# Yunfei Xi

## List of Publications by Year in descending order

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| 254 | 9,540 | 47409 49 | 53065 89 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 255 | 255 | 255 | 9771 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hydrothermal carbons/ferrihydrite heterogeneous Fenton catalysts with low H2O2 consumption and the effect of graphitization degrees. Chemosphere, 2022, 287, 131933. | 4.2 | 21 |
| 2 | Effects of vermiculite on in-situ thermal behaviour, microstructure, physical and mechanical properties of fired clay bricks. Construction and Building Materials, 2022, 316, 125828. | 3.2 | 30 |
| 3 | Influence of palygorskite on in-situ thermal behaviours of clay mixtures and properties of fired bricks. Applied Clay Science, 2022, 216, 106384. | 2.6 | 10 |
| 4 | Magnetite Nanoparticles Loaded into Halloysite Nanotubes for Arsenic(V) Removal from Water. ACS Applied Nano Materials, 2022, 5, 12063-12076. | 2.4 | 14 |
| 5 | Development of novel multifunctional adsorbent by effectively hosting both zwitterionic surfactant and hydrated ferric oxides in montmorillonite. Science of the Total Environment, 2021, 774, 144974. | 3.9 | 6 |
| 6 | Technical development of characterization methods provides insights into clay mineral-water interactions: A comprehensive review. Applied Clay Science, 2021, 206, 106088. | 2.6 | 26 |
| 7 | Thermal behaviours of clay mixtures during brick firing: A combined study of in-situ XRD, TGA and thermal dilatometry. Construction and Building Materials, 2021, 299, 124319. | 3.2 | 19 |
| 8 | Organoclay-derived lamellar silicon carbide/carbon composite as an ideal support for Pt nanoparticles: facile synthesis and toluene oxidation performance. Chemical Communications, 2020, 56, 9489-9492. | 2.2 | 3 |
| 9 | Diatomite-Metal-Organic Framework Composite with Hierarchical Pore Structures for Adsorption/Desorption of Hydrogen, Carbon Dioxide and Water Vapor. Materials, 2020, 13, 4700. | 1.3 | 13 |
| 10 | Facile surface improvement of LaCoO<sub>3</sub> perovskite with high activity and water resistance towards toluene oxidation: Ca substitution and citric acid etching. Catalysis Science and Technology, 2020, 10, 5829-5839. | 2.1 | 40 |
| 11 | CNTs/ferrihydrite as a highly efficient heterogeneous Fenton catalyst for the degradation of bisphenol A: The important role of CNTs in accelerating Fe(III)/Fe(II) cycling. Applied Catalysis B: Environmental, 2020, 270, 118891. | 10.8 | 152 |
| 12 | Sepiolite/Fe3O4 composite for effective degradation of diuron. Applied Clay Science, 2019, 181, 105243. | 2.6 | 24 |
| 13 | Keggin-Al30: An intercalant for Keggin-Al30 pillared montmorillonite. Applied Clay Science, 2019, 180, 105203. | 2.6 | 16 |
| 14 | Transformation of boehmite into 2:1 type layered aluminosilicates with different layer charges under hydrothermal conditions. Applied Clay Science, 2019, 181, 105207. | 2.6 | 7 |
| 15 | Highly stable hierarchical porous nanosheet composite phase change materials for thermal energy storage. Applied Thermal Engineering, 2019, 163, 114417. | 3.0 | 29 |
| 16 | The structural change of vermiculite during dehydration processes: A real-time in-situ XRD method. Applied Clay Science, 2019, 183, 105332. | 2.6 | 26 |
| 17 | Nanoclay-modulated oxygen vacancies of metal oxide. Communications Chemistry, 2019, 2, . | 2.0 | 84 |
| 18 | The distinct effects of substitution and deposition of Ag in perovskite LaCoO3 on the thermally catalytic oxidation of toluene. Applied Surface Science, 2019, 489, 905-912. | 3.1 | 47 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Strategies for enhancing the heterogeneous Fenton catalytic reactivity: A review. Applied Catalysis B: Environmental, 2019, 255, 117739. | 10.8 | 687 |
| 20 | Simultaneous adsorption and degradation of 2,4-dichlorophenol on sepiolite-supported bimetallic Fe/Ni nanoparticles. Journal of Environmental Chemical Engineering, 2019, 7, 102955. | 3.3 | 27 |
| 21 | The catalytic oxidation of formaldehyde over palygorskite-supported copper and manganese oxides: Catalytic deactivation and regeneration. Applied Surface Science, 2019, 464, 287-293. | 3.1 | 64 |
| 22 | Arrangement Models of Keggin-Al<sub>30</sub> and Keggin-Al<sub>13</sub> in the Interlayer of Montmorillonite and the Impacts of Pillaring on Surface Acidity: A Comparative Study on Catalytic Oxidation of Toluene. Langmuir, 2019, 35, 382-390. | 1.6 | 25 |
| 23 | Highly ordered and hexagonal mesoporous silica materials with large specific surface from natural rectorite mineral. Microporous and Mesoporous Materials, 2019, 279, 53-60. | 2.2 | 39 |
| 24 | Simultaneous detoxification of polar aflatoxin B1 and weak polar zearalenone from simulated gastrointestinal tract by zwitterionic montmorillonites. Journal of Hazardous Materials, 2019, 364, 227-237. | 6.5 | 52 |
| 25 | Degradation of 2,4-dichlorophenol using palygorskite-supported bimetallic Fe/Ni nanocomposite as a heterogeneous catalyst. Applied Clay Science, 2019, 168, 276-286. | 2.6 | 40 |
| 26 | Notch effects on deformation of crystalline and amorphous AlN â€“ A nanoscale study. Ceramics International, 2019, 45, 907-917. | 2.3 | 6 |
| 27 | Heterogeneous photo-Fenton degradation of bisphenol A over Ag/AgCl/ferrihydrite catalysts under visible light. Chemical Engineering Journal, 2018, 346, 567-577. | 6.6 | 157 |
| 28 | Evaluation of nonionic surfactant modified montmorillonite as mycotoxins adsorbent for aflatoxin B1 and zearalenone. Journal of Colloid and Interface Science, 2018, 518, 48-56. | 5.0 | 57 |
| 29 | Catalytic degradation of Orange II in aqueous solution using diatomite-supported bimetallic Fe/Ni nanoparticles. RSC Advances, 2018, 8, 7687-7696. | 1.7 | 29 |
| 30 | Superior thermal stability of Keggin-Al 30 pillared montmorillonite: A comparative study with Keggin-Al 13 pillared montmorillonite. Microporous and Mesoporous Materials, 2018, 265, 104-111. | 2.2 | 25 |
| 31 | Effect of acid activation of palygorskite on their toluene adsorption behaviors. Applied Clay Science, 2018, 159, 60-67. | 2.6 | 83 |
| 32 | Plasmonic Ag coated Zn/Ti-LDH with excellent photocatalytic activity. Applied Surface Science, 2018, 433, 458-467. | 3.1 | 83 |
| 33 | Calcined Mg/Al layered double hydroxides as efficient adsorbents for polyhydroxy fullerenes. Applied Clay Science, 2018, 151, 66-72. | 2.6 | 16 |
| 34 | Adsorption of ammonium by different natural clay minerals: Characterization, kinetics and adsorption isotherms. Applied Clay Science, 2018, 159, 83-93. | 2.6 | 218 |
| 35 | Synergetic effect of Cu and Mn oxides supported on palygorskite for the catalytic oxidation of formaldehyde: Dispersion, microstructure, and catalytic performance. Applied Clay Science, 2018, 161, 265-273. | 2.6 | 55 |
| 36 | A nanoclay-induced defective g-C<sub>3</sub>N<sub>4</sub> photocatalyst for highly efficient catalytic reactions. Chemical Communications, 2018, 54, 8249-8252. | 2.2 | 33 |

