

Keiko Sasaki

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3775513/publications.pdf>

Version: 2024-02-01

293
papers

7,172
citations

76031

42
h-index

139680

61
g-index

296
all docs

296
docs citations

296
times ranked

6608
citing authors

#	ARTICLE	IF	CITATIONS
1	Designing novel magnesium oxysulfate cement for stabilization/solidification of municipal solid waste incineration fly ash. <i>Journal of Hazardous Materials</i> , 2022, 423, 127025.	6.5	89
2	Immobilization of strontium in geopolymers activated by different concentrations of sodium silicate solutions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 24298-24308.	2.7	6
3	Synthesis, characterization, and application of MOF@clay composite as a visible light-driven photocatalyst for Rhodamine B degradation. <i>Chemosphere</i> , 2022, 291, 132922.	4.2	20
4	Visible light-driven ZnCr double layer oxide photocatalyst composites with fly ashes for the degradation of ciprofloxacin. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 106970.	3.3	21
5	Stabilization/solidification of radioactive waste in geochemical aspects. , 2022, , 469-482.		0
6	Fabrication of Hydrotalcite-like Copper Hydroxyl Salts as a Photocatalyst and Adsorbent for Hexavalent Chromium Removal. <i>Minerals (Basel, Switzerland)</i> , 2022, 12, 182.	0.8	4
7	Highly esthetic, deodorant, and antibacterial tile with natural zeolite set via a blast furnace slag-based geopolymer. <i>Journal of the Ceramic Society of Japan</i> , 2022, 130, 100-106.	0.5	1
8	Fabrication of visible-light-active ZnCr mixed metal oxide/fly ash for photocatalytic activity toward pharmaceutical waste ciprofloxacin. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 108, 263-273.	2.9	8
9	Fabrication of graphitic carbon nitride/ZnTi-mixed metal oxide heterostructure: Robust photocatalytic decomposition of ciprofloxacin. <i>Journal of Alloys and Compounds</i> , 2022, 906, 164294.	2.8	19
10	Enhanced photocatalytic reduction of hexavalent chromium ions over Zn-bearing in CuZn hydroxy double salts: Insight into the structural investigation using extended X-ray absorption fine structure. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 645, 128893.	2.3	6
11	Recent development on core-shell photo(electro)catalysts for elimination of organic compounds from pharmaceutical wastewater. <i>Chemosphere</i> , 2022, 298, 134311.	4.2	21
12	Effect of ionic Fe(III) doping on montmorillonite for photocatalytic reduction of Cr(VI) in wastewater. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2022, 429, 113909.	2.0	6
13	Recent development of organic-inorganic hybrid photocatalysts for biomass conversion into hydrogen production. <i>Nanoscale Advances</i> , 2022, 4, 2561-2582.	2.2	24
14	A Critical Study of Cu ₂ O: Synthesis and Its Application in CO ₂ Reduction by Photochemical and Electrochemical Approaches. <i>Catalysts</i> , 2022, 12, 445.	1.6	11
15	Laccase-mediator system for enzymatic degradation of carbonaceous matter in the sequential pretreatment of double refractory gold ore from Syama mine, Mali. <i>Hydrometallurgy</i> , 2022, 212, 105894.	1.8	2
16	Effect of amino acids on the stability of anionic pollutants in fly ash blended cement. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107926.	3.3	0
17	Technical Development of Arsenic Reduction from Copper Resources by Kyushu University and Sumitomo Metal Mining Co. Ltd.. <i>Resources Processing</i> , 2022, 68, 124-131.	0.4	0
18	Determination of the roles of Fe ^{III} in the interface between titanium dioxide and montmorillonite in Fe ^{III} -doped montmorillonite/titanium dioxide composites as photocatalysts. <i>Applied Clay Science</i> , 2022, 227, 106577.	2.6	4

#	ARTICLE	IF	CITATIONS
19	Application of Geopolymer in Stabilization/Solidification of Hazardous Pollutants: A Review. <i>Molecules</i> , 2022, 27, 4570.	1.7	21
20	High-efficiency and low-carbon remediation of zinc contaminated sludge by magnesium oxysulfate cement. <i>Journal of Hazardous Materials</i> , 2021, 408, 124486.	6.5	61
21	Surfactant- and template-free hydrothermal assembly of Cu ₂ O visible light photocatalysts for trimethoprim degradation. <i>Applied Catalysis B: Environmental</i> , 2021, 284, 119741.	10.8	60
22	Effects of Mg compounds in hydroxylated calcined dolomite as an effective and sustainable substitute of lime to precipitate as ettringite for treatment of selenite/selenate in aqueous solution. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 610, 125782.	2.3	4
23	Structural characterizations of fly ash-based geopolymer after adsorption of various metal ions. <i>Environmental Technology (United Kingdom)</i> , 2021, 42, 941-951.	1.2	12
24	Synergistic ternary porous CN@PPy@MMt nanocomposite for efficient photocatalytic metronidazole mineralization: performance, mechanism, and pathways. <i>Environmental Science: Nano</i> , 2021, 8, 2261-2276.	2.2	16
25	Carbonaceous matter degradation by fungal enzyme treatment to improve Ag recovery from an Au-Ag-bearing concentrate. <i>Minerals Engineering</i> , 2021, 163, 106768.	1.8	8
26	A promising Zn-Ti layered double hydroxide/Fe-bearing montmorillonite composite as an efficient photocatalyst for Cr(VI) reduction: Insight into the role of Fe impurity in montmorillonite. <i>Applied Surface Science</i> , 2021, 546, 148835.	3.1	30
27	Effect of Si/Al molar ratio on the immobilization of selenium and arsenic oxyanions in geopolymer. <i>Environmental Pollution</i> , 2021, 274, 116509.	3.7	21
28	Elution characteristics of undesirable anionic species from fly ash blended cement in different aqueous solutions. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105171.	3.3	3
29	Synthesis and characterization of defective UiO-66 for efficient co-immobilization of arsenate and fluoride from single/binary solutions. <i>Environmental Pollution</i> , 2021, 278, 116841.	3.7	33
30	Environmental impact of amino acids on the release of selenate immobilized in hydrotalcite: Integrated interpretation of experimental and density-functional theory study. <i>Chemosphere</i> , 2021, 274, 129927.	4.2	5
31	Influence of Amino Acids on the Mobility of Iodide in Hydrocalumite. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 836.	0.8	0
32	Cubic Cu ₂ O nanoparticles decorated on TiO ₂ nanofiber heterostructure as an excellent synergistic photocatalyst for H ₂ production and sulfamethoxazole degradation. <i>Applied Catalysis B: Environmental</i> , 2021, 294, 120221.	10.8	79
33	Environmental impact of amino acids on selenate-bearing hydrocalumite: Experimental and DFT studies. <i>Environmental Pollution</i> , 2021, 288, 117687.	3.7	4
34	Fabrication and characterization of carbon quantum dots decorated hollow porous graphitic carbon nitride through polyaniline for photocatalysis. <i>Chemical Engineering Journal</i> , 2021, 426, 131739.	6.6	44
35	Single-step synthesis of oxygen-doped hollow porous graphitic carbon nitride for photocatalytic ciprofloxacin decomposition. <i>Chemical Engineering Journal</i> , 2021, 425, 130502.	6.6	41
36	Degradation of powder activated carbon by laccase-mediator system: Model experiments for the improvement of gold recovery from carbonaceous gold ore. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 106375.	3.3	8

