

Ravi K Kukkadapu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2280963/publications.pdf>

Version: 2024-02-01

115
papers

7,550
citations

41344

49
h-index

54911

84
g-index

115
all docs

115
docs citations

115
times ranked

6789
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Fast redox switches lead to rapid transformation of goethite in humid tropical soils: A Mössbauer spectroscopy study. <i>Soil Science Society of America Journal</i> , 2022, 86, 264-274. | 2.2 | 4 |
| 2 | SSSAJ 2021 Publisher's Report. <i>Soil Science Society of America Journal</i> , 2022, 86, 868-878. | 2.2 | 0 |
| 3 | Susceptibility of new soil organic carbon to mineralization during dry-wet cycling in soils from contrasting ends of a precipitation gradient. <i>Soil Biology and Biochemistry</i> , 2022, 169, 108681. | 8.8 | 11 |
| 4 | Elemental iron: reduction of pertechnetate in the presence of silica and periodicity of precipitated nano-structures. <i>Environmental Science: Nano</i> , 2021, 8, 97-109. | 4.3 | 2 |
| 5 | Characterizing the localization of organic C on mineral surfaces: a correlative microscopy/spectroscopy approach. <i>Microscopy and Microanalysis</i> , 2021, 27, 306-307. | 0.4 | 0 |
| 6 | Lignin-enhanced reduction of structural Fe(III) in nontronite: Dual roles of lignin as electron shuttle and donor. <i>Geochimica Et Cosmochimica Acta</i> , 2021, 307, 1-21. | 3.9 | 27 |
| 7 | Strong Purcell enhancement at telecom wavelengths afforded by spinel Fe ₃ O ₄ nanocrystals with size-tunable plasmonic properties. <i>Nanoscale Horizons</i> , 2021, , . | 8.0 | 2 |
| 8 | Spontaneous redox continuum reveals sequestered technetium clusters and retarded mineral transformation of iron. <i>Communications Chemistry</i> , 2020, 3, . | 4.5 | 8 |
| 9 | Water-dispersible nanocolloids and higher temperatures promote the release of carbon from riparian soil. <i>Vadose Zone Journal</i> , 2020, 19, e20077. | 2.2 | 2 |
| 10 | Macro to Nanoscale Approaches to Study Mineral Transformations at the Liquid, Organic, Biological Interface.. <i>Microscopy and Microanalysis</i> , 2020, 26, 1568-1569. | 0.4 | 0 |
| 11 | Changes in Sedimentary Phosphorus Burial Following Artificial Eutrophication of Lake 227, Experimental Lakes Area, Ontario, Canada. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2020, 125, e2020JG005713. | 3.0 | 23 |
| 12 | Role of clay-associated humic substances in catalyzing bioreduction of structural Fe(III) in nontronite by <i>Shewanella putrefaciens</i> CN32. <i>Science of the Total Environment</i> , 2020, 741, 140213. | 8.0 | 19 |
| 13 | Strong mineralogic control of soil organic matter composition in response to nutrient addition across diverse grassland sites. <i>Science of the Total Environment</i> , 2020, 736, 137839. | 8.0 | 29 |
| 14 | Calcareous organic matter coatings sequester siderophores in alkaline soils. <i>Science of the Total Environment</i> , 2020, 724, 138250. | 8.0 | 14 |
| 15 | Dispersible Colloid Facilitated Release of Organic Carbon From Two Contrasting Riparian Sediments. <i>Frontiers in Water</i> , 2020, 2, . | 2.3 | 3 |
| 16 | Root-driven weathering impacts on mineral-organic associations in deep soils over pedogenic time scales. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 263, 68-84. | 3.9 | 29 |
| 17 | Electron transfer between sorbed Fe(II) and structural Fe(III) in smectites and its effect on nitrate-dependent iron oxidation by <i>Pseudogulbenkiania</i> sp. strain 2002. <i>Geochimica Et Cosmochimica Acta</i> , 2019, 265, 132-147. | 3.9 | 23 |