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|---|---|---|---|
| 37 | Visible-light Ag/AgBr/ferrihydrite catalyst with enhanced heterogeneous photo-Fenton reactivity via electron transfer from Ag/AgBr to ferrihydrite. Applied Catalysis B: Environmental, 2018, 239, 280-289. | 10.8 | 123 |
| 38 | An investigation into mechanism of cation adsorption by reconstruction of calcined layered double hydroxide. Microporous and Mesoporous Materials, 2017, 242, 182-189. | 2.2 | 16 |
| 39 | Keggin-Al 30 pillared montmorillonite. Microporous and Mesoporous Materials, 2017, 242, 256-263. | 2.2 | 39 |
| 40 | Novel intercalation mechanism of zwitterionic surfactant modified montmorillonites. Applied Clay Science, 2017, 141, 265-271. | 2.6 | 50 |
| 41 | Clay-supported nanoscale zero-valent iron composite materials for the remediation of contaminated aqueous solutions: A review. Chemical Engineering Journal, 2017, 312, 336-350. | 6.6 | 267 |
| 42 | Structures of nonionic surfactant modified montmorillonites and their enhanced adsorption capacities towards a cationic organic dye. Applied Clay Science, 2017, 148, 1-10. | 2.6 | 59 |
| 43 | Remediation of Cr (VI) by inorganic-organic clay. Journal of Colloid and Interface Science, 2017, 490, 163-173. | 5.0 | 48 |
| 44 | Enhanced photocatalytic activity of Zn/Ti-LDH via hybridizing with C60. Molecular Catalysis, 2017, 427, 54-61. | 1.0 | 34 |
| 45 | In situ sequentially generation of acid and ferrous ions for environmental remediation. Chemical Engineering Journal, 2016, 302, 223-232. | 6.6 | 15 |
| 46 | Synthesis and performance of iron oxide-based porous ceramsite in a biological aerated filter for the simultaneous removal of nitrogen and phosphorus from domestic wastewater. Separation and Purification Technology, 2016, 167, 154-162. | 3.9 | 48 |
| 47 | Vibrational spectroscopic characterization of mudstones in a hydrocarbon-bearing depression, South China Sea: Implications for thermal maturity evaluation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 153, 241-248. | 2.0 | 5 |
| 48 | Bisphenol A degradation by a new acidic nano zero-valent iron diatomite composite. Catalysis Science and Technology, 2016, 6, 6066-6075. | 2.1 | 34 |
| 49 | Aggregative growth of quasi-octahedral iron pyrite mesocrystals in a polyol solution through oriented attachment. CrystEngComm, 2016, 18, 8823-8828. | 1.3 | 12 |
| 50 | Fullerol modification ferrihydrite for the degradation of acid red 18 under simulated sunlight irradiation. Journal of Molecular Catalysis A, 2016, 424, 393-401. | 4.8 | 24 |
| 51 | Performance of Ti-pillared montmorillonite supported Fe catalysts for toluene oxidation: The effect of Fe on catalytic activity. Applied Clay Science, 2016, 132-133, 96-104. | 2.6 | 47 |
| 52 | Adsorbents based on montmorillonite for contaminant removal from water: A review. Applied Clay Science, 2016, 123, 239-258. | 2.6 | 389 |
| 53 | Efficiency of Feâ€“montmorillonite on the removal of Rhodamine B and hexavalent chromium from aqueous solution. Applied Clay Science, 2016, 120, 9-15. | 2.6 | 53 |
| 54 | Adsorption of phenol, phosphate and Cd(II) by inorganicâ€“organic montmorillonites: A comparative study of single and multiple solute. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 497, 63-71. | 2.3 | 43 |

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|---|---|---|---|
| 55 | Environmental applications of inorganicâ€“organic clays for recalcitrant organic pollutants removal: Bisphenol A. Journal of Colloid and Interface Science, 2016, 470, 183-195. | 5.0 | 69 |
| 56 | Co-adsorption of phosphate and zinc(II) on the surface of ferrihydrite. Chemosphere, 2016, 144, 1148-1155. | 4.2 | 118 |
| 57 | Adsorption of phenol and Cu(II) onto cationic and zwitterionic surfactant modified montmorillonite in single and binary systems. Chemical Engineering Journal, 2016, 283, 880-888. | 6.6 | 112 |
| 58 | A combined FTIR and infrared emission spectroscopy investigation of layered double hydroxide as an effective electron donor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 154, 13-19. | 2.0 | 1 |
| 59 | Thermal analysis evidence for the location of zwitterionic surfactant on clay minerals. Applied Clay Science, 2015, 112-113, 62-67. | 2.6 | 27 |
| 60 | Organo-Clays As Sorbents of Hydrophobic Organic Contaminants: Sorptive Characteristics and Approaches to Enhancing Sorption Capacity. Clays and Clay Minerals, 2015, 63, 199-221. | 0.6 | 32 |
| 61 | Simultaneous adsorption of Cd(<scp>ii</scp>) and phosphate on Al<sub>13</sub> pillared montmorillonite. RSC Advances, 2015, 5, 77227-77234. | 1.7 | 39 |
| 62 | Application of organo-beidellites for the adsorption of atrazine. Applied Clay Science, 2015, 105-106, 252-258. | 2.6 | 36 |
| 63 | A Vibrational Spectroscopic Study of the Silicate Mineral Kornerupine. Spectroscopy Letters, 2015, 48, 487-491. | 0.5 | 4 |
| 64 | Structural and thermal properties of inorganicâ€“organic montmorillonite: Implications for their potential environmental applications. Journal of Colloid and Interface Science, 2015, 459, 17-28. | 5.0 | 26 |
| 65 | From spent Mg/Al layered double hydroxide to porous carbon materials. Journal of Hazardous Materials, 2015, 300, 572-580. | 6.5 | 28 |
| 66 | Raman and Infrared Spectroscopic Characterization of the Silicate Mineral Lamprophyllite. Spectroscopy Letters, 2015, 48, 701-704. | 0.5 | 1 |
| 67 | Thermogravimetric analysis of tetradecyltrimethylammonium bromide-modified beidellites. Journal of Thermal Analysis and Calorimetry, 2015, 120, 67-71. | 2.0 | 2 |
| 68 | Raman and infrared spectroscopic study of turquoise minerals. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 149, 173-182. | 2.0 | 19 |
| 69 | A vibrational spectroscopic study of the anhydrous phosphate mineral sidorenkite Na3Mn(PO4)(CO3). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 930-934. | 2.0 | 10 |
| 70 | Vibrational Spectroscopy of the Borate Mineral Priceiteâ€”Implications for the Molecular Structure. Spectroscopy Letters, 2015, 48, 101-106. | 0.5 | 4 |
| 71 | A vibrational spectroscopic study of the copper bearing silicate mineral luddenite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 137, 717-720. | 2.0 | 2 |
| 72 | A Raman spectroscopic study of the arsenate mineral chenevixite Cu2Fe23+(AsO4)2(OH)4â‹…H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2015, 135, 192-197. | 2.0 | 2 |