#	ARTICLE	IF	CITATIONS
37	A simple tactic synthesis of hollow porous graphitic carbon nitride with significantly enhanced photocatalytic performance. <i>Chemical Communications</i> , 2021, 57, 6772-6775.	2.2	19
38	Effect of Na ₂ SO ₃ on the floatability of chalcopyrite and enargite. <i>Minerals Engineering</i> , 2021, 173, 107222.	1.8	16
39	Significance of Acid Washing after Biooxidation of Sulfides in Sequential Biotreatment of Double Refractory Gold Ore from the Syama Mine, Mali. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1316.	0.8	1
40	Fabrication of Adsorbed Fe(III) and Structurally Doped Fe(III) in Montmorillonite/TiO ₂ Composite for Photocatalytic Degradation of Phenol. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1381.	0.8	7
41	Effect of Sodium Metabisulfite on Selective Flotation of Chalcopyrite and Molybdenite. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 1377.	0.8	6
42	Synergistic effect of ClO ₄ ⁻ and Sr ²⁺ adsorption on alginate-encapsulated organo-montmorillonite beads: Implication for radionuclide immobilization. <i>Journal of Colloid and Interface Science</i> , 2020, 560, 338-348.	5.0	20
43	Pompon Dahlia-like Cu ₂ O/rGO Nanostructures for Visible Light Photocatalytic H ₂ Production and 4-Chlorophenol Degradation. <i>ChemCatChem</i> , 2020, 12, 1699-1709.	1.8	34
44	Understanding how specific functional groups in humic acid affect the sorption mechanisms of different calcinated layered double hydroxides. <i>Chemical Engineering Journal</i> , 2020, 392, 123633.	6.6	11
45	Spectroscopic and first-principles investigations of iodine species incorporation into ettringite: Implications for iodine migration in cement waste forms. <i>Journal of Hazardous Materials</i> , 2020, 389, 121880.	6.5	39
46	Immobilization mechanism of Se oxyanions in geopolymer: Effects of alkaline activators and calcined hydrotalcite additive. <i>Journal of Hazardous Materials</i> , 2020, 387, 121994.	6.5	43
47	Catalytic mechanism of activated carbon-assisted bioleaching of enargite concentrate. <i>Hydrometallurgy</i> , 2020, 196, 105417.	1.8	6
48	Production of valuable chemicals from oil palm biomass using hot-compressed water method. <i>Journal of Material Cycles and Waste Management</i> , 2020, 22, 1859-1866.	1.6	1
49	Bubble interactions with chalcopyrite and molybdenite surfaces in seawater. <i>Minerals Engineering</i> , 2020, 157, 106536.	1.8	11
50	Biological pretreatment of carbonaceous matter in double refractory gold ores: A review and some future considerations. <i>Hydrometallurgy</i> , 2020, 196, 105434.	1.8	20
51	Synthesis and characterization of imidazole-bearing polymer-modified montmorillonite for adsorption of perchlorate. <i>Applied Clay Science</i> , 2020, 199, 105859.	2.6	13
52	Fabrication and characterization of ternary sepiolite/g-C ₃ N ₄ /Pd composites for improvement of photocatalytic degradation of ciprofloxacin under visible light irradiation. <i>Journal of Colloid and Interface Science</i> , 2020, 577, 397-405.	5.0	58
53	Effect of carbonaceous matter on bioleaching of Cu from chalcopyrite ore. <i>Hydrometallurgy</i> , 2020, 195, 105363.	1.8	5
54	Self-tuning tetragonal zirconia-based bimetallic nano(hydr)oxides as superior and recyclable adsorbents in arsenic-tolerant environment: Template-free in and ex situ synthetic methods, stability, and mechanisms. <i>Chemical Engineering Journal</i> , 2020, 390, 124573.	6.6	10

#	ARTICLE	IF	CITATIONS
55	Stabilization of borate by hot isostatic pressing after co-precipitation with hydroxyapatite using MAP. <i>Chemosphere</i> , 2020, 254, 126860.	4.2	3
56	Mechanism analysis of selenium (VI) immobilization using alkaline-earth metal oxides and ferrous salt. <i>Chemosphere</i> , 2020, 248, 126123.	4.2	21
57	Energy-resolved distribution of electron traps for O/S-doped carbon nitrides by reversed double-beam photoacoustic spectroscopy and the photocatalytic reduction of Cr(VI). <i>Chemical Communications</i> , 2020, 56, 3793-3796.	2.2	28
58	Importance of ZnTiO ₃ Phase in ZnTi-Mixed Metal Oxide Photocatalysts Derived from Layered Double Hydroxide. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 9169-9180.	4.0	41
59	Macroscopic and microscopic behaviors of Mn(II) adsorption to goethite with the effects of dissolved carbonates under anoxic conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2020, 277, 300-319.	1.6	17
60	Influence of silicate on the structural memory effect of layered double hydroxides for the immobilization of selenium. <i>Journal of Hazardous Materials</i> , 2020, 395, 122674.	6.5	11
61	Effect of H ₂ O ₂ and potassium amyl xanthate on separation of enargite and tennantite from chalcopyrite and bornite using flotation. <i>Minerals Engineering</i> , 2020, 152, 106371.	1.8	32
62	Co-sorption of Sr ²⁺ and SeO ₄ ²⁻ as the surrogate of radionuclide by alginate-encapsulated graphene oxide-layered double hydroxide beads. <i>Environmental Research</i> , 2020, 187, 109712.	3.7	15
63	Transformation of the carbonaceous matter in double refractory gold ore by crude lignin peroxidase released from the white-rot fungus. <i>International Biodeterioration and Biodegradation</i> , 2019, 143, 104735.	1.9	19
64	Template free mild hydrothermal synthesis of core-shell Cu ₂ O(Cu)@CuO visible light photocatalysts for N-acetyl-aminophenol degradation. <i>Journal of Materials Chemistry A</i> , 2019, 7, 20767-20777.	5.2	46
65	Production of highly catalytic, archaeal Pd(0) bionanoparticles using <i>Sulfolobus tokodaii</i> . <i>Extremophiles</i> , 2019, 23, 549-556.	0.9	5
66	Effect of Natural Organic Matter Model Compounds on the Structure Memory Effect of Different Layered Double Hydroxides. <i>ACS Earth and Space Chemistry</i> , 2019, 3, 2175-2189.	1.2	20
67	Application of fly ash-based geopolymer for removal of cesium, strontium and arsenate from aqueous solutions: kinetic, equilibrium and mechanism analysis. <i>Water Science and Technology</i> , 2019, 79, 2116-2125.	1.2	24
68	Hydrothermal Treatment of Oil Palm Biomass in Batch and Semi-Flow Reactors. <i>Energy Procedia</i> , 2019, 158, 675-680.	1.8	7
69	A novel composite of layered double hydroxide/geopolymer for co-immobilization of Cs ⁺ and SeO ₄ ²⁻ from aqueous solution. <i>Science of the Total Environment</i> , 2019, 695, 133799.	3.9	32
70	Synthesis of modulator-driven highly stable zirconium-fumarate frameworks and mechanistic investigations of their arsenite and arsenate adsorption from aqueous solutions. <i>CrystEngComm</i> , 2019, 21, 2320-2332.	1.3	28
71	Acid tolerant covalently functionalized graphene oxide for the selective extraction of Pd from high-level radioactive liquid wastes. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4561-4573.	5.2	26
72	Reduction of undesirable element leaching from fly ash by adding hydroxylated calcined dolomite. <i>Waste Management</i> , 2019, 86, 23-35.	3.7	26

