

Zongqiang Zhu

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Removal of Copper (II) from Aqueous Solution by a Hierarchical Porous Hydroxylapatite-Biochar Composite Prepared with Sugarcane Top Internode Biotemplate. <i>Water (Switzerland)</i> , 2022, 14, 839.	2.7	3
2	Effective Remediation of Arsenic-Contaminated Soils by EK-PRB of Fe/Mn/C-LDH: Performance, Characteristics, and Mechanism. <i>International Journal of Environmental Research and Public Health</i> , 2022, 19, 4389.	2.6	5
3	Dissolution of the smithsonite-rhodochrosite (ZnCO ₃ -MnCO ₃) solid solutions in aqueous solution at 25 °C. <i>Chemical Geology</i> , 2022, 602, 120886.	3.3	4
4	Elimination of zinc ions from aqueous solution by a hydroxylapatite-biochar composite material with the hierarchical porous microstructures of sugarcane waste. <i>Journal of Cleaner Production</i> , 2022, 362, 132483.	9.3	5
5	Dissolution and Solubility of the Calcite-Otavite Solid Solutions [(Ca ^{1-x} Cd ^x)CO ₃] at 25 °C. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 756.	2.0	2
6	A comparative study on the dissolution and stability of beudantite and hidalgoite at pH 2 and 25-45 °C for the possible long-term simultaneous immobilization of arsenic and lead. <i>Chemosphere</i> , 2021, 263, 128386.	8.2	3
7	Dissolution and solubility of calcite-rhodochrosite solid solutions [(Ca _{1-x} Mn _x)CO ₃] at 25 °C. <i>Geochemical Transactions</i> , 2021, 22, 1.	0.7	5
8	Dissolution, Solubility, and Stability of the Basic Ferric Sulfate-Arsenates [Fe(SO ₄) _x (AsO ₄) _y (OH) _z ·nH ₂ O] at 25-45 °C and pH 2-10. <i>Journal of Chemistry</i> , 2021, 2021, 1-14.	1.9	0
9	Dissolution and solubility of rhomboclase and arsenic-substituted rhomboclase phases at pH 2 and 25-45 °C. <i>Applied Geochemistry</i> , 2021, 132, 105075.	3.0	2
10	Enhanced Arsenic Removal from Aqueous Solution by Fe/Mn-C Layered Double Hydroxide Composite. <i>Adsorption Science and Technology</i> , 2021, 2021, 1-12.	3.2	10
11	Comparative study on As(III) and As(V) adsorption by -intercalated Fe/Mn-LDHs from aqueous solution. <i>Blue-Green Systems</i> , 2021, 3, 175-190.	2.0	3
12	Applications of Biochar and Modified Biochar in Heavy Metal Contaminated Soil: A Descriptive Review. <i>Sustainability</i> , 2021, 13, 14041.	3.2	44
13	Characterization, dissolution and solubility of lead fluorapatite at 25-45 °C. <i>Applied Geochemistry</i> , 2020, 120, 104659.	3.0	2
14	Mn-Fe Layered Double Hydroxide Intercalated with Ethylene-Diaminetetraacetate Anion: Synthesis and Removal of As(III) from Aqueous Solution around pH 2-11. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9341.	2.6	4
15	Dissolution, Stability and Solubility of Tooeleite [Fe ₆ (AsO ₃) ₄ (SO ₄)(OH) ₄ ·4H ₂ O] at 25-45 °C and pH 2-12. <i>Minerals (Basel, Switzerland)</i> , 2020, 10, 921.	2.0	5
16	Purification Behavior of Zn(II) in Water by Magnesium Hydroxyapatite: Surface Complexation, and Dissolution-Precipitation. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 3804.	2.6	6
17	Electrically Pore-Size-Tunable Polypyrrole Membrane for Antifouling and Selective Separation. <i>Advanced Functional Materials</i> , 2019, 29, 1903081.	14.9	45
18	Arsenic immobilization from aqueous solution by the precipitation of the pseudo-octahedral arsenate-substituted natroalunite solid solutions. <i>Science of the Total Environment</i> , 2019, 669, 754-766.	8.0	7

