Sara J Palmer

List of Publications by Year in Descending Order

163 papers	3,433 citations	31 h-index	47 g-index
163 ext. papers	3,786 ext. citations	4.8 avg, IF	5.76 L-index

#	Paper	IF	Citations
163	Improvement of aluminium extraction from low-grade kaolinite by iron oxide impurities: Role of clay chemistry and morphology. *Minerals Engineering*, **2022**, 176, 107346	4.9	1
162	Ammoniacal nitrogen removal and reuse: Process engineering design and technoeconomics of zeolite N synthesis. *Journal of Environmental Chemical Engineering*, **2022**, 10, 107942	6.8	
161	Effects of process-thermal configuration on energy, exergy, and thermo-economic performance of solar driven supercritical water gasification. *Energy Conversion and Management*, **2021**, 251, 115002	10.6	2
160	Sustainable ammonium recovery from wastewater: Improved synthesis and performance of zeolite N made from kaolin. *Microporous and Mesoporous Materials*, **2021**, 316, 110918	5.3	4
159	Techno-economic assessment of solar thermal and alternative energy integration in supercritical water gasification of microalgae. *Energy Conversion and Management*, **2021**, 230, 113807	10.6	9
158	High purity alumina synthesised from iron rich clay through a novel and selective hybrid ammonium alum process. *Hydrometallurgy*, **2021**, 204, 105728	4	2
157	Methodology of isotherm generation: Multicomponent K+ and H+ ion exchange with strong acid cation resin. *Separation and Purification Technology*, **2020**, 251, 117360	8.3	10
156	Enhanced removal of Mn (II) from solution by thermally activated Bayer precipitates. *Minerals Engineering*, **2019**, 134, 166-175	4.9	3
155	Experimental and geochemical modelling investigations on the weathering behaviour of bauxite residue: effect of pH. *Journal of Environmental Chemical Engineering*, **2019**, 9, 103509	6.8	0
154	The influence of coal seam water composition upon electrocoagulation performance prior to desalination. *Journal of Environmental Chemical Engineering*, **2018**, 6, 1943-1956	6.8	9
153	Alternative neutralisation materials for acid mine drainage treatment. *Journal of Water Process Engineering*, **2018**, 22, 46-58	6.7	44
152	Influence of operating parameters during electrocoagulation of sodium chloride and sodium bicarbonate solutions using aluminium electrodes. *Journal of Water Process Engineering*, **2018**, 22, 13-26	6.7	21
151	Enhanced removal of high Mn(II) and minor heavy metals from acid mine drainage using tunnelled manganese oxides. *Journal of Environmental Chemical Engineering*, **2018**, 6, 3249-3261	6.8	16
150	Value adding red mud waste: Impact of red mud composition upon fluoride removal performance of synthesised akaganeite sorbents. *Journal of Environmental Chemical Engineering*, **2018**, 6, 2063-2074	6.8	17
149	Re-use of waste red mud: Production of a functional iron oxide adsorbent for removal of phosphorous. *Journal of Water Process Engineering*, **2018**, 25, 138-148	6.7	42
148	Acid Mine Drainage Treatment Using