#	ARTICLE	IF	CITATIONS
73	Immobilization of cesium in fly ash-silica fume based geopolymers with different Si/Al molar ratios. <i>Science of the Total Environment</i> , 2019, 687, 1127-1137.	3.9	47
74	Arginine and lysine-functionalized layered double hydroxides as efficient sorbents for radioactive Co ²⁺ removal by chelate-facilitated immobilization. <i>Chemical Engineering Journal</i> , 2019, 374, 359-369.	6.6	34
75	Sequential pretreatment of double refractory gold ore (DRGO) with a thermophilic iron oxidizing archaeon and fungal crude enzymes. <i>Minerals Engineering</i> , 2019, 138, 86-94.	1.8	27
76	Application of fly ash-based materials for stabilization/solidification of cesium and strontium. <i>Environmental Science and Pollution Research</i> , 2019, 26, 23542-23554.	2.7	22
77	Mono-, Di-, and Tricarboxylic Acid Facilitated Lanthanum-Based Organic Frameworks: Insights into the Structural Stability and Mechanistic Approach for Superior Adsorption of Arsenate from Water. <i>ACS Sustainable Chemistry and Engineering</i> , 2019, 7, 6917-6928.	3.2	101
78	Suppression processes of anionic pollutants released from fly ash by various Ca additives. <i>Journal of Hazardous Materials</i> , 2019, 371, 474-483.	6.5	36
79	Dye-sensitized Photocatalyst of Sepiolite for Organic Dye Degradation. <i>Catalysts</i> , 2019, 9, 235.	1.6	36
80	A mechanistic investigation of highly stable nano ZrO ₂ decorated nitrogen-rich azacytosine tethered graphene oxide-based dendrimer for the removal of arsenite from water. <i>Chemical Engineering Journal</i> , 2019, 370, 1474-1484.	6.6	18
81	Double-Edged Effect of Humic Acid on Multiple Sorption Modes of Calcined Layered Double Hydroxides: Inhibition and Promotion. <i>Langmuir</i> , 2019, 35, 6267-6278.	1.6	11
82	Application of Simultaneous Immobilization of Borate and Arsenate in Mine Drainages by Co-Precipitation with Hydroxyapatite in a Pilot Scale. <i>Journal of MMIJ</i> , 2019, 135, 63-70.	0.4	0
83	Immobilization of selenate in cancrinite using a hydrothermal method. <i>Ceramics International</i> , 2018, 44, 8635-8642.	2.3	12
84	Structural Memory Effect of Mg-Al and Zn-Al layered Double Hydroxides in the Presence of Different Natural Humic Acids: Process and Mechanism. <i>Langmuir</i> , 2018, 34, 5386-5395.	1.6	77
85	A Mechanistic Approach for the Synthesis of Carboxylate-Rich Carbonaceous Biomass-Doped Lanthanum-Oxalate Nanocomplex for Arsenate Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 6052-6063.	3.2	39
86	Microbiological Redox Potential Control to Improve the Efficiency of Chalcopyrite Bioleaching. <i>Geomicrobiology Journal</i> , 2018, 35, 648-656.	1.0	32
87	Influence of the pre-dispersion of montmorillonite on organic modification and the adsorption of perchlorate and methyl red anions. <i>Applied Clay Science</i> , 2018, 154, 1-9.	2.6	14
88	Synergetic co-immobilization of SeO ₄ ²⁻ and Sr ²⁺ from aqueous solution onto multifunctional graphene oxide and carbon-dot based layered double hydroxide nanocomposites and their mechanistic investigation. <i>Journal of Materials Chemistry A</i> , 2018, 6, 10008-10018.	5.2	17
89	Calcination effect of borate-bearing hydroxyapatite on the mobility of borate. <i>Journal of Hazardous Materials</i> , 2018, 344, 90-97.	6.5	7
90	Floatability of molybdenite and chalcopyrite in artificial seawater. <i>Minerals Engineering</i> , 2018, 115, 117-130.	1.8	57

#	ARTICLE	IF	CITATIONS
91	Cosorption Characteristics of SeO ₄ ²⁻ and Sr ²⁺ Radioactive Surrogates Using 2D/2D Graphene Oxide-Layered Double Hydroxide Nanocomposites. ACS Sustainable Chemistry and Engineering, 2018, 6, 13854-13866.	3.2	26
92	Distributions and Leaching Behaviors of Toxic Elements in Fly Ash. ACS Omega, 2018, 3, 13055-13064.	1.6	51
93	Simultaneous immobilization of borate, arsenate, and silicate from geothermal water derived from mining activity by co-precipitation with hydroxyapatite. Chemosphere, 2018, 207, 139-146.	4.2	23
94	Selective flotation of chalcopyrite and molybdenite using H ₂ O ₂ oxidation method with the addition of ferrous sulfate. Minerals Engineering, 2018, 122, 312-326.	1.8	59
95	Effect of Fenton-like oxidation reagent on hydrophobicity and floatability of chalcopyrite and molybdenite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2018, 554, 34-48.	2.3	41
96	Behavior of sulfate ions during biogenic scorodite crystallization from dilute As(III)-bearing acidic waters. Hydrometallurgy, 2018, 180, 144-152.	1.8	19
97	Enhanced adsorption of perchlorate by gemini surfactant-modified montmorillonite: Synthesis, characterization and their adsorption mechanism. Applied Clay Science, 2018, 163, 46-55.	2.6	26
98	Effect of Sodium Sulfito on Floatability of Chalcopyrite and Molybdenite. Minerals (Basel), 2018, 10, 462-472.	0.8	21
99	Introduction of Advanced Graduate Program in Global Strategy for Green Asia, Kyushu University Program for Leading Graduate Schools. Journal of MMJ, 2018, 134, 110-116.	0.4	0
100	Experimental study on freeze drying of Loy Yang lignite and inhibiting water re-adsorption of dried lignite. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2017, 520, 146-153.	2.3	18
101	Selective removal of phosphate using La-porous carbon composites from aqueous solutions: Batch and column studies. Chemical Engineering Journal, 2017, 317, 1059-1068.	6.6	192
102	Characterization of the intermediate in formation of selenate-substituted ettringite. Cement and Concrete Research, 2017, 99, 30-37.	4.6	21
103	Synthesis of sucrose-derived porous carbon-doped Zr _x La _{1-x} OOH materials and their superior performance for the simultaneous immobilization of arsenite and fluoride from binary systems. Chemical Engineering Journal, 2017, 325, 1-13.	6.6	26
104	Novel biomolecule-assisted interlayer anion-controlled layered double hydroxide as an efficient sorbent for arsenate removal. Journal of Materials Chemistry A, 2017, 5, 14783-14793.	5.2	21
105	Characterization and Production of Solid Biofuel from Sugarcane Bagasse by Hydrothermal Carbonization. Waste and Biomass Valorization, 2017, 8, 1941-1951.	1.8	23
106	Selective adsorption of inorganic anions on unwashed and washed hexadecyl pyridinium-modified montmorillonite. Separation and Purification Technology, 2017, 176, 120-125.	3.9	17
107	Quantitative analysis of radiocesium retention onto birnessite and todorokite. Chemical Geology, 2017, 470, 141-151.	1.4	18
108	Optimization of Bioscorodite Crystallization for Treatment of As(III)-Bearing Wastewaters. Solid State Phenomena, 2017, 262, 555-558.	0.3	4