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|---|---|---|---|
| 73 | Vibrational Spectroscopic Characterization of the Sulphate-Carbonate Mineral Burkeite: Implications for Evaporites. Spectroscopy Letters, 2014, 47, 564-570. | 0.5 | 7 |
| 74 | Vibrational Spectroscopic Characterization of the Arsenate Mineral Barahonaite: Implications for the Molecular Structure. Spectroscopy Letters, 2014, 47, 571-578. | 0.5 | 2 |
| 75 | The Molecular Structure of the Phosphate Mineral VÃyrynenite: A Vibrational Spectroscopic Study. Spectroscopy Letters, 2014, 47, 253-260. | 0.5 | 3 |
| 76 | A vibrational spectroscopic study of the borate mineral takedaite Ca3(BO3)2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 132, 833-837. | 2.0 | 10 |
| 77 | A vibrational spectroscopic study of the phosphate mineral lulzacite Sr2Fe2+(Fe2+,Mg)2Al4(PO4)4(OH)10. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 243-247. | 2.0 | 2 |
| 78 | Raman and infrared spectroscopic studies of phurcalite from Red Canyon, Utah, USA â€“ Implications for the molecular structure. Journal of Molecular Structure, 2014, 1068, 14-19. | 1.8 | 2 |
| 79 | Vibrational spectroscopy of the borate mineral pinnoite MgB2O(OH)6. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 428-433. | 2.0 | 13 |
| 80 | A vibrational spectroscopic study of the phosphate mineral churchite (REE)(PO4)â‹…2H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 429-433. | 2.0 | 8 |
| 81 | The molecular structure of the phosphate mineral beraunite Fe2+Fe53+(PO4)4(OH)5â‹…4H2O â€“ A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 408-412. | 2.0 | 14 |
| 82 | A vibrational spectroscopic study of a hydrated hydroxy-phosphate mineral fluellite, Al2(PO4)F2(OH)Â·7H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 126, 157-163. | 2.0 | 4 |
| 83 | The molecular structure of the borate mineral rhodizite (K, Cs)Al4Be4(B, Be)12O28 â€“ A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 291-294. | 2.0 | 4 |
| 84 | Infrared and Raman spectroscopic characterization of the borate mineral hydroboracite CaMg[B3O4(OH)3]2â‹…3H2O â€“ Implications for the molecular structure. Journal of Molecular Structure, 2014, 1059, 20-26. | 1.8 | 7 |
| 85 | A vibrational spectroscopic study of the arsenate minerals cobaltkoritnigite and koritnigite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 125, 313-318. | 2.0 | 4 |
| 86 | A vibrational spectroscopic study of the phosphate mineral minyulite KAl2(OH,F)(PO4)2â‹…4(H2O) and in comparison with wardite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 34-39. | 2.0 | 5 |
| 87 | Vibrational spectroscopy of the borate mineral olshanskyite Ca3[B(OH)4]4(OH)2. Carbonates and Evaporites, 2014, 29, 33-39. | 0.4 | 4 |
| 88 | A new approach to prepare ZVI and its application in removal of Cr(VI) from aqueous solution. Chemical Engineering Journal, 2014, 244, 264-272. | 6.6 | 67 |
| 89 | Bisphenol A degradation enhanced by air bubbles via advanced oxidation using in situ generated ferrous ions from nano zero-valent iron/palygorskite composite materials. Chemical Engineering Journal, 2014, 247, 66-74. | 6.6 | 102 |
| 90 | Raman spectroscopy of the arsenate minerals maxwellite and in comparison with tilasite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 416-420. | 2.0 | 4 |

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|---|---|---|---|
| 91 | A Raman spectroscopic study of a hydrated molybdate mineral ferrimolybdite, Fe2(MoO4)3Â·7â€“8H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 130, 83-89. | 2.0 | 20 |
| 92 | A vibrational spectroscopic study of the phosphate mineral whiteite CaMn++Mg2Al2(PO4)4(OH)2Â·8(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 124, 243-248. | 2.0 | 29 |
| 93 | Reply to the Comments on â€œA study of the phosphate mineral kapundaite NaCa(Fe3+)4(PO4)4(OH)3Â·5(H2O) using SEM/EDX and vibrational spectroscopic methodsâ€•by Frost et al. (2014). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 526. | 2.0 | 0 |
| 94 | Structural characterization and vibrational spectroscopy of the arsenate mineral wendwilsonite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 737-743. | 2.0 | 3 |
| 95 | Vibrational spectroscopy of the borate mineral tunellite SrB6O9(OH)2Â·3(H2O) â€“ Implications for the molecular structure. Journal of Molecular Structure, 2014, 1059, 40-43. | 1.8 | 4 |
| 96 | A Vibrational Spectroscopic Study of the Sulfate Mineral Glauberite. Spectroscopy Letters, 2014, 47, 740-745. | 0.5 | 9 |
| 97 | Infrared and Raman Spectroscopic Characterization of the Borate Mineral Vonsenite. Spectroscopy Letters, 2014, 47, 512-517. | 0.5 | 4 |
| 98 | Vibrational spectroscopy of the borate mineral chambersite MnB7O13Cl â€“ Implications for the molecular structure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 270-273. | 2.0 | 4 |
| 99 | Infrared and Raman Spectroscopic Characterization of the Silicate Mineral Gilalite Cu<sub>5</sub>Si<sub>6</sub>O<sub>17</sub>ÂÂ·Â7H<sub>2</sub>O. Spectroscopy Letters, 2014, 47, 488-493. | 0.5 | 2 |
| 100 | Assessment of the Molecular Structure of an Intermediate Member of the Triplite-Zwieselite Mineral Series: A Raman and Infrared Study. Spectroscopy Letters, 2014, 47, 214-222. | 0.5 | 3 |
| 101 | A vibrational spectroscopic study of the silicate mineral plumbophyllite Pb2Si4O10â‹…H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 665-670. | 2.0 | 1 |
| 102 | A Raman and infrared spectroscopic analysis of the phosphate mineral wardite NaAl3(PO4)2(OH)4â‹…2(H2O) from Brazil. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 126, 164-169. | 2.0 | 9 |
| 103 | The molecular structure of the vanadate mineral mottramite [PbCu(VO4)(OH)] from Tsumeb, Namibia â€“ A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 252-256. | 2.0 | 7 |
| 104 | Vibrational spectroscopy of the sulphate mineral sturmanite from Kuruman manganese deposits, South Africa. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 133, 24-30. | 2.0 | 4 |
| 105 | A vibrational spectroscopic study of the arsenate mineral bayldonite (Cu,Zn)3Pb(AsO3OH)2(OH)2 â€“ A comparison with other basic arsenates. Journal of Molecular Structure, 2014, 1056-1057, 267-272. | 1.8 | 7 |
| 106 | Vibrational spectroscopic characterization of the phosphate mineral althausite Mg2(PO4)(OH,F,O) â€“ Implications for the molecular structure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 252-256. | 2.0 | 6 |
| 107 | A vibrational spectroscopic study of the silicate mineral inesite Ca2(Mn,Fe)7Si10O28(OH)â‹…5H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 128, 207-211. | 2.0 | 2 |
| 108 | A Raman and infrared spectroscopic characterisation of the phosphate mineral phosphohedyphane Ca2Pb3(PO4)3Cl from the Roote mine, Nevada, USA. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 127, 237-242. | 2.0 | 6 |

