

Yuanming Pan

List of Publications by Year in descending order

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37
papers

847
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471509

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#	ARTICLE	IF	CITATIONS
1	Electron Paramagnetic Resonance and Synchrotron X-ray Absorption Spectroscopy for Highly Sensitive Characterization of Calcium Arsenates. <i>Environmental Science & Technology</i> , 2022, 56, 5563-5571.	10.0	4
2	Silurian-Devonian granites and associated intermediate-mafic rocks along the eastern Kunlun Orogen, western China: Evidence for a prolonged post-collisional lithospheric extension. <i>Gondwana Research</i> , 2021, 89, 131-146.	6.0	15
3	Uranyl binding mechanism in microcrystalline silicas: A potential missing link for uranium mineralization by direct uranyl co-precipitation and environmental implications. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 292, 518-531.	3.9	16
4	Crystal structure and magnetic properties of the magnetically isolated zigzag chain in $\text{KCaCu}(\text{PO}_4)_2$. <i>Dalton Transactions</i> , 2021, 50, 7835-7842.	3.3	4
5	In situ X-ray diffraction study of chrysotile at high P-T conditions: transformation to the 3.65 Å... phase. <i>Physics and Chemistry of Minerals</i> , 2021, 48, 1.	0.8	0
6	Molecular Structure of Molybdate Adsorption on Goethite at pH 5-8: A Combined DFT + U, EXAFS, and Ab Initio XANES Study. <i>Journal of Physical Chemistry C</i> , 2021, 125, 22052-22063.	3.1	2
7	Rational Design of $(\text{NH}_4)_2\text{Cu}[\text{PO}_4]_2$ with a Spin Gapped, Distorted Honeycomb Layer. <i>European Journal of Inorganic Chemistry</i> , 2020, 2020, 1286-1292.	2.0	3
8	Sequestration of Selenite and Selenate in Gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$): Insights from the Single-Crystal Electron Paramagnetic Resonance Spectroscopy and Synchrotron X-ray Absorption Spectroscopy Study. <i>Environmental Science & Technology</i> , 2020, 54, 3169-3180.	10.0	27
9	Green synthesis and characterization of zeolite silicalite-1 from recycled mother liquor. <i>Microporous and Mesoporous Materials</i> , 2020, 303, 110247.	4.4	12
10	Mechanism of Gd^{3+} uptake in gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$): Implications for EPR dating, REE recovery and REE behavior. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 258, 63-78.	3.9	13
11	Uptake and speciation of uranium in synthetic gypsum ($\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$): Applications to radioactive mine tailings. <i>Journal of Environmental Radioactivity</i> , 2018, 181, 8-17.	1.7	22
12	$\text{BaCu}(\text{OH})_3\text{Cl}$: a new one-dimensional Mott insulator with a CuO_2 chessboard layer. <i>New Journal of Chemistry</i> , 2018, 42, 18077-18083.	2.8	1
13	Controls on the formation of Cu-rich magmas: Insights from the Late Triassic post-collisional Saishitang complex in the eastern Kunlun Orogen, western China. <i>Lithos</i> , 2017, 278-281, 400-418.	1.4	14
14	A possible genetic relationship between orogenic gold mineralization and post-collisional magmatism in the eastern Kunlun Orogen, western China. <i>Ore Geology Reviews</i> , 2017, 81, 342-357.	2.7	42
15	$\text{KB}(\text{PO}_4)_2\text{F}$: a novel acentric deep-ultraviolet material. <i>Dalton Transactions</i> , 2017, 46, 1677-1683.	3.3	40
16	Perfect Kagomé lattices in $\text{YCu}_3(\text{OH})_6\text{Cl}_3$: a new candidate for the quantum spin liquid state. <i>Journal of Materials Chemistry C</i> , 2016, 4, 8772-8777.	5.5	46
17	New hydrothermal route for the synthesis of high purity nanoparticles of zeolite Y from kaolin and quartz. <i>Microporous and Mesoporous Materials</i> , 2016, 232, 77-85.	4.4	43
18	Novel phosphate halides $\text{BaMnIII}[\text{PO}_4]\text{FCl}$ and $\text{BaMnIII}[\text{PO}_4]\text{F}_2$: Effects of mixed halides on crystal structures and magnetic properties. <i>Journal of Solid State Chemistry</i> , 2016, 234, 29-35.	2.9	5