#	ARTICLE	IF	CITATIONS
109	Carbon-Dot-Decorated Layered Double Hydroxide Nanocomposites as a Multifunctional Environmental Material for Co-immobilization of SeO_4^{2-} and Sr^{2+} from Aqueous Solutions. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 9053-9064.	3.2	49
110	Solidification of ettringite after uptaking selenate as a surrogate of radionuclide in glass-ceramics by using industrial by-products. <i>Journal of Materials Science</i> , 2017, 52, 12999-13011.	1.7	15
111	Structural transformation of selenate ettringite: a hint for exfoliation chemistry. <i>RSC Advances</i> , 2017, 7, 42407-42415.	1.7	3
112	Selenite and selenate uptaken in ettringite: Immobilization mechanisms, coordination chemistry, and insights from structure. <i>Cement and Concrete Research</i> , 2017, 100, 166-175.	4.6	50
113	Fabrication of Chitosan-Reinforced $\text{ZrO}_2/\text{Al}_2\text{O}_3/\text{OOH}$ Nanocomposites and Their Arsenite and Fluoride Depollution Densities from Single/Binary Systems. <i>ChemistrySelect</i> , 2017, 2, 6375-6387.	0.7	9
114	A Triple-Electrode Based Dual-Biosensor System Utilizing Track-Etched Microporous Membrane Electrodes for the Simultaneous Determination of L-Lactate and D-Glucose. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 1211-1216.	2.0	12
115	Simultaneous Determination of Manganese Peroxidase and Lignin Peroxidase by Capillary Electrophoresis Enzyme Assays. <i>ACS Omega</i> , 2017, 2, 7329-7333.	1.6	15
116	Eco-Friendly Alkali-Free Arginine-Assisted Hydrothermal Synthesis of Different Layered Double Hydroxides and Their Chromate Adsorption/Reduction Efficiency. <i>ChemistrySelect</i> , 2017, 2, 10459-10469.	0.7	8
117	Effects of grinding montmorillonite and illite on their modification by dioctadecyl dimethyl ammonium chloride and adsorption of perchlorate. <i>Applied Clay Science</i> , 2017, 146, 325-333.	2.6	14
118	Selective flotation of chalcopyrite and molybdenite with H_2O_2 oxidation. <i>Minerals Engineering</i> , 2017, 100, 83-92.	1.8	91
119	Enhancement of fluoride immobilization in apatite by Al^{3+} additives. <i>Chemical Engineering Journal</i> , 2017, 311, 284-292.	6.6	7
120	Synergistic effect of Sr^{2+} and ReO_4^- adsorption on hexadecyl pyridinium-modified montmorillonite. <i>Applied Surface Science</i> , 2017, 394, 431-439.	3.1	23
121	Bio-modification of carbonaceous matter in gold ores: Model experiments using powdered activated carbon and cell-free spent medium of <i>Phanerochaete chrysosporium</i> . <i>Hydrometallurgy</i> , 2017, 168, 76-83.	1.8	26
122	Bioscorodite crystallization using <i>Acidianus brierleyi</i> : Effects caused by Cu(II) present in As(III) -bearing copper refinery wastewaters. <i>Hydrometallurgy</i> , 2017, 168, 121-126.	1.8	28
123	Electrolysis Oxidation of Chalcopyrite and Molybdenite for Selective Flotation. <i>Materials Transactions</i> , 2017, 58, 761-767.	0.4	25
124	Characterization of Solidified Cement Bearing Organo-Clay after Adsorption of Perchlorate as a Surrogate of an Anionic Radionuclide. <i>Journal of MMIJ</i> , 2017, 133, 235-240.	0.4	0
125	Effect of Hydrothermal Treatment Coupled with Mechanical Compression on Equilibrium Water Content of Loy Yang Lignite and Mechanism. <i>Materials Transactions</i> , 2016, 57, 935-942.	0.4	3
126	The Development of Fine Microgram Powder Electrode System and Its Application in the Analysis of Chalcopyrite Leaching Behavior. <i>Minerals (Basel, Switzerland)</i> , 2016, 6, 103.	0.8	3

#	ARTICLE	IF	CITATIONS
127	Classification of the Waste Fluorescent Lamps using Signal Processing and Discriminant Analysis. <i>Journal of MMIJ</i> , 2016, 132, 53-58.	0.4	1
128	Effect of Mg ²⁺ and Ca ²⁺ as divalent seawater cations on the floatability of molybdenite and chalcopyrite. <i>Minerals Engineering</i> , 2016, 96-97, 83-93.	1.8	110
129	Effects of hydrothermal treatment coupled with mechanical expression on combustion performance of Loy Yang lignite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016, 126, 1925-1935.	2.0	6
130	Interfacial effects of MgO in hydroxylated calcined dolomite on the co-precipitation of borates with hydroxyapatite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 504, 1-10.	2.3	6
131	Effect of kerosene emulsion in MgCl ₂ solution on the kinetics of bubble interactions with molybdenite and chalcopyrite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 501, 98-113.	2.3	41
132	Combustion performance of Loy Yang lignite treated using microwave irradiation treatment. <i>Thermochimica Acta</i> , 2016, 642, 81-87.	1.2	19
133	Effect of freeze drying on characteristics of Mg-Al layered double hydroxides and bimetallic oxide synthesis and implications for fluoride sorption. <i>Applied Clay Science</i> , 2016, 132-133, 460-467.	2.6	19
134	Encapsulation of a powdery spinel-type Li ⁺ ion sieve derived from biogenic manganese oxide in alginate beads. <i>Powder Technology</i> , 2016, 301, 1201-1207.	2.1	13
135	Microbial recovery of vanadium by the acidophilic bacterium, <i>Acidocella aromatica</i> . <i>Biotechnology Letters</i> , 2016, 38, 1475-1481.	1.1	10
136	Removal mechanism of arsenate by bimetallic and trimetallic hydrocalumites depending on arsenate concentration. <i>Applied Clay Science</i> , 2016, 134, 26-33.	2.6	14
137	Adsorption characteristics of arsenate on colloidal nanosheets of layered double hydroxide. <i>Applied Clay Science</i> , 2016, 134, 110-119.	2.6	24
138	Fe ₃ O ₄ /MgAl-NO ₃ layered double hydroxide as a magnetically separable sorbent for the remediation of aqueous phosphate. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 984-991.	3.3	37
139	Direct determination of lignin peroxidase released from <i>Phanerochaete chrysosporium</i> by in-capillary enzyme assay using micellar electrokinetic chromatography. <i>Journal of Chromatography A</i> , 2016, 1440, 145-149.	1.8	8
140	Optimization of hexadecylpyridinium-modified montmorillonite for removal of perchlorate based on adsorption mechanisms. <i>Applied Clay Science</i> , 2016, 123, 29-36.	2.6	23
141	Comparison of atmospheric citric acid leaching kinetics of nickel from different Indonesian saprolitic ores. <i>Hydrometallurgy</i> , 2016, 161, 138-151.	1.8	25
142	Synthesis of morphologically controlled hydroxyapatite from fish bone by urea-assisted hydrothermal treatment and its Sr ²⁺ sorption capacity. <i>Powder Technology</i> , 2016, 292, 314-322.	2.1	33
143	Catalytic effect of silver on arsenic-containing copper sulfide dissolution in acidic solution. <i>Hydrometallurgy</i> , 2016, 162, 1-8.	1.8	6
144	Removal mechanism of high concentration borate by co-precipitation with hydroxyapatite. <i>Journal of Environmental Chemical Engineering</i> , 2016, 4, 1092-1101.	3.3	16