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|---|---|---|---|
| 109 | Vibrational spectroscopy of the borate mineral gaudefroyite from Nâ€™Chwaning II mine, Kalahari, Republic of South Africa. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 120, 265-269. | 2.0 | 4 |
| 110 | A study of the phosphate mineral kapundaite NaCa(Fe3+)4(PO4)4(OH)3â‹…5(H2O) using SEM/EDX and vibrational spectroscopic methods. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 400-404. | 2.0 | 6 |
| 111 | Characterization of the sulphate mineral coquimbite, a secondary iron sulphate from Javier Ortega mine, Lucanas Province, Peru â€“ Using infrared, Raman spectroscopy and thermogravimetry. Journal of Molecular Structure, 2014, 1063, 251-258. | 1.8 | 17 |
| 112 | Raman, infrared and near-infrared spectroscopic characterization of the herderiteâ€“hydroxylherderite mineral series. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 430-437. | 2.0 | 11 |
| 113 | Vibrational spectroscopic study of the uranyl selenite mineral derriksite Cu4UO2(SeO3)2(OH)6â‹…H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 117, 473-477. | 2.0 | 11 |
| 114 | Vibrational spectroscopy of the multianion mineral gartrellite from the Anticline Deposit, Ashburton Downs, Western Australia. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 123, 54-58. | 2.0 | 1 |
| 115 | A vibrational spectroscopic study of the silicate mineral ardennite-(As). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 118, 987-991. | 2.0 | 8 |
| 116 | Thermoanalytical study of the minerals apophyllite-(KF) KCa4Si8O20FÂ·8H2O and apophyllite-(KOH) KCa4Si8O20(F,OH)Â·8H2O. Journal of Thermal Analysis and Calorimetry, 2013, 112, 607-614. | 2.0 | 3 |
| 117 | Thermogravimetric analysis of the copper silicate mineral dioptase Cu6[Si6O18]Â·6H2O. Journal of Thermal Analysis and Calorimetry, 2013, 112, 615-619. | 2.0 | 8 |
| 118 | Vibrational spectroscopic characterization of the phosphate mineral kulanite Ba(Fe2+,Mn2+,Mg)2(Al,Fe3+)2(PO4)3(OH)3. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 22-25. | 2.0 | 6 |
| 119 | Vibrational spectroscopy of the borate mineral kotoite Mg3(BO3)2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 151-155. | 2.0 | 12 |
| 120 | Vibrational spectroscopy of the borate mineral henmilite Ca2Cu[B(OH)4]2(OH)4. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 356-360. | 2.0 | 5 |
| 121 | Vibrational spectroscopic characterization of the phosphate mineral barbosalite <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" | 1.8 | 10 |
| 122 | Infrared and Raman spectroscopic characterization of the silicate mineral olmiite CaMn2+[SiO3(OH)](OH) â€“ implications for the molecular structure. Journal of Molecular Structure, 2013, 1053, 22-26. | 1.8 | 7 |
| 123 | Infrared and Raman spectroscopic characterization of the silicateâ€“carbonate mineral carletonite â€“ KNa4Ca4Si8O18(CO3)4(OH,F)Â·H2O. Journal of Molecular Structure, 2013, 1042, 1-7. | 1.8 | 9 |
| 124 | Assessment of the molecular structure of natrodufrÃ©nite â€“ <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/co | 1.8 | 1 |
| 125 | Vibrational spectroscopic characterization of the phosphate mineral series eosphoriteâ€“childreniteâ€“(Mn,Fe)Al(PO4)(OH)2Â·(H2O). Vibrational Spectroscopy, 2013, 67, 14-21. | 1.2 | 5 |
| 126 | Vibrational spectroscopic study of the mineral penkvilksite Na<sub>2</sub>TiSi<sub>4</sub>O<sub>11</sub>Â·2H<sub>2</sub>O â€“ a mineral used for the uptake of radionuclides. Radiation Effects and Defects in Solids, 2013, 168, 72-79. | 0.4 | 4 |