| 18 | Identifying sources and cycling of phosphorus in the sediment of a shallow freshwater lake in China using phosphate oxygen isotopes. <i>Science of the Total Environment</i> , 2019, 676, 823-833. | 8.0 | 34 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 19 | Switching on iron in clay minerals. <i>Environmental Science: Nano</i> , 2019, 6, 1704-1715. | 4.3 | 21 |
| 20 | Uranium storage mechanisms in wet-dry redox cycled sediments. <i>Water Research</i> , 2019, 152, 251-263. | 11.3 | 32 |
| 21 | Synthesis of nanometer-sized fayalite and magnesium-iron(II) mixture olivines. <i>Journal of Colloid and Interface Science</i> , 2018, 515, 129-138. | 9.4 | 19 |
| 22 | Iron and Arsenic Speciation During As(III) Oxidation by Manganese Oxides in the Presence of Fe(II): Molecular-Level Characterization Using XAFS, Mössbauer, and TEM Analysis. <i>ACS Earth and Space Chemistry</i> , 2018, 2, 256-268. | 2.7 | 32 |
| 23 | Physical and electrical properties of melt-spun Fe-Si (3 wt.%) soft magnetic ribbons. <i>Materials Characterization</i> , 2018, 136, 212-220. | 4.4 | 20 |
| 24 | Catalytic N ₂ O decomposition and reduction by NH ₃ over Fe/Beta and Fe/SSZ-13 catalysts. <i>Journal of Catalysis</i> , 2018, 358, 199-210. | 6.2 | 80 |
| 25 | Tchnetium and iodine aqueous species immobilization and transformations in the presence of strong reductants and calcite-forming solutions: Remedial action implications. <i>Science of the Total Environment</i> , 2018, 636, 588-595. | 8.0 | 17 |
| 26 | Redox Fluctuations Control the Coupled Cycling of Iron and Carbon in Tropical Forest Soils. <i>Environmental Science & Technology</i> , 2018, 52, 14129-14139. | 10.0 | 96 |
| 27 | Interactions Between Fe(III)-oxides and Fe(III)-phyllosilicates During Microbial Reduction 2: Natural Subsurface Sediments. <i>Geomicrobiology Journal</i> , 2017, 34, 231-241. | 2.0 | 14 |
| 28 | Transformation of Active Sites in Fe/SSZ-13 SCR Catalysts during Hydrothermal Aging: A Spectroscopic, Microscopic, and Kinetics Study. <i>ACS Catalysis</i> , 2017, 7, 2458-2470. | 11.2 | 89 |
| 29 | Tetragonal-Like Phase in Core-Shell Iron Iron-Oxide Nanoclusters. <i>Journal of Physical Chemistry C</i> , 2017, 121, 11794-11803. | 3.1 | 3 |
| 30 | Solid-Phase Fe Speciation along the Vertical Redox Gradients in Floodplains using XAS and Mössbauer Spectroscopies. <i>Environmental Science & Technology</i> , 2017, 51, 7903-7912. | 10.0 | 58 |
| 31 | Efficacy of acetate-amended biostimulation for uranium sequestration: Combined analysis of sediment/groundwater geochemistry and bacterial community structure. <i>Applied Geochemistry</i> , 2017, 78, 172-185. | 3.0 | 18 |
| 32 | Reduced Magnetism in Core-Shell Magnetite@MOF Composites. <i>Nano Letters</i> , 2017, 17, 6968-6973. | 9.1 | 47 |
| 33 | Mössbauer Spectral Properties of Yttrium Iron Garnet, Y ₃ Fe ₅ O ₁₂ , and Its Isovalent and Nonisovalent Yttrium-Substituted Solid Solutions. <i>Inorganic Chemistry</i> , 2016, 55, 3413-3418. | 4.0 | 8 |
| 34 | Iron Loading Effects in Fe/SSZ-13 NH ₃ -SCR Catalysts: Nature of the Fe Ions and Structure-Function Relationships. <i>ACS Catalysis</i> , 2016, 6, 2939-2954. | 11.2 | 126 |
| 35 | Structure and thermodynamics of uranium-containing iron garnets. <i>Geochimica Et Cosmochimica Acta</i> , 2016, 189, 269-281. | 3.9 | 41 |