#	ARTICLE	IF	CITATIONS
145	Hydrothermal treatment coupled with mechanical expression for Loy Yang lignite dewatering and the microscopic description of the process. <i>Drying Technology</i> , 2016, 34, 1471-1483.	1.7	13
146	Sequential modification of montmorillonite with dimethyl dioctadecyl ammonium chloride and benzyl octadecyl dimethyl ammonium chloride for removal of perchlorate. <i>Microporous and Mesoporous Materials</i> , 2016, 233, 117-124.	2.2	9
147	Influence of Mg components in hydroxylated calcined dolomite to (co-)precipitation of fluoride with apatites. <i>Chemical Engineering Journal</i> , 2016, 285, 487-496.	6.6	9
148	Comparison of effectiveness of citric acid and other acids in leaching of low-grade Indonesian saprolitic ores. <i>Minerals Engineering</i> , 2016, 85, 1-16.	1.8	75
149	Microwave-assisted hydrothermal synthesis of nanocrystalline lithium-ion sieve from biogenic manganese oxide, its characterization and lithium sorption studies. <i>Hydrometallurgy</i> , 2016, 165, 118-124.	1.8	15
150	Use of FTIR combined with forms of water to study the changes in hydrogen bonds during low-temperature heating of lignite. <i>Drying Technology</i> , 2016, 34, 185-193.	1.7	17
151	Recovery and Upgrading of Phosphorus from Digested Sewage Sludge as MAP by Physical Separation Techniques. <i>Journal of Environmental Protection</i> , 2016, 07, 816-824.	0.3	1
152	Silicate Covering Layer on Pyrite Surface in the Presence of Silicon–Catechol Complex for Acid Mine Drainage Prevention. <i>Materials Transactions</i> , 2015, 56, 1733-1741.	0.4	20
153	Rapid Synthesis of LDHs Using Dolomite as a Magnesium Source and Application to Borate Removal. <i>Materials Transactions</i> , 2015, 56, 224-228.	0.4	10
154	Selenium (Se) Removal from Copper Refinery Wastewater Using a Combination of Zero-Valent Iron (ZVI) and Se(VI)-Reducing Bacterium, <i>Thaurea selenatis&/i>. <i>Materials Transactions</i> , 2015, 56, 889-894.	0.4	4
155	Hydrothermal Treatment of Lignite for CO ₂ Gasification. <i>Journal of MMIJ</i> , 2015, 131, 219-225.	0.4	0
156	Sorption of arsenate on MgAl and MgFe layered double hydroxides derived from calcined dolomite. <i>Journal of Environmental Chemical Engineering</i> , 2015, 3, 1614-1621.	3.3	35
157	Bio-Modification of Carbonaceous Matters in Gold Ore: Model Experiments Using Powdered Activated Charcoal and Cell-Free Extracts of <i>Phanerochaete chrysosporium&/i>. <i>Advanced Materials Research</i> , 2015, 1130, 109-113.	0.3	1
158	Synthesis of a Biotemplated Lithium Ion-Sieve Derived from Fungally Formed Birnessite. <i>ACS Symposium Series</i> , 2015, , 169-183.	0.5	2
159	Mechanism of boron uptake by hydrocalumite calcined at different temperatures. <i>Journal of Hazardous Materials</i> , 2015, 287, 268-277.	6.5	35
160	Biooxidation of Gold-, Silver, and Antimony-Bearing Highly Refractory Polymetallic Sulfide Concentrates, and its Comparison with Abiotic Pretreatment Techniques. <i>Geomicrobiology Journal</i> , 2015, 32, 538-548.	1.0	12
161	Sorption of H ₃ BO ₃ /B(OH) ₄ ⁻ on calcined LDHs including different divalent metals. <i>Journal of Colloid and Interface Science</i> , 2015, 445, 183-194.	5.0	34
162	Surfactant-modified montmorillonite by benzyloctadecyldimethylammonium chloride for removal of perchlorate. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 481, 616-625.	2.3	37

#	ARTICLE	IF	CITATIONS
163	Bioreduction and immobilization of hexavalent chromium by the extremely acidophilic Fe(III)-reducing bacterium <i>Acidocella aromatica</i> strain PFBC. <i>Extremophiles</i> , 2015, 19, 495-503.	0.9	31
164	Effect of surfactant molecular structure on perchlorate removal by various organo-montmorillonites. <i>Applied Clay Science</i> , 2015, 114, 212-220.	2.6	23
165	Investigation of the Changes in Hydrogen Bonds During Low-Temperature Pyrolysis of Lignite by Diffuse Reflectance FT-IR Combined with Forms of Water. <i>Industrial & Engineering Chemistry Research</i> , 2015, 54, 8971-8978.	1.8	23
166	Sorption properties of boron on Mg-Al bimetallic oxides calcined at different temperatures. <i>Separation and Purification Technology</i> , 2015, 152, 192-199.	3.9	5
167	Removal mechanism of polymeric borate by calcined layered double hydroxides containing different divalent metals. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2015, 482, 702-709.	2.3	7
168	Suppression of pyrite oxidation in acid mine drainage by carrier microencapsulation using liquid product of hydrothermal treatment of low-rank coal, and electrochemical behavior of resultant encapsulating coatings. <i>Hydrometallurgy</i> , 2015, 158, 83-93.	1.8	24
169	Evaluation of Sorption Characteristics of Lithium Ions in Simulated Geothermal Waters on Bio-Templated Ion Sieve. <i>Journal of MMIJ</i> , 2015, 131, 465-469.	0.4	0
170	Sorption Mechanism of Boron to Magnesium Hydroxide using Co-precipitation Process in Aqueous Solution. <i>Journal of MMIJ</i> , 2014, 130, 155-161.	0.4	11
171	Screening micro-organisms for cadmium absorption from aqueous solution and cadmium absorption properties of <i>Arthrobacter nicotianae</i> . <i>Bioscience, Biotechnology and Biochemistry</i> , 2014, 78, 1791-1796.	0.6	12
172	In situ X-ray diffraction investigation of the evolution of a nanocrystalline lithium-ion sieve from biogenic manganese oxide. <i>Hydrometallurgy</i> , 2014, 150, 253-258.	1.8	9
173	Effects of trace elements in fish bones on crystal characteristics of hydroxyapatite obtained by calcination. <i>Ceramics International</i> , 2014, 40, 10777-10785.	2.3	66
174	Contribution of boron-specific resins containing N-methylglucamine groups to immobilization of borate/boric acid in a permeable reactive barrier comprising agglomerated MgO. <i>Desalination</i> , 2014, 337, 109-116.	4.0	11
175	Effect of calcination temperature for magnesite on interaction of MgO-rich phases with boric acid. <i>Ceramics International</i> , 2014, 40, 1651-1660.	2.3	26
176	Microbial formation of crystalline scorodite for treatment of As(III)-bearing copper refinery process solution using <i>Acidianus brierleyi</i> . <i>Hydrometallurgy</i> , 2014, 143, 34-41.	1.8	51
177	Geochemical Evaluation of Arsenic and Manganese in Shallow Groundwater and Core Sediment in Singair Upazila, Central Bangladesh. <i>Arabian Journal for Science and Engineering</i> , 2014, 39, 5585-5601.	1.1	17
178	The Hot Compressed Water Treatment of Solid Waste Material from the Sugar Industry for Valuable Chemical Production. <i>International Journal of Green Energy</i> , 2014, 11, 577-588.	2.1	14
179	Selective flotation of chalcopyrite and molybdenite with plasma pre-treatment. <i>Minerals Engineering</i> , 2014, 66-68, 102-111.	1.8	82
180	Adsorption characteristics of Cs ⁺ on biogenic birnessite. <i>Applied Clay Science</i> , 2014, 101, 23-29.	2.6	13