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|---|---|---|---|
| 127 | Vibrational spectroscopy of the phosphate mineral lazulite â€“ (Mg, Fe)Al2(PO4)2Â·(OH)2 found in the Minas Gerais, Brazil. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 107, 241-247. | 2.0 | 16 |
| 128 | Vibrational spectroscopic characterization of the phosphate mineral ludlamite (Fe,Mn,Mg)3(PO4)2â‹…4H2O â€“ A mineral found in lithium bearing pegmatites. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 143-150. | 2.0 | 9 |
| 129 | Vibrational spectroscopy of the silicate mineral plumbotsumite Pb5(OH)10Si4O8 â€“ An assessment of the molecular structure. Journal of Molecular Structure, 2013, 1054-1055, 228-233. | 1.8 | 3 |
| 130 | Raman and Infrared Spectroscopic Characterization of the Phosphate Mineral Lithiophiliteâ€”LiMnPO<sub>4</sub>. Phosphorus, Sulfur and Silicon and the Related Elements, 2013, 188, 1526-1534. | 0.8 | 5 |
| 131 | Degradation of simazine from aqueous solutions by diatomite-supported nanosized zero-valent iron composite materials. Journal of Hazardous Materials, 2013, 263, 768-777. | 6.5 | 80 |
| 132 | Vibrational spectroscopic characterization of the phosphate mineral bermaniteâ€“. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 105, 359-364. | 2.0 | 6 |
| 133 | A vibrational spectroscopic study of the phosphate mineral cyrilovite Na(Fe3+)3(PO4)2(OH)4Â·2(H2O) and in comparison with wardite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 108, 244-250. | 2.0 | 12 |
| 134 | Raman and infrared spectroscopic characterization of the phosphate mineral paravauxite Fe2+Al2(PO4)2(OH)2â‹…8H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 491-496. | 2.0 | 16 |
| 135 | Spectroscopic characterization of the phosphate mineral florencite-La â€“ LaAl3(PO4)2(OH, H2O)6, a potential tool in the REE mineral prospection. Journal of Molecular Structure, 2013, 1037, 148-153. | 1.8 | 12 |
| 136 | Infrared and Raman spectroscopic characterization of the carbonate mineral huanghoite â€“ And in comparison with selected rare earth carbonates. Journal of Molecular Structure, 2013, 1051, 221-225. | 1.8 | 20 |
| 137 | Vibrational Spectroscopy of Natural Cave Mineral Monetite CaHPO4and the Synthetic Analog. Spectroscopy Letters, 2013, 46, 54-59. | 0.5 | 12 |
| 138 | Mid- and near-infrared spectroscopic investigation of homogeneous cation distribution in MgxZnyAl(x+y)/2-layered double hydroxide (LDH). Journal of Colloid and Interface Science, 2013, 411, 240-246. | 5.0 | 21 |
| 139 | A Vibrational Spectroscopic Study of the So-Called Healing Mineral Papagoite CaCuAlSi2O6(OH)3. Spectroscopy Letters, 2013, 46, 344-349. | 0.5 | 1 |
| 140 | Is chrysocolla (Cu,Al)2H2Si2O5(OH)4Â·nH2O related to spertiniite Cu(OH)2?â€”A vibrational spectroscopic study. Vibrational Spectroscopy, 2013, 64, 33-38. | 1.2 | 27 |
| 141 | Raman spectroscopic study of the hydroxy-phosphate mineral plumbogummite PbAl3(PO4)2(OH,H2O)6. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 103, 431-434. | 2.0 | 19 |
| 142 | Vibrational spectroscopy of the phosphate mineral kovdorskite â€“ Mg2PO4(OH)â‹…3H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 309-315. | 2.0 | 16 |
| 143 | Thermal analysis and vibrational spectroscopic characterization of the boro silicate mineral datolite â€“ CaBSiO4(OH). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 115, 376-381. | 2.0 | 9 |
| 144 | Infrared and Raman spectroscopic characterization of the borate mineral colemanite â€“ CaB3O4(OH)3Â·H2O â€“ implications for the molecular structure. Journal of Molecular Structure, 2013, 1037, 23-28. | 1.8 | 23 |

| # | Article | IF | Citations |
|---|---|---|---|
| 145 | Characterization of the sulphate mineral amarantite â€“ using infrared, Raman spectroscopy and thermogravimetry. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 85-91. | 2.0 | 15 |
| 146 | Vibrational spectroscopic characterization of the phosphate mineral phosphophyllite â€“ Zn2Fe(PO4)2Â·4H2O, from Hagendorf SÃ¼d, Germany and in comparison with other zinc phosphates. Journal of Molecular Structure, 2013, 1039, 22-27. | 1.8 | 17 |
| 147 | Vibrational spectroscopic characterization of the sulphate mineral khademite Al(SO4)Fâ‹…5(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 165-169. | 2.0 | 10 |
| 148 | Infrared and Raman spectroscopic characterization of the arsenate mineral ceruleite Cu2Al7(AsO4)4(OH)13â‹…11.5(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 518-523. | 2.0 | 9 |
| 149 | The molecular structure of the borate mineral inderite Mg(H4B3O7)(OH)â‹…5H2O â€“ A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 160-164. | 2.0 | 9 |
| 150 | Infrared and Raman spectroscopic characterization of the carbonate mineral weloganite â€“ Sr3Na2Zr(CO3)6Â·3H2O and in comparison with selected carbonates. Journal of Molecular Structure, 2013, 1039, 101-106. | 1.8 | 10 |
| 151 | Vibrational spectroscopic characterization of the phosphate mineral hureaulite â€“ (Mn,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5 | 1.2 | 55 |
| 152 | The molecular structure of the phosphate mineral senegalite Al2(PO4)(OH)3â‹…3H2O â€“ A vibrational spectroscopic study. Journal of Molecular Structure, 2013, 1048, 420-425. | 1.8 | 9 |
| 153 | Vibrational spectroscopic characterization of the sulphate mineral leightonite K2Ca2Cu(SO4)4â‹…2H2O â€“ Implications for the molecular structure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 112, 90-94. | 2.0 | 4 |
| 154 | Vibrational spectroscopy of the mineral meyerhofferite CaB3O3(OH)5Â·H2O â€“ An assessment of the molecular structure. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 27-32. | 2.0 | 11 |
| 155 | A vibrational spectroscopic study of the phosphate mineral zanazziite â€“ Ca2(MgFe2+)(MgFe2+Al)4Be4(PO4)6â‹…6(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 250-256. | 2.0 | 8 |
| 156 | A Raman spectroscopic study of the basic carbonate mineral callaghanite Cu2Mg2(CO3)(OH)6â‹…2H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 108, 171-176. | 2.0 | 11 |
| 157 | The phosphate mineral arrojadite-(KFe) and its spectroscopic characterization. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 138-145. | 2.0 | 5 |
| 158 | The molecular structure of the phosphate mineral chalcosiderite â€“ A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 111, 24-30. | 2.0 | 9 |
| 159 | Raman and infrared spectroscopic study of the mineral goyazite SrAl3(PO4)2(OH)5Â·H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 116, 204-208. | 2.0 | 7 |
| 160 | The spectroscopic characterization of the sulphate mineral ettringite from Kuruman manganese deposits, South Africa. Vibrational Spectroscopy, 2013, 68, 266-271. | 1.2 | 16 |
| 161 | Infrared and Raman spectroscopic characterisation of the sulphate mineral creedite â€“ Ca3Al2SO4(F,OH)Â·2H2O â€“ and in comparison with the alums. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 109, 201-205. | 2.0 | 11 |
| 162 | Vibrational Spectroscopic Characterization of the Phosphate Mineral Anapaite Ca<sub>2</sub>Fe<sup>2+</sup>(PO<sub>4</sub>)<sub>2</sub>ÂÂ·Â4(H<sub>2</sub>O). Spectroscopy Letters, 2013, 46, 441-446. | 0.5 | 3 |