| 36 | Fe(II) sorption on pyrophyllite: Effect of structural Fe(III) (impurity) in pyrophyllite on nature of layered double hydroxide (LDH) secondary mineral formation. <i>Chemical Geology</i> , 2016, 439, 152-160. | 3.3 | 28 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 37 | Redox-Active Metal-Organic Composites for Highly Selective Oxygen Separation Applications. <i>Advanced Materials</i> , 2016, 28, 3572-3577. | 21.0 | 55 |
| 38 | Iron mineralogy and uranium-binding environment in the rhizosphere of a wetland soil. <i>Science of the Total Environment</i> , 2016, 569-570, 53-64. | 8.0 | 21 |
| 39 | Anomalous water expulsion from carbon-based rods at high humidity. <i>Nature Nanotechnology</i> , 2016, 11, 791-797. | 31.5 | 11 |
| 40 | Interactions Between Fe(III)-Oxides and Fe(III)-Phyllosilicates During Microbial Reduction 1: Synthetic Sediments. <i>Geomicrobiology Journal</i> , 2016, 33, 793-806. | 2.0 | 7 |
| 41 | Switchable Ionic Liquids: An Environmentally Friendly Medium to Synthesize Nanoparticulate Green Rust. <i>Current Inorganic Chemistry</i> , 2016, 6, 92-99. | 0.2 | 6 |
| 42 | Uranium fate in Hanford sediment altered by simulated acid waste solutions. <i>Applied Geochemistry</i> , 2015, 63, 1-9. | 3.0 | 9 |
| 43 | Organic Matter Remineralization Predominates Phosphorus Cycling in the Mid-Bay Sediments in the Chesapeake Bay. <i>Environmental Science & Technology</i> , 2015, 49, 5887-5896. | 10.0 | 117 |
| 44 | Biological Redox Cycling of Iron in Nontronite and Its Potential Application in Nitrate Removal. <i>Environmental Science & Technology</i> , 2015, 49, 5493-5501. | 10.0 | 109 |
| 45 | Charge-Coupled Substituted Garnets (Y _{3-x} Ca _{0.5x} M _{0.5x} Fe ₅ O ₁₂ , M = Ce, Th): Structure and Stability as Crystalline Nuclear Waste Forms. <i>Inorganic Chemistry</i> , 2015, 54, 4156-4166. | 4.0 | 29 |
| 46 | ⁹⁹ Tc(VII) Retardation, Reduction, and Redox Rate Scaling in Naturally Reduced Sediments. <i>Environmental Science & Technology</i> , 2015, 49, 13403-13412. | 10.0 | 15 |
| 47 | Influence of Coprecipitated Organic Matter on Fe ²⁺ (aq)-Catalyzed Transformation of Ferrihydrite: Implications for Carbon Dynamics. <i>Environmental Science & Technology</i> , 2015, 49, 10927-10936. | 10.0 | 192 |
| 48 | Nepheline crystallization in boron-rich aluminosilicate glasses as investigated by multi-nuclear NMR, Raman, & Mössbauer spectroscopies. <i>Journal of Non-Crystalline Solids</i> , 2015, 409, 149-165. | 3.1 | 42 |
| 49 | Fe/SSZ-13 as an NH ₃ -SCR catalyst: A reaction kinetics and FTIR/Mössbauer spectroscopic study. <i>Applied Catalysis B: Environmental</i> , 2015, 164, 407-419. | 20.2 | 108 |
| 50 | Syntrophic Effects in a Subsurface Clostridial Consortium on Fe(III)-(Oxyhydr)oxide Reduction and Secondary Mineralization. <i>Geomicrobiology Journal</i> , 2014, 31, 101-115. | 2.0 | 13 |
| 51 | The solubility of ²⁴² PuO ₂ in the presence of aqueous Fe(II): the impact of precipitate preparation. <i>Radiochimica Acta</i> , 2014, 102, 861. | 1.2 | 0 |
| 52 | Geochemical and mineralogical investigation of uranium in multi-element contaminated, organic-rich subsurface sediment. <i>Applied Geochemistry</i> , 2014, 42, 77-85. | 3.0 | 40 |
| 53 | Cerium Substitution in Yttrium Iron Garnet: Valence State, Structure, and Energetics. <i>Chemistry of Materials</i> , 2014, 26, 1133-1143. | 6.7 | 53 |
| 54 | Mobilization of metals from Eau Claire siltstone and the impact of oxygen under geological carbon dioxide sequestration conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2014, 141, 62-82. | 3.9 | 25 |