#	ARTICLE	IF	CITATIONS
181	Sorption of borate onto layered double hydroxides assembled on filter paper through in situ hydrothermal crystallization. <i>Applied Clay Science</i> , 2014, 88-89, 134-143.	2.6	5
182	Speciation of arsenic in a thermoacidophilic iron-oxidizing archaeon, <i>Acidianus brierleyi</i> , and its culture medium by inductively coupled plasma–optical emission spectroscopy combined with flow injection pretreatment using an anion-exchange mini-column. <i>Talanta</i> , 2014, 122, 240-245.	2.9	9
183	One-step synthesis of layered double hydroxide-intercalated gluconate for removal of borate. <i>Separation and Purification Technology</i> , 2014, 123, 114-123.	3.9	27
184	Immobilization of Sr ²⁺ on naturally derived hydroxyapatite by calcination of different species of fish bones and influence of calcination on ion-exchange efficiency. <i>Ceramics International</i> , 2014, 40, 11649-11656.	2.3	19
185	Effect of calcination temperature on Mg–Al bimetallic oxides as sorbents for the removal of F ⁻ in aqueous solutions. <i>Chemosphere</i> , 2014, 95, 597-603.	4.2	33
186	Preparation of Polyimide–Cellulose Composite Using Oligoimide with Ethynyl Terminals. <i>Chemistry Letters</i> , 2014, 43, 787-789.	0.7	3
187	Mobility and impact of trace metals in Barapukuria coal mining area, Northwest Bangladesh. <i>Arabian Journal of Geosciences</i> , 2013, 6, 4593-4605.	0.6	25
188	Effect of natural dolomite calcination temperature on sorption of borate onto calcined products. <i>Microporous and Mesoporous Materials</i> , 2013, 171, 1-8.	2.2	62
189	Bio-templated synthesis of lithium manganese oxide microtubes and their application in Li ⁺ recovery. <i>Journal of Hazardous Materials</i> , 2013, 262, 38-47.	6.5	38
190	Sorption of fluoride on partially calcined dolomite. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2013, 435, 56-62.	2.3	20
191	Zinc Sorption During Bio-oxidation and Precipitation of Manganese Modifies the Layer Stacking of Biogenic Birnessite. <i>Geomicrobiology Journal</i> , 2013, 30, 829-839.	1.0	39
192	Simultaneous oxidation and immobilization of arsenite from refinery waste water by thermoacidophilic iron-oxidizing archaeon, <i>Acidianus brierleyi</i> . <i>Minerals Engineering</i> , 2013, 48, 126-134.	1.8	30
193	Production of 5-hydroxymethyl Furfural from Sugarcane Bagasse under Hot Compressed Water. <i>Procedia Earth and Planetary Science</i> , 2013, 6, 441-447.	0.6	41
194	Characterization of lithium ion sieve derived from biogenic Mn oxide. <i>Microporous and Mesoporous Materials</i> , 2013, 179, 122-127.	2.2	13
195	Temperature effect on the sorption of borate by a layered double hydroxide prepared using dolomite as a magnesium source. <i>Chemical Engineering Journal</i> , 2013, 225, 664-672.	6.6	26
196	Gravity separation and its effect on CO ₂ gasification. <i>Fuel</i> , 2013, 103, 37-41.	3.4	6
197	Cobalt(II) Oxidation by Biogenic Mn Oxide Produced by <i>Pseudomonas</i> sp. Strain NGY-1. <i>Geomicrobiology Journal</i> , 2013, 30, 874-885.	1.0	18
198	Synthesis of Biogenic Mn Oxide and its Application as Lithium Ion Sieve. <i>Advanced Materials Research</i> , 2013, 825, 439-442.	0.3	2

#	ARTICLE	IF	CITATIONS
199	Geochemical and Microbiological Analysis of Sambe Hot Springs, Shimane Prefecture, Japan. Resource Geology, 2013, 63, 155-165.	0.3	7
200	Mn(II)-Oxidizing Activity of <i>Pseudomonas</i> sp. Strain MM1 is Involved in the Formation of Massive Mn Sediments around Sambe Hot Springs in Japan. Materials Transactions, 2013, 54, 2027-2031.	0.4	9
201	Characteristic Sorption of $H_3BO_3/B(OH)_4^-$ on Magnesium Oxide. Materials Transactions, 2013, 54, 1809-1817.	0.4	32
202	Ion Exchange Capacity of Sr^{2+} onto Calcined Biological Hydroxyapatite and Implications for Use in Permeable Reactive Barriers. Materials Transactions, 2012, 53, 1267-1272.	0.4	14
203	Structural factors of biogenic birnessite produced by fungus <i>Paraconiothyrium</i> sp. WL-2 strain affecting sorption of Co^{2+} . Chemical Geology, 2012, 310-311, 106-113.	1.4	62
204	Spectroscopic analysis of the bioleaching of chalcopyrite by <i>Acidithiobacillus caldus</i> . Hydrometallurgy, 2012, 127-128, 116-120.	1.8	11
205	Chemical regeneration of magnesium oxide used as a sorbent for fluoride. Separation and Purification Technology, 2012, 98, 24-30.	3.9	22
206	Effect of microorganisms on flocculation of quartz. International Journal of Mineral Processing, 2012, 102-103, 107-111.	2.6	12
207	Effects of sodium thiosulphate on chalcopyrite and tennantite: An insight for alternative separation technique. International Journal of Mineral Processing, 2012, 102-103, 116-123.	2.6	18
208	Uptake of Sr^{2+} and Co^{2+} into Biogenic Hydroxyapatite: Implications for Biomineral Ion Exchange Synthesis. Environmental Science & Technology, 2011, 45, 6985-6990.	4.6	69
209	Sorption of Borate and Fluoride on Bimetallic Mg-Al and Mg-Fe Oxides in Aqueous Solutions. Journal of MMIJ, 2011, 127, 708-713.	0.4	3
210	Characterization of Passivation Layers in Bioleaching of Sulfides. Bunseki Kagaku, 2011, 60, 911-919.	0.1	2
211	Study of diethyl dithiophosphate adsorption on chalcopyrite and tennantite at varied pHs. Journal of Mining Science, 2011, 47, 695-702.	0.1	6
212	Effect of pH and diethyl dithiophosphate (DTP) treatment on chalcopyrite and tennantite surfaces observed using atomic force microscopy (AFM). Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2011, 389, 266-273.	2.3	16
213	Effect of saw dust on borate removal from groundwater in bench-scale simulation of permeable reactive barriers including magnesium oxide. Journal of Hazardous Materials, 2011, 185, 1440-1447.	6.5	15
214	Sorption characteristics of fluoride on to magnesium oxide-rich phases calcined at different temperatures. Journal of Hazardous Materials, 2011, 191, 240-248.	6.5	44
215	Performance of dry-separation processes in the recovery of cenospheres from fly ash and their implementation in a recovery unit. International Journal of Mineral Processing, 2011, 98, 15-23.	2.6	36
216	Numerical simulation for reactive solute transport of arsenic in permeable reactive barrier column including zero-valent iron. Applied Mathematical Modelling, 2011, 35, 5198-5207.	2.2	36