| # | Article | IF | Citations |
|---|---|---|---|
| 163 | The molecular structure of matioliite â€“ NaMgAl5(PO4)4(OH)6Â·2(H2O) â€“ A pegmatite mineral from Minas Gerais, Brazil. Journal of Molecular Structure, 2013, 1033, 265-271. | 1.8 | 4 |
| 164 | The phosphate mineral sigloite Fe3+Al2(PO4)2(OH)3Â·7(H2O), an exception to the paragenesis rule â€“ A vibrational spectroscopic study. Journal of Molecular Structure, 2013, 1033, 258-264. | 1.8 | 10 |
| 165 | Vibrational Spectroscopy of the Copper (II) Disodium Sulphate Dihydrate Mineral KrÃ¶hnkite Na2Cu(SO4)2ÂÂ·Â2H2O. Spectroscopy Letters, 2013, 46, 447-452. | 0.5 | 4 |
| 166 | Raman spectroscopic study of the mineral qingheiite Na2(Mn2+,Mg,Fe2+)2(Al,Fe3+)(PO4)3, a pegmatite phosphate mineral from Santa Ana pegmatite, Argentina. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 114, 486-490. | 2.0 | 4 |
| 167 | SEMâ€“EDX, Raman and infrared spectroscopic characterization of the phosphate mineral frondelite (Mn2+)(Fe3+)4(PO4)3(OH)5. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 110, 7-13. | 2.0 | 13 |
| 168 | A vibrational spectroscopic study of philipsbornite PbAl3(AsO4)2(OH)5â‹…H2O-molecular structural implications and relationship to the crandallite subgroup arsenates. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 104, 257-261. | 2.0 | 5 |
| 169 | Infrared and Raman spectroscopic characterization of the phosphate mineral fairfieldite â€“ Ca2(Mn2+,Fe2+)2(PO4)2Â·2(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2013, 106, 216-223. | 2.0 | 8 |
| 170 | Infrared and Raman Spectroscopic Characterization of the Phosphate Mineral Leucophosphite K(Fe3+)2(PO4)2(OH)ÂÂ·Â2(H2O). Spectroscopy Letters, 2013, 46, 415-420. | 0.5 | 10 |
| 171 | Chemistry, Raman and infrared spectroscopic characterization of the phosphate mineral reddingite: (MnFe)3(PO4)2(H2O,OH)3, a mineral found in lithium-bearing pegmatite. Physics and Chemistry of Minerals, 2012, 39, 803-810. | 0.3 | 5 |
| 172 | Raman Spectroscopic Study of the Copper Silicate Mineral Apachite Cu9Si10O29ÂÂ·Â11H2O. Spectroscopy Letters, 2012, 45, 575-580. | 0.5 | 1 |
| 173 | The borate mineral jeremejevite Al6(BO3)5(F,OH)3 â€“ A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 831-836. | 2.0 | 5 |
| 174 | Assessment of the molecular structure of the borate mineral sakhaite Ca12Mg4(BO3)7(CO3)4Cl(OH)2Â·H2O using vibrational spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 611-616. | 2.0 | 6 |
| 175 | Raman and infrared spectroscopic characterization of beryllonite, a sodium and beryllium phosphate mineral â€“ implications for mineral collectors. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 97, 1058-1062. | 2.0 | 8 |
| 176 | Thermogravimetric analysis, PXRD, EDX and XPS study of chrysocolla (Cu,Al)2H2Si2O5(OH)4Â·nH2O-structural implications. Thermochimica Acta, 2012, 545, 157-162. | 1.2 | 22 |
| 177 | Vibrational spectroscopic study of the copper silicate mineral ajoite (K,Na)Cu7AlSi9O24(OH)6Â·3H2O. Journal of Molecular Structure, 2012, 1018, 72-77. | 1.8 | 4 |
| 178 | Raman spectroscopic study of the minerals apophyllite-(KF) KCa4Si8O20FÂ·8H2O and apophyllite-(KOH) KCa4Si8O20(F,OH)Â·8H2O. Journal of Molecular Structure, 2012, 1028, 200-207. | 1.8 | 9 |
| 179 | Infrared and Raman spectroscopic characterization of the phosphate mineral kosnarite KZr2(PO4)3 in comparison with other pegmatitic phosphates. Transition Metal Chemistry, 2012, 37, 777-782. | 0.7 | 16 |
| 180 | Bioreactive Organoclay: A New Technology for Environmental Remediation. Critical Reviews in Environmental Science and Technology, 2012, 42, 435-488. | 6.6 | 101 |

| # | Article | IF | Citations |
|---|---|---|---|
| 181 | Raman spectroscopic study of the mineral xonotlite Ca6Si6O17(OH)2â€"A component of plaster boards. Materials Research Bulletin, 2012, 47, 3644-3649. | 2.7 | 19 |
| 182 | Vibrational Spectroscopy of the Multianion Mineral Kemmlitzite (Sr,Ce)Al3(AsO4)(SO4)(OH)6. Spectroscopy Letters, 2012, 45, 482-486. | 0.5 | 5 |
| 183 | Assessment of the molecular structure of the borate mineral boracite Mg3B7O13Cl using vibrational spectroscopy. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 946-951. | 2.0 | 4 |
| 184 | Raman spectroscopy of synthetic CaHPO<sub>4</sub>Â·2H<sub>2</sub>Oâ€“ and in comparison with the cave mineral brushite. Journal of Raman Spectroscopy, 2012, 43, 571-576. | 1.2 | 22 |
| 185 | Organoclays reduce arsenic bioavailability and bioaccessibility in contaminated soils. Journal of Soils and Sediments, 2012, 12, 704-712. | 1.5 | 34 |
| 186 | Surface charge characteristics of organo-palygorskites and adsorption of p-nitrophenol in flow-through reactor system. Chemical Engineering Journal, 2012, 185-186, 35-43. | 6.6 | 63 |
| 187 | Vibrational spectroscopic study of the mineral pitticite Fe, AsO4, SO4, H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 85, 173-178. | 2.0 | 14 |
| 188 | Raman spectroscopy of selected tsumcorite Pb(Zn,Fe3+)2(AsO4)2(OH,H2O) mineralsâ€"Implications for arsenate accumulation. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 86, 224-230. | 2.0 | 8 |
| 189 | Raman spectroscopy of the multi-anion mineral schlossmacherite (H3O,Ca)Al3(AsO4,PO4,SO4)2(OH)6. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 209-213. | 2.0 | 5 |
| 190 | Raman spectroscopic study of the mineral shattuckite Cu5(SiO3)4(OH)2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 87, 241-244. | 2.0 | 8 |
| 191 | Raman spectroscopy of the multianion mineral gartrellite-PbCu(Fe3+,Cu)(AsO4)2(OH,H2O)2. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 89, 93-98. | 2.0 | 4 |
| 192 | Vibrational spectroscopic study of the copper silicate mineral kinoite Ca2Cu2Si3O10(OH)4. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 89, 88-92. | 2.0 | 5 |
| 193 | A vibrational spectroscopic study of planchÃ©ite Cu8Si8O22(OH)4Â·H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 314-318. | 2.0 | 7 |
| 194 | Whelanite Ca5Cu2(OH)2CO3,Si6O17Â·4H2Oâ€"A vibrational spectroscopic study. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 319-323. | 2.0 | 4 |
| 195 | Vibrational spectroscopy and solubility study of the mineral stringhamite CaCuSiO4Â·H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 324-328. | 2.0 | 4 |
| 196 | Raman spectroscopic study of the mineral arsenogorceixite BaAl3AsO3(OH)(AsO4,PO4)(OH,F)6. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 91, 301-306. | 2.0 | 6 |
| 197 | Is the mineral borickyite (Ca,Mg)(Fe3+,Al)4(PO4,SO4,CO3)(OH)8Â·3â€"7.5H2O the same as delvauxite CaFe43+(PO4,SO4)2(OH)8Â·4â€"6H2O?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 92, 377-381. | 2.0 | 3 |
| 198 | A vibrational spectroscopic study of the phosphate mineral Wardite NaAl3(PO4)2(OH)4Â·2(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 93, 155-163. | 2.0 | 7 |