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19	Dissolution and Solubility of the Synthetic Natroalunite and the Arsenic-Incorporated Natroalunite at pH of 2.00–5.60 and 25–45°C. <i>Journal of Chemistry</i> , 2019, 2019, 1-15.	1.9	3
20	Characterization of Lead Uptake by Nano-Sized Hydroxyapatite: A Molecular Scale Perspective. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 599-607.	2.7	33
21	Preparation of a porous hydroxyapatite-carbon composite with the bio-template of sugarcane top stems and its use for the Pb(II) removal. <i>Journal of Cleaner Production</i> , 2018, 187, 650-661.	9.3	61
22	Dissolution and Solubility Product of Cd-Fluorapatite $[Cd_5(PO_4)_3F]$ at pH of 2–9 and 25–45°C. <i>Journal of Chemistry</i> , 2018, 2018, 1-9.	1.9	2
23	A hierarchical porous adsorbent of nano- γ -Fe ₂ O ₃ /Fe ₃ O ₄ on bamboo biochar (HPA-Fe/C-B) for the removal of phosphate from water. <i>Journal of Water Process Engineering</i> , 2018, 25, 96-104.	5.6	40
24	FIXED-BED COLUMN ADSORPTION OF ARSENIC(V) BY POROUS COMPOSITE OF MAGNETITE/HEMATITE/CARBON WITH EUCALYPTUS WOOD MICROSTRUCTURE. <i>Journal of Environmental Engineering and Landscape Management</i> , 2018, 26, 38-56.	1.0	15
25	Characterization, Dissolution, and Solubility of Zn-Substituted Hydroxylapatites $[(Zn_xCa_{1-x})_5(PO_4)_3OH]$ at 25°C. <i>Journal of Chemistry</i> , 2017, 2017, 1-13.	1.9	4
26	Characterization, dissolution and solubility of the hydroxypyromorphite–hydroxyapatite solid solution $[(Pb_xCa_{1-x})_5(PO_4)_3OH]$ at 25°C and pH 2–9. <i>Geochemical Transactions</i> , 2016, 17, 2.	0.7	41
27	Characterization, dissolution and solubility of cadmium–calcium hydroxyapatite solid solutions at 25°C. <i>Chemical Geology</i> , 2016, 423, 34-48.	3.3	19
28	Characterization, dissolution and solubility of synthetic cadmium hydroxylapatite $[Cd_5(PO_4)_3OH]$ at 25–45°C. <i>Geochemical Transactions</i> , 2015, 16, 9.	0.7	13
29	Synthesis of the lead-calcium HAP solid solutions. <i>Russian Journal of Applied Chemistry</i> , 2015, 88, 178-183.	0.5	1
30	Sorption-reduction removal of Cr(VI) from aqueous solution by the porous biomorph–genetic composite of γ -Fe ₂ O ₃ /Fe ₃ O ₄ /C with eucalyptus wood hierarchical microstructure. <i>Desalination and Water Treatment</i> , 2014, 52, 3133-3146.	1.0	10
31	Kinetics and Thermodynamics of Sorption for As(V) on the Porous Biomorph-Genetic Composite of γ -Fe ₂ O ₃ /Fe ₃ O ₄ /C with Eucalyptus Wood Hierarchical Microstructure. <i>Water, Air, and Soil Pollution</i> , 2013, 224, 1.	2.4	4
32	Kinetics and thermodynamic study of phosphate adsorption on the porous biomorph-genetic composite of γ -Fe ₂ O ₃ /Fe ₃ O ₄ /C with eucalyptus wood microstructure. <i>Separation and Purification Technology</i> , 2013, 117, 124-130.	7.9	35
33	Kinetics and thermodynamics of adsorption for arsenate ions on the hierarchical porous adsorbent of γ -Fe ₂ O ₃ /Fe ₃ O ₄ /C with bamboo bio-template. , 0, 76, 276-289.		1
34	Removal of Cd(II) from aqueous solution by a hierarchical porous hydroxylapatite-carbon composite prepared with the biotemplate of stalk internodes of sugarcane tops. , 0, 136, 341-355.		1
35	Strontium-doped hydroxyapatite as adsorbent effectively to remove lead ions from water. <i>Environmental Science and Pollution Research</i> , 0, , .	5.3	0