#	ARTICLE	IF	CITATIONS
217	Kinetic Model of Arsenic Sorption onto Zero-Valent Iron (ZVI). <i>Water Quality, Exposure, and Health</i> , 2011, 2, 125-132.	1.5	35
218	Alkaline hydrothermal de-ashing and desulfurization of low quality coal and its application to hydrogen-rich gas generation. <i>Energy Conversion and Management</i> , 2011, 52, 762-769.	4.4	36
219	Upgrading of low rank coal and woody biomass mixture by hydrothermal treatment. <i>Fuel</i> , 2011, 90, 2578-2584.	3.4	84
220	Mechanism of the enhancement of bioleaching of copper from enargite by thermophilic iron-oxidizing archaea with the concomitant precipitation of arsenic. <i>Hydrometallurgy</i> , 2011, 109, 90-96.	1.8	36
221	Effects of initial Fe ²⁺ concentration and pulp density on the bioleaching of Cu from enargite by <i>Acidianus brierleyi</i> . <i>Hydrometallurgy</i> , 2011, 109, 153-160.	1.8	21
222	Production of Solid Biofuel from Agricultural Wastes of the Palm Oil Industry by Hydrothermal Treatment. <i>Waste and Biomass Valorization</i> , 2010, 1, 395-405.	1.8	66
223	Adhesion of <i>Ferroplasma acidiphilum</i> onto pyrite calculated from the extended DLVO theory using the van Oss-Good-Chaudhury approach. <i>Journal of Colloid and Interface Science</i> , 2010, 349, 594-601.	5.0	35
224	Evaluation of processes controlling the geochemical constituents in deep groundwater in Bangladesh: Spatial variability on arsenic and boron enrichment. <i>Journal of Hazardous Materials</i> , 2010, 180, 50-62.	6.5	73
225	Upgrading and dewatering of raw tropical peat by hydrothermal treatment. <i>Fuel</i> , 2010, 89, 635-641.	3.4	125
226	The effect of hydrothermal dewatering of Pontianak tropical peat on organics in wastewater and gaseous products. <i>Fuel</i> , 2010, 89, 3934-3942.	3.4	59
227	Biooxidation and precipitation for iron and sulfate removal from heap bioleaching effluent streams. <i>Hydrometallurgy</i> , 2010, 101, 7-14.	1.8	45
228	Spectroscopic study on oxidative dissolution of chalcopyrite, enargite and tennantite at different pH values. <i>Hydrometallurgy</i> , 2010, 100, 144-151.	1.8	69
229	Characterization of secondary arsenic-bearing precipitates formed in the bioleaching of enargite by <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2010, 104, 424-431.	1.8	25
230	Recovery of cenospheres from coal fly ash using a dry separation process: Separation estimation and potential application. <i>International Journal of Mineral Processing</i> , 2010, 95, 18-24.	2.6	68
231	Treatment of Heavy Metals in a Constructed Wetland, Kaminokuni, Hokkaido-Accumulation of Heavy Metals in Emergent Vegetations-. <i>Journal of MMJ</i> , 2009, 125, 453-460.	0.4	3
232	Treatment of Heavy Metals in a Constructed Wetland, Kaminokuni, Hokkaido-Role of Microorganisms in Immobilization of Heavy Metals in Wetland Soils-. <i>Journal of MMJ</i> , 2009, 125, 445-452.	0.4	6
233	Raman characterization of secondary minerals formed during chalcopyrite leaching with <i>Acidithiobacillus ferrooxidans</i> . <i>Hydrometallurgy</i> , 2009, 95, 153-158.	1.8	99
234	Sorption and speciation of arsenic by zero-valent iron. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2009, 347, 8-17.	2.3	49

#	ARTICLE	IF	CITATIONS
235	Adhesion of Escherichia coli onto quartz, hematite and corundum: Extended DLVO theory and flotation behavior. Colloids and Surfaces B: Biointerfaces, 2009, 74, 140-149.	2.5	82
236	Selective Sorption of Co^{2+} over Ni^{2+} Using Biogenic Manganese Oxides. Materials Transactions, 2009, 50, 2643-2648.	0.4	16
237	Adsorption of SIP E. coli onto quartz and its applications in froth flotation. Minerals Engineering, 2008, 21, 389-395.	1.8	40
238	Immobilization of Se(VI) in mine drainage by permeable reactive barriers: column performance. Applied Geochemistry, 2008, 23, 1012-1022.	1.4	22
239	Precipitation of Cu-Sulfides by Copper-Tolerant <i>Desulfovibrio</i> Isolates. Geomicrobiology Journal, 2008, 25, 219-227.	1.0	26
240	Removal of Arsenate in Acid Mine Drainage by a Permeable Reactive Barrier Bearing Granulated Blast Furnace Slag: Column Study. Materials Transactions, 2008, 49, 835-844.	0.4	13
241	Optimum pH for Oxidation of Mn(II) Ions in Model and Actual Manganese Drainages by a Mn-Oxidizing Fungus, <i>Phoma</i> sp. Strain KY-1. Materials Transactions, 2008, 49, 845-849.	0.4	3
242	Identification of Sulfate- and Arsenate-Reducing Bacteria in Sheep Manure as Permeable Reactive Materials after Arsenic Immobilization in Groundwater. Materials Transactions, 2008, 49, 2275-2282.	0.4	4
243	Immobilization of Arsenic and Manganese in Contaminated Groundwater by Permeable Reactive Barriers Using Zero Valent Iron and Sheep Manure. Materials Transactions, 2008, 49, 2265-2274.	0.4	19
244	Sorption of Co^{2+} Ions on the Biogenic Mn Oxide Produced by a Mn-Oxidizing Fungus, <i>Paraconiothyrium</i> sp. WL-2. Materials Transactions, 2008, 49, 605-611.	0.4	26
245	Spectroscopic study of precipitates formed during removal of selenium from mine drainage spiked with selenate using permeable reactive materials. Geochemical Journal, 2008, 42, 283-294.	0.5	27
246	Recovery of Hollow and Spherical Particles from Coal Fly Ash by Wet Separation Process. Journal of MMIJ, 2008, 124, 878-884.	0.4	11
247	Formation of Ni- and Zn-Sulfides in Cultures of Sulfate-Reducing Bacteria. Geomicrobiology Journal, 2007, 24, 609-614.	1.0	31
248	Sorption of Co Ions on Biogenic Mn Oxides Produced by a Mn-Oxidizing Fungus, <i>Paraconiothyrium</i> sp.-like Strain. Advanced Materials Research, 2007, 20-21, 607-610.	0.3	1
249	Singular Effect of Carbon Fiber on the Oxidation of Dissolved Mn(II) Ions by a Fungus Genetically Related to <i>Phoma</i> sp. Materials Transactions, 2007, 48, 64-67.	0.4	0
250	Extraction Behavior during Hydrothermal Treatment of Biomass and Low Rank Coal Mixture. Journal of MMIJ, 2007, 123, 532-536.	0.4	2
251	Immobilization of Mn(II) Ions by a Mn-Oxidizing Fungus <i>Paraconiothyrium</i> sp.-Like Strain at Neutral pHs. Materials Transactions, 2006, 47, 2457-2461.	0.4	23
252	FE-SEM Study of Microbially Formed Jarosites by <i>Acidithiobacillus ferrooxidans</i> . Materials Transactions, 2006, 47, 1155-1162.	0.4	16