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 55 | Oxidative Remobilization of Technetium Sequestered by Sulfide-Transformed Nano Zerovalent Iron. <i>Environmental Science & Technology</i> , 2014, 48, 7409-7417. | 10.0 | 73 |
| 56 | Reductive Sequestration of Per technetate ($^{99}\text{TcO}_4^-$) by Nano Zerovalent Iron (nZVI) Transformed by Abiotic Sulfide. <i>Environmental Science & Technology</i> , 2013, 47, 5302-5310. | 10.0 | 162 |
| 57 | Biological oxidation of Fe(II) in reduced nontronite coupled with nitrate reduction by <i>Pseudogulbenkiania</i> sp. Strain 2002. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 231-247. | 3.9 | 88 |
| 58 | Abiotic U(VI) reduction by sorbed Fe(II) on natural sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 117, 266-282. | 3.9 | 43 |
| 59 | Abiotic Reductive Immobilization of U(VI) by Biogenic Mackinawite. <i>Environmental Science & Technology</i> , 2013, 47, 2361-2369. | 10.0 | 100 |
| 60 | Oxidative dissolution of UO ₂ in a simulated groundwater containing synthetic nanocrystalline mackinawite. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 102, 175-190. | 3.9 | 61 |
| 61 | Microbial Lithotrophic Oxidation of Structural Fe(II) in Biotite. <i>Applied and Environmental Microbiology</i> , 2012, 78, 5746-5752. | 3.1 | 94 |
| 62 | Microbial Reductive Transformation of Phyllosilicate Fe(III) and U(VI) in Fluvial Subsurface Sediments. <i>Environmental Science & Technology</i> , 2012, 46, 3721-3730. | 10.0 | 34 |
| 63 | Isolation and Microbial Reduction of Fe(III) Phyllosilicates from Subsurface Sediments. <i>Environmental Science & Technology</i> , 2012, 46, 11618-11626. | 10.0 | 21 |
| 64 | Effects of redox cycling of iron in nontronite on reduction of technetium. <i>Chemical Geology</i> , 2012, 291, 206-216. | 3.3 | 75 |
| 65 | Synthesis and properties of titanomagnetite ($\text{Fe}_{3-x}\text{Ti}_x\text{O}_4$) nanoparticles: A tunable solid-state Fe(II/III) redox system. <i>Journal of Colloid and Interface Science</i> , 2012, 387, 24-38. | 9.4 | 80 |
| 66 | Iron oxide waste form for stabilizing ^{99}Tc . <i>Journal of Nuclear Materials</i> , 2012, 429, 201-209. | 2.7 | 46 |
| 67 | Biotic and Abiotic Pathways of Phosphorus Cycling in Minerals and Sediments: Insights from Oxygen Isotope Ratios in Phosphate. <i>Environmental Science & Technology</i> , 2011, 45, 6254-6261. | 10.0 | 66 |
| 68 | The mineralogic transformation of ferrihydrite induced by heterogeneous reaction with bio-reduced anthraquinone disulfonate (AQDS) and the role of phosphate. <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 6330-6349. | 3.9 | 33 |
| 69 | Bio-reduction of Fe-bearing clay minerals and their reactivity toward per technetate (Tc-^{99}). <i>Geochimica Et Cosmochimica Acta</i> , 2011, 75, 5229-5246. | 3.9 | 128 |
| 70 | Size effects on gamma radiation response of magnetic properties of barium hexaferrite powders. <i>Journal of Applied Physics</i> , 2011, 110, . | 2.5 | 5 |
| 71 | Microbial and Mineralogical Characterizations of Soils Collected from the Deep Biosphere of the Former Homestake Gold Mine, South Dakota. <i>Microbial Ecology</i> , 2010, 60, 539-550. | 2.8 | 70 |
| 72 | Bioavailability of Fe(III) In Loess Sediments: An Important Source of Electron Acceptors. <i>Clays and Clay Minerals</i> , 2010, 58, 542-557. | 1.3 | 10 |