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19	Synthesis and magnetic properties of centennialite: a new $S\hat{A}=\hat{A}\hat{A}^{1/2}$ Kagom \hat{A} antiferromagnet and comparison with herbertsmithite and kapellasite. <i>Physics and Chemistry of Minerals</i> , 2016, 43, 127-136.	0.8	21
20	Synthesis and characterization of mixed-valence manganese fluorophosphate and analogues with clathrate-like structures: $Mn^{III}_{6}F_{12}(PO_3(OH))_8[Na_8(K_{\hat{A}})(H_{\hat{A}})_3]$ (M ^{IV} = Mn, Ti, Ge). <i>Dalton Transactions</i> , 2015, 44, 7960-7966.		
21	Synthesis and characterization of novel barium iron phosphates: Insight into new structure types tailored by hydrogen atoms. <i>Journal of Solid State Chemistry</i> , 2014, 212, 48-57.	2.9	19
22	Early Paleozoic high-Mg diorite-granodiorite in the eastern Kunlun Orogen, western China: Response to continental collision and slab break-off. <i>Lithos</i> , 2014, 210-211, 129-146.	1.4	76
23	Strong spin frustration from isolated triangular Cu(\hat{A}) trimers in $SrCu_3(OH)Cl$ with a novel cuprate layer. <i>Journal of Materials Chemistry C</i> , 2014, 2, 8170-8178.	5.5	17
24	Hydrothermal synthesis of high purity zeolite A from natural kaolin without calcination. <i>Microporous and Mesoporous Materials</i> , 2014, 199, 50-56.	4.4	66
25	Arsenic Speciation in Newberyite ($MgHPO_4 \cdot 3H_2O$) Determined by Synchrotron X-ray Absorption and Electron Paramagnetic Resonance Spectroscopies: Implications for the Fate of Arsenic in Green Fertilizers. <i>Environmental Science & Technology</i> , 2014, 48, 6938-6946.	10.0	12
26	Retention and chemical speciation of uranium in an oxidized wetland sediment from the Savannah River Site. <i>Journal of Environmental Radioactivity</i> , 2014, 131, 40-46.	1.7	37
27	^{73}Ge , ^{17}O and ^{29}Si hyperfine interactions of the center in crystalline SiO_2 . <i>Journal of Magnetic Resonance</i> , 2013, 233, 7-16.	2.1	17
28	Arsenic Incorporation in Synthetic Struvite ($NH_4MgPO_4 \cdot 6H_2O$): A Synchrotron XAS and Single-Crystal EPR Study. <i>Environmental Science & Technology</i> , 2013, 47, 12728-12735.	10.0	30
29	Arsenic speciation in synthetic gypsum ($CaSO_4 \cdot 2H_2O$): A synchrotron XAS, single-crystal EPR, and pulsed ENDOR study. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 106, 524-540.	3.9	37
30	Hygroscopic $La[B_5O_8(OH)]NO_3 \cdot 2H_2O$: Insight into the evolution of borate fundamental building blocks. <i>Journal of Solid State Chemistry</i> , 2013, 206, 91-98.	2.9	24
31	Iron pairs in beryl: New insights from electron paramagnetic resonance, synchrotron X-ray absorption spectroscopy, and ab initio calculations. <i>American Mineralogist</i> , 2013, 98, 1745-1753.	1.9	15
32	Investigation on pseudosymmetry, twinning and disorder in crystal structure determinations: $Ba(H_2O)M_2III[PO_3(OH)]_4$ (M=Fe, V) as examples. <i>Journal of Solid State Chemistry</i> , 2012, 187, 89-96.	2.9	12
33	Electron paramagnetic resonance spectroscopy of Fe^{3+} ions in amethyst: thermodynamic potentials and magnetic susceptibility. <i>Physics and Chemistry of Minerals</i> , 2011, 38, 159-167.	0.8	46
34	Synthesis and crystal structure of a new open-framework iron phosphate $(NH_4)_4Fe_3(OH)_2F_2[H_3(PO_4)_4]$: Novel linear trimer of corner-sharing $Fe(III)$ octahedra. <i>Journal of Solid State Chemistry</i> , 2010, 183, 2763-2769.	2.9	16
35	Hemimorphite as a natural sink for arsenic in zinc deposits and related mine tailings: Evidence from single-crystal EPR spectroscopy and hydrothermal synthesis. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 2943-2956.	3.9	16
36	Radiation-induced defects in quartz. III. Single-crystal EPR, ENDOR and ESEEM study of a peroxy radical. <i>Physics and Chemistry of Minerals</i> , 2009, 36, 61-73.	0.8	31

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37	Radiation-damage-induced defects in quartz. I. Single-crystal W-band EPR study of hole centers in an electron-irradiated quartz. <i>Physics and Chemistry of Minerals</i> , 2008, 35, 103-115.	0.8	41