#	ARTICLE	IF	CITATIONS
253	Phylogenetic analysis of manganese-oxidizing fungi isolated from manganese-rich aquatic environments in Hokkaido, Japan. <i>Limnology</i> , 2006, 7, 219-223.	0.8	35
254	Formation of Covellite (CuS) Under Biological Sulfate-Reducing Conditions. <i>Geomicrobiology Journal</i> , 2006, 23, 613-619.	1.0	42
255	Feasibility of an efficient recovery of rare earth-activated phosphors from waste fluorescent lamps through dense-medium centrifugation. <i>Separation and Purification Technology</i> , 2005, 44, 197-204.	3.9	70
256	Floatability of rare earth phosphors from waste fluorescent lamps. <i>International Journal of Mineral Processing</i> , 2005, 77, 187-198.	2.6	68
257	Removal of Mn(II) ions from aqueous neutral media by manganese-oxidizing fungus in the presence of carbon fiber. <i>Biotechnology and Bioengineering</i> , 2004, 85, 489-496.	1.7	20
258	The Effect of Mn ²⁺ Concentration on Mn Removal by a Sulfate Reducing Bacteria Bioreactor. <i>Materials Transactions</i> , 2004, 45, 2429-2434.	0.4	10
259	Fundamental Study on the Removal of Mn ²⁺ in Acid Mine Drainage using Sulfate Reducing Bacteria. <i>Materials Transactions</i> , 2004, 45, 2422-2428.	0.4	10
260	Activation of manganese-oxidizing fungus with carbon fiber. <i>Tanso</i> , 2004, 2004, 246-248.	0.1	3
261	Chemical Transportation of Heavy Metals in the Constructed Wetland Impacted by Acid Drainage. <i>Materials Transactions</i> , 2003, 44, 305-312.	0.4	17
262	Field Study on Heavy Metal Accumulation in a Natural Wetland Receiving Acid Mine Drainage. <i>Materials Transactions</i> , 2003, 44, 1877-1884.	0.4	13
263	Fundamental Study on the Production of Woody Biomass Fuel Using Hydrothermal Treatment. <i>Shigen-to-Sozai</i> , 2003, 119, 118-124.	0.1	10
264	Study on Microbially Mediated Dissolution of Arsenopyrite by <i>Acidithiobacillus ferrooxidans</i> and Its Suppression by Two Organic Matters.. <i>Shigen-to-Sozai</i> , 2003, 119, 61-65.	0.1	2
265	Analysis of Heavy Metals in a Tailing Impoundment of Abandoned Mn Mine by Using Two Sequential Extractions. <i>Materials Transactions</i> , 2002, 43, 3189-3194.	0.4	4
266	Removal of Manganese(II) Ions from Water by <i>Leptothrix discophora</i> with Carbon Fiber. <i>Materials Transactions</i> , 2002, 43, 2773-2777.	0.4	14
267	Distribution and Transition of Heavy Metals in Mine Tailing Dumps. <i>Materials Transactions</i> , 2002, 43, 2778-2783.	0.4	17
268	MORPHOLOGY OF JAROSITE-GROUP COMPOUNDS PRECIPITATED FROM BIOLOGICALLY AND CHEMICALLY OXIDIZED Fe IONS. <i>Canadian Mineralogist</i> , 2000, 38, 45-56.	0.3	98
269	Comparative studies of the reduction behavior of chromium(VI) by humic substances and their precursors. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1085-1090.	2.2	92
270	Evaluation of Copper(II) Binding Abilities of Humic Substances by a Continuous Site-Distribution Model Considering Proton Competition.. <i>Analytical Sciences</i> , 1999, 15, 185-188.	0.8	12

#	ARTICLE	IF	CITATIONS
271	COMPARATIVE STUDIES OF THE REDUCTION BEHAVIOR OF CHROMIUM(VI) BY HUMIC SUBSTANCES AND THEIR PRECURSORS. <i>Environmental Toxicology and Chemistry</i> , 1999, 18, 1085.	2.2	11
272	The role of sulfur-oxidizing bacteria <i>Thiobacillus thiooxidans</i> in pyrite weathering. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1998, 133, 269-278.	2.3	60
273	Investigation of Copper(II)-Binding Behavior of Fulvic Acids by Three-Dimensional Fluorescence Spectrometry.. <i>Analytical Sciences</i> , 1997, 13, 1011-1015.	0.8	14
274	A Study on the Dissolution of Pyrite and Its Suppression in Acidic Environments. <i>Bunseki Kagaku</i> , 1997, 46, 611-612.	0.1	0
275	Reply to the Comment by G. W. Luther III on "Confirmation of a sulfur-rich layer on pyrite after oxidative dissolution by Fe(III) ions around pH 2". <i>Geochimica Et Cosmochimica Acta</i> , 1997, 61, 3273-3274.	1.6	6
276	Suppression of microbially mediated dissolution of pyrite by originally isolated fulvic acids and related compounds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1996, 119, 241-253.	2.3	16
277	Effect of anionic ligands on the reactivity of pyrite with Fe(III) ions in acid solutions. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 1995, 101, 39-49.	2.3	20
278	Confirmation of a sulfur-rich layer on pyrite after oxidative dissolution by Fe(III) ions around pH2. <i>Geochimica Et Cosmochimica Acta</i> , 1995, 59, 3155-3158.	1.6	102
279	Structural strain in pyrites evaluated by X-ray powder diffraction. <i>Journal of Materials Science</i> , 1994, 29, 1666-1669.	1.7	20
280	Effect of grinding on the rate of oxidation of pyrite by oxygen in acid solutions. <i>Geochimica Et Cosmochimica Acta</i> , 1994, 58, 4649-4655.	1.6	46
281	Special Articles: Environmental Sciences and Analytical Chemistry. Nonstoichiometry in the oxidative dissolution of pyrite in acid solutions.. <i>Bunseki Kagaku</i> , 1994, 43, 911-917.	0.1	11
282	X-Ray photoelectron spectroscopic analysis of surface products on pyrite formed by bacterial leaching.. <i>Bunseki Kagaku</i> , 1991, 40, 609-616.	0.1	36
283	Leaching behavior of a chalcopyrite concentrate in the coexistent system of <i>Thiobacillus thiooxidans</i> with <i>Thiobacillus ferrooxidans</i> , and phospholipid as extracellular substances.. <i>Shigen-to-Sozai</i> , 1990, 106, 611-616.	0.1	0
284	Selective Sorption of Ce ³⁺ over La ³⁺ Ions on Biogenic Manganese Oxides. <i>Advanced Materials Research</i> , 0, 71-73, 633-636.	0.3	6
285	Bioleaching of Enargite by Arsenic-Tolerant <i>Acidithiobacillus Ferrooxidans</i> . <i>Advanced Materials Research</i> , 0, 71-73, 485-488.	0.3	3
286	Application of Plasma Treated Activated Carbon to Enhancement of Phenol Removal by Ozonation in Three-Phase Fluidized Bed Reactor. <i>Advanced Materials Research</i> , 0, 701, 305-309.	0.3	1
287	Effect of Cu(II) on Bio-Scorodite Crystallization Using <i>Acidianus brierleyi</i> . <i>Advanced Materials Research</i> , 0, 1130, 101-104.	0.3	2
288	Spectroscopic and Microscopic Investigation for Biohydrometallurgy. <i>Advanced Materials Research</i> , 0, 1130, 383-386.	0.3	0

#	ARTICLE	IF	CITATIONS
289	Microbiological As(III) Oxidation and Immobilization as Scorodite at Moderate Temperatures. Solid State Phenomena, 0, 262, 664-667.	0.3	3
290	Enzymatic Pre-Treatment of Carbonaceous Matter in Preg-Robbing Gold Ores: Effect of Ferrous Ion Additives. Solid State Phenomena, 0, 262, 43-47.	0.3	0
291	Mechanism of Silver-Catalyzed Bioleaching of Enargite Concentrate. Solid State Phenomena, 0, 262, 273-276.	0.3	0
292	Characterizations of calcium silicate hydrates derived from coal fly ash and their mechanisms for phosphate removal. , 0, 156, 78-86.		0
293	Biotechnological Approaches to Facilitate Gold Recovery from Double Refractory Gold Ores. , 0, , .		0