| # | ARTICLE | IF | CITATIONS |
|----|--|------|-----------|
| 73 | Fractionation of oxygen isotopes in phosphate during its interactions with iron oxides. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 1309-1319. | 3.9 | 85 |
| 74 | Microbial reduction of uranium under iron- and sulfate-reducing conditions: Effect of amended goethite on microbial community composition and dynamics. <i>Water Research</i> , 2010, 44, 4015-4028. | 11.3 | 45 |
| 75 | Biomineralization associated with microbial reduction of Fe ³⁺ and oxidation of Fe ²⁺ in solid minerals. <i>American Mineralogist</i> , 2009, 94, 1049-1058. | 1.9 | 30 |
| 76 | Reduction of Hg(II) to Hg(0) by Magnetite. <i>Environmental Science & Technology</i> , 2009, 43, 5307-5313. | 10.0 | 138 |
| 77 | Uranium in Framboidal Pyrite from a Naturally Bioreduced Alluvial Sediment. <i>Environmental Science & Technology</i> , 2009, 43, 8528-8534. | 10.0 | 85 |
| 78 | Uranium Extraction From Laboratory-Synthesized, Uranium-Doped Hydrous Ferric Oxides. <i>Environmental Science & Technology</i> , 2009, 43, 2341-2347. | 10.0 | 26 |
| 79 | Reduction of Tc(VII) by Fe(II) Sorbed on Al (hydr)oxides. <i>Environmental Science & Technology</i> , 2008, 42, 5499-5506. | 10.0 | 69 |
| 80 | Long-term dynamics of uranium reduction/reoxidation under low sulfate conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2008, 72, 3603-3615. | 3.9 | 111 |
| 81 | Biogeochemical Processes In Ethanol Stimulated Uranium-contaminated Subsurface Sediments. <i>Environmental Science & Technology</i> , 2008, 42, 4384-4390. | 10.0 | 49 |
| 82 | Biostimulation of iron reduction and subsequent oxidation of sediment containing Fe-silicates and Fe-oxides: Effect of redox cycling on Fe(III) bioreduction. <i>Water Research</i> , 2007, 41, 2996-3004. | 11.3 | 60 |
| 83 | Reduction of pertechnetate [Tc(VII)] by aqueous Fe(II) and the nature of solid phase redox products. <i>Geochimica Et Cosmochimica Acta</i> , 2007, 71, 2137-2157. | 3.9 | 154 |
| 84 | Phosphate Imposed Limitations on Biological Reduction and Alteration of Ferrihydrite. <i>Environmental Science & Technology</i> , 2007, 41, 166-172. | 10.0 | 160 |
| 85 | Reductive biotransformation of Fe in shale limestone saprolite containing Fe(III) oxides and Fe(II)/Fe(III) phyllosilicates. <i>Geochimica Et Cosmochimica Acta</i> , 2006, 70, 3662-3676. | 3.9 | 67 |
| 86 | Microbial reduction of Fe(III) in the Fithian and Muloorina illites: contrasting extents and rates of bioreduction. <i>Clays and Clay Minerals</i> , 2006, 54, 67-79. | 1.3 | 51 |
| 87 | Anaerobic redox cycling of iron by freshwater sediment microorganisms. <i>Environmental Microbiology</i> , 2006, 8, 100-113. | 3.8 | 290 |
| 88 | Effects of sediment iron mineral composition on microbially mediated changes in divalent metal speciation: Importance of ferrihydrite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 1739-1754. | 3.9 | 41 |
| 89 | Control of Fe(III) site occupancy on the rate and extent of microbial reduction of Fe(III) in nontronite. <i>Geochimica Et Cosmochimica Acta</i> , 2005, 69, 5429-5440. | 3.9 | 142 |
| 90 | Ferrous hydroxy carbonate is a stable transformation product of biogenic magnetite. <i>American Mineralogist</i> , 2005, 90, 510-515. | 1.9 | 75 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|------|-----------|
| 91 | Copper Sorption Mechanisms on Smectites. <i>Clays and Clay Minerals</i> , 2004, 52, 321-333. | 1.3 | 78 |
| 92 | Biogeochemical transformation of Fe minerals in a petroleum-contaminated aquifer. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 1791-1805. | 3.9 | 49 |
| 93 | Reduction of TcO ₄ ⁻ by sediment-associated biogenic Fe(II). <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 3171-3187. | 3.9 | 184 |
| 94 | Biotransformation of two-line silica-ferrihydrate by a dissimilatory Fe(III)-reducing bacterium: formation of carbonate green rust in the presence of phosphate. <i>Geochimica Et Cosmochimica Acta</i> , 2004, 68, 2799-2814. | 3.9 | 164 |
| 95 | Synthesis of Colloidal Mn ²⁺ :ZnO Quantum Dots and High-TC Ferromagnetic Nanocrystalline Thin Films. <i>Journal of the American Chemical Society</i> , 2004, 126, 9387-9398. | 13.7 | 394 |
| 96 | Influence of electron donor/acceptor concentrations on hydrous ferric oxide (HFO) bioreduction. <i>Biodegradation</i> , 2003, 14, 91-103. | 3.0 | 69 |
| 97 | Microbial Reduction of Structural Fe(III) in Illite and Goethite. <i>Environmental Science & Technology</i> , 2003, 37, 1268-1276. | 10.0 | 128 |
| 98 | Mössbauer and optical spectroscopic study of temperature and redox effects on iron local environments in a Fe-doped (0.5 mol% Fe ₂ O ₃) 18Na ₂ O·72SiO ₂ glass. <i>Journal of Non-Crystalline Solids</i> , 2003, 317, 301-318. | 3.1 | 30 |
| 99 | Secondary mineralization pathways induced by dissimilatory iron reduction of ferrihydrate under advective flow. <i>Geochimica Et Cosmochimica Acta</i> , 2003, 67, 2977-2992. | 3.9 | 561 |
| 100 | Transformation of 2-line ferrihydrate to 6-line ferrihydrate under oxic and anoxic conditions. <i>American Mineralogist</i> , 2003, 88, 1903-1914. | 1.9 | 114 |
| 101 | Biomining of Poorly Crystalline Fe(III) Oxides by Dissimilatory Metal Reducing Bacteria (DMRB). <i>Geomicrobiology Journal</i> , 2002, 19, 179-207. | 2.0 | 349 |
| 102 | Dissimilatory bacterial reduction of Al-substituted goethite in subsurface sediments. <i>Geochimica Et Cosmochimica Acta</i> , 2001, 65, 2913-2924. | 3.9 | 98 |
| 103 | Biotransformation of Ni-Substituted Hydrous Ferric Oxide by an Fe(III)-Reducing Bacterium. <i>Environmental Science & Technology</i> , 2001, 35, 703-712. | 10.0 | 83 |
| 104 | Kinetics and Mechanism of Birnessite Reduction by Catechol. <i>Soil Science Society of America Journal</i> , 2001, 65, 58-66. | 2.2 | 61 |
| 105 | A study of the corrosion products of mild steel in high ionic strength brines. <i>Waste Management</i> , 2001, 21, 335-341. | 7.4 | 8 |
| 106 | Mineral transformations associated with the microbial reduction of magnetite. <i>Chemical Geology</i> , 2000, 169, 299-318. | 3.3 | 180 |
| 107 | ² H Solid-State NMR Investigation of Terephthalate Dynamics and Orientation in Mixed-Anion Hydrocalcite-Like Compounds. <i>Journal of Physical Chemistry B</i> , 1999, 103, 5197-5203. | 2.6 | 16 |
| 108 | Adsorption of phenol and chlorinated phenols from aqueous solution by tetramethylammonium- and tetramethylphosphonium-exchanged montmorillonite. <i>Applied Clay Science</i> , 1998, 13, 13-20. | 5.2 | 119 |