| # | Article | IF | Citations |
|---|---|---|---|
| 199 | Identification of montgomeryite mineral [Ca4MgAl4(PO4)6Â·(OH)4Â·12H2O] found in the Jenolan Cavesâ€"Australia. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 94, 1-5. | 2.0 | 6 |
| 200 | Vibrational spectroscopic study of the mineral creaseyite Cu2Pb2(Fe,Al)2(Si5O17)Â·6H2O â€" A zeolite mineral?. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 94, 6-11. | 2.0 | 2 |
| 201 | Vibrational spectroscopic study of multianion mineral clinotyrolite Ca2Cu9[(As,S)O4]4(OH)10Â·10(H2O). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 258-262. | 2.0 | 4 |
| 202 | Vibrational spectroscopic study of the minerals cavansite and pentagonite Ca(V4+O)Si4O10Â·4H2O. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 95, 263-269. | 2.0 | 13 |
| 203 | Raman spectroscopy of the borate mineral ameghinite NaB3O3(OH)4. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2012, 96, 89-94. | 2.0 | 12 |
| 204 | Molecular structure of the phosphate mineral brazilianite NaAl3(PO4)2(OH)4 â€" A semi precious jewel. Journal of Molecular Structure, 2012, 1010, 179-183. | 1.8 | 15 |
| 205 | Vibrational spectroscopy of synthetic archerite (K,NH4) and in comparison with the natural cave mineral. Journal of Molecular Structure, 2012, 1011, 128-133. | 1.8 | 6 |
| 206 | Vibrational spectroscopic study of the minerals nekoite Ca3Si6O15Â·7H2O and okenite Ca10Si18O46Â·18H2O â€" Implications for the molecular structure. Journal of Molecular Structure, 2012, 1020, 96-104. | 1.8 | 3 |
| 207 | Orange II adsorption on palygorskites modified with alkyl trimethylammonium and dialkyl dimethylammonium bromide â€" An isothermal and kinetic study. Applied Clay Science, 2011, 51, 370-374. | 2.6 | 79 |
| 208 | Dispersion of zerovalent iron nanoparticles onto bentonites and use of these catalysts for orange II decolourisation. Applied Clay Science, 2011, 53, 716-722. | 2.6 | 46 |
| 209 | The molecular structure of the mineral sarmientite Fe2(AsO4,SO4)2(OH)6Â·5H2O â€" Implications for arsenic accumulation and removal. Journal of Molecular Structure, 2011, 1004, 88-93. | 1.8 | 10 |
| 210 | Molecular structural studies of the amorphous mineral pitticite Fe, AsO4, SO4, H2O. Journal of Molecular Structure, 2011, 1005, 78-82. | 1.8 | 5 |
| 211 | The molecular structure of the multianion mineral hidalgoite PbAl3(AsO4)(SO4)(OH)6 â€" Implications for arsenic removal from soils. Journal of Molecular Structure, 2011, 1005, 214-219. | 1.8 | 11 |
| 212 | Molecular structural studies of the amorphous mineral pitticite Fe, AsO4, SO4, H2O. Journal of Molecular Structure, 2011, 1006, 185-191. | 1.8 | 0 |
| 213 | Structural characterisation of ArquadÂ® 2HT-75 organobentonites: Surface charge characteristics and environmental application. Journal of Hazardous Materials, 2011, 195, 155-161. | 6.5 | 52 |
| 214 | A Raman spectroscopic study of the mono-hydrogen phosphate mineral dorfmanite Na2(PO3OH)Â·2H2O and in comparison with brushite. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 132-136. | 2.0 | 18 |
| 215 | The structure of the mineral leogangite Cu10(OH)6(SO4)(AsO4)4Â·8H2Oâ€"Implications for arsenic accumulation and removal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 221-227. | 2.0 | 12 |
| 216 | Vibrational spectroscopic analysis of the mineral crandallite CaAl3(PO4)2(OH)5Â·(H2O) from the Jenolan Caves, Australia. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 82, 461-466. | 2.0 | 18 |

