966.	3.3	5
31	Novel phosphate halides BaMnIII[PO4]FCl and BaMnIII[PO4]F2: Effects of mixed halides on crystal structures and magnetic properties. Journal of Solid State Chemistry, 2016, 234, 29-35.	2.9	5
32	Crystal structure and magnetic properties of the magnetically isolated zigzag chain in KGaCu(PO₄)₂. Dalton Transactions, 2021, 50, 7835-7842.	3.3	4
33	Electron Paramagnetic Resonance and Synchrotron X-ray Absorption Spectroscopy for Highly Sensitive Characterization of Calcium Arsenates. Environmental Science & Technology, 2022, 56, 5563-5571.	10.0	4
34	Rational Design of (NH4)Cu[PO4] with a Spin Gapped, Distorted Honeycomb Layer. European Journal of Inorganic Chemistry, 2020, 2020, 1286-1292.	2.0	3
35	Molecular Structure of Molybdate Adsorption on Goethite at pH 5â€“8: A Combined DFT + U, EXAFS, and Ab Initio XANES Study. Journal of Physical Chemistry C, 2021, 125, 22052-22063.	3.1	2
36	BaCu(OH)₃Cl: a new one-dimensional Mott insulator with a CuO₂ chessboard layer. New Journal of Chemistry, 2018, 42, 18077-18083.	2.8	1

#	Article	IF	Citations
37	In situ X-ray diffraction study of chrysotile at high Pâ€“T conditions: transformation to the 3.65ÂÃ… phase. Physics and Chemistry of Minerals, 2021, 48, 1.	0.8	0