| # | ARTICLE | IF | CITATIONS |
|-----|---|-----|-----------|
| 109 | Synthesis of a Low-Carbonate High-Charge Hydrotalcite-like Compound at Ambient Pressure and Atmosphere. <i>Chemistry of Materials</i> , 1997, 9, 417-419. | 6.7 | 30 |
| 110 | Tetramethylphosphonium- and Tetramethylammonium-Smectites as Adsorbents of Aromatic and Chlorinated Hydrocarbons: Effect of Water on Adsorption Efficiency. <i>Clays and Clay Minerals</i> , 1995, 43, 318-323. | 1.3 | 84 |
| 111 | Studies of the oxidation state and location of palladium species in Al ₁₃ -pillared montmorillonite. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1991, 87, 3083. | 1.7 | 7 |
| 112 | Electron spin resonance and X-ray diffraction studies of copper(II)-ion-doped Zr ⁴ -pillared montmorillonite clay. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 691. | 1.7 | 11 |
| 113 | Synthesis and electron spin resonance studies of copper-doped alumina-pillared montmorillonite clay. <i>The Journal of Physical Chemistry</i> , 1988, 92, 6073-6078. | 2.9 | 31 |
| 114 | Stability of mineral-organic matter associations under varying biogeochemical conditions. <i>Soil Science Society of America Journal</i> , 0, , . | 2.2 | 0 |
| 115 | Selective Interactions of Soil Organic Matter Compounds with Calcite and the Role of Aqueous Ca. <i>ACS Earth and Space Chemistry</i> , 0, , . | 2.7 | 4 |