| # | Article | IF | Citations |
|---|---|---|---|
| 217 | Vibrational spectroscopic analysis of taranakite (K,NH4)Al3(PO4)3(OH)Â·9(H2O) from the Jenolan Caves, Australia. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 106-111. | 2.0 | 11 |
| 218 | Raman spectroscopy of the multi-anion mineral mallestigite Pb3Sb5+(SO4)(AsO4)(OH)6Â·3H2O: A mineral of archaeological significance. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 432-436. | 2.0 | 4 |
| 219 | Vibrational spectroscopy of the multi-anion mineral zykaite Fe4(AsO4)(SO4)(OH)Â·15H2O-implications for arsenate removal. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 444-448. | 2.0 | 9 |
| 220 | Raman spectroscopy of the multi anion mineral arsentsumebite Pb2Cu(AsO4)(SO4)(OH) and in comparison with tsumebite Pb2Cu(PO4)(SO4)(OH). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 83, 449-452. | 2.0 | 8 |
| 221 | Vibrational spectroscopy of synthetic stercorite H(NH4)Na(PO4)Â·4H2Oâ€"A comparison with the natural cave mineral. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2011, 84, 269-274. | 2.0 | 4 |
| 222 | Effect of external high pressures on the clay mineral sodium montmorillonite intercalated with methylated octadecylammonium bromide surfactants. Inorganica Chimica Acta, 2011, 375, 53-56. | 1.2 | 4 |
| 223 | Are the â€˜caveâ€™ minerals archerite (K,NH4)H2PO4 and biphosphammite (K,NH4)H2PO4 identical? A molecular structural study. Journal of Molecular Structure, 2011, 1001, 49-55. | 1.8 | 10 |
| 224 | A vibrational spectroscopic study of the mineral hinsdalite (Pb,Sr)Al3(PO4)(SO4)(OH)6. Journal of Molecular Structure, 2011, 1001, 43-48. | 1.8 | 14 |
| 225 | Molecular structure of the mineral woodhouseite CaAl3(PO4,SO4)2(OH)6. Journal of Molecular Structure, 2011, 1001, 56-61. | 1.8 | 17 |
| 226 | Reduction and adsorption of Pb2+ in aqueous solution by nano-zero-valent ironâ€"A SEM, TEM and XPS study. Materials Research Bulletin, 2010, 45, 1361-1367. | 2.7 | 181 |
| 227 | Synthesis, characterization of palygorskite supported zero-valent iron and its application for methylene blue adsorption. Journal of Colloid and Interface Science, 2010, 341, 153-161. | 5.0 | 179 |
| 228 | Synthesis and characterisation of novel organopalygorskites for removal of p-nitrophenol from aqueous solution: Isothermal studies. Journal of Colloid and Interface Science, 2010, 350, 295-304. | 5.0 | 79 |
| 229 | Remediation of hexavalent chromium through adsorption by bentonite based ArquadÂ® 2HT-75 organoclays. Journal of Hazardous Materials, 2010, 183, 87-97. | 6.5 | 135 |
| 230 | Sorption of quaternary ammonium compounds in soils: Implications to the soil microbial activities. Journal of Hazardous Materials, 2010, 184, 448-456. | 6.5 | 66 |
| 231 | Preparation, characterization of surfactants modified clay minerals and nitrate adsorption. Applied Clay Science, 2010, 48, 92-96. | 2.6 | 196 |
| 232 | Adsorption of the herbicide 2,4-D on organo-palygorskite. Applied Clay Science, 2010, 49, 255-261. | 2.6 | 107 |
| 233 | Speciation of metalâ€"EDTA complexes by flow injection analysis with electrospray ionization mass spectrometry and ion chromatography with inductively coupled plasma mass spectrometry. Journal of Separation Science, 2008, 31, 3796-3802. | 1.3 | 34 |
| 234 | An infrared study of adsorption of para-nitrophenol on mono-, di- and tri-alkyl surfactant intercalated organoclays. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 239-244. | 2.0 | 74 |

| # | Article | IF | Citations |
|---|---|---|---|
| 235 | Application of near infrared spectroscopy for the determination of adsorbed p-nitrophenol on HDTMA organoclayâ€"implications for the removal of organic pollutants from water. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2008, 69, 835-841. | 2.0 | 54 |
| 236 | Changes in the surfaces on DDOAB organoclays adsorbed with paranitrophenolâ€"An XRD, TEM and TG study. Materials Research Bulletin, 2008, 43, 3318-3326. | 2.7 | 6 |
| 237 | Adsorption ofp-Nitrophenol on Mono-, Di-, and Trialkyl Surfactant-Intercalated Organoclays:â€‰ A Comparative Study. Journal of Physical Chemistry C, 2007, 111, 7487-7493. | 1.5 | 27 |
| 238 | Surface characterisation of selected sorbent materials for common hydrocarbon fuels. Surface Science, 2007, 601, 2066-2076. | 0.8 | 106 |
| 239 | Adsorption of hydrocarbons on organo-claysâ€"Implications for oil spill remediation. Journal of Colloid and Interface Science, 2007, 305, 17-24. | 5.0 | 207 |
| 240 | Modification of the surfaces of Wyoming montmorillonite by the cationic surfactants alkyl trimethyl, dialkyl dimethyl, and trialkyl methyl ammonium bromides. Journal of Colloid and Interface Science, 2007, 305, 150-158. | 5.0 | 258 |
| 241 | Changes in the surfaces of adsorbed para-nitrophenol on HDTMA organoclayâ€"The XRD and TG study. Journal of Colloid and Interface Science, 2007, 307, 50-55. | 5.0 | 89 |
| 242 | Adsorbed para-nitrophenol on HDTMAB organoclayâ€"A TEM and infrared spectroscopic study. Journal of Colloid and Interface Science, 2007, 307, 357-363. | 5.0 | 63 |
| 243 | TEM, XRD, and thermal stability of adsorbed paranitrophenol on DDOAB organoclay. Journal of Colloid and Interface Science, 2007, 311, 24-37. | 5.0 | 48 |
| 244 | Thermal stability of octadecyltrimethylammonium bromide modified montmorillonite organoclay. Journal of Colloid and Interface Science, 2007, 311, 347-353. | 5.0 | 105 |
| 245 | Changes in the surfaces of adsorbed p-nitrophenol on methyltrioctadecylammonium bromide organoclayâ€"An XRD, TG, and infrared spectroscopic study. Journal of Colloid and Interface Science, 2007, 314, 405-414. | 5.0 | 31 |
| 246 | Microstructure of HDTMA<SUP>+</SUP>-modified montmorillonite and its influence on sorption characteristics. Clays and Clay Minerals, 2006, 54, 689-696. | 0.6 | 149 |
| 247 | Changes in the morphology of organoclays with HDTMA+ surfactant loading. Applied Clay Science, 2006, 31, 262-271. | 2.6 | 285 |
| 248 | Structural Evolution in a Hydrothermal Reaction between Nb2O5and NaOH Solution:Â From Nb2O5Grains to Microporous Na2Nb2O6Â·2/3H2O Fibers and NaNbO3Cubes. Journal of the American Chemical Society, 2006, 128, 2373-2384. | 6.6 | 182 |
| 249 | Infrared spectroscopy of organoclays synthesized with the surfactant octadecyltrimethylammonium bromide. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2005, 61, 515-525. | 2.0 | 112 |
| 250 | Modification of Wyoming Montmorillonite Surfaces Using a Cationic Surfactant. Langmuir, 2005, 21, 8675-8680. | 1.6 | 251 |
| 251 | Thermal characterization of surfactant-modified montmorillonites. Clays and Clay Minerals, 2005, 53, 287-293. | 0.6 | 187 |
| 252 | Raman spectroscopic study of organo-montmorillonites. Journal of Raman Spectroscopy, 2004, 35, 316-323. | 1.2 | 38 |

| # | Article | IF | Citations |
|---|---|---|---|
| 253 | Structure of organoclaysâ€"an X-ray diffraction and thermogravimetric analysis study. Journal of Colloid and Interface Science, 2004, 277, 116-120. | 5.0 | 303 |
| 254 | Qualitative phase analysis system for crystalline mixtures based on X-ray powder diffraction file. Powder Diffraction, 2004, 19, 340-346. | 0.4 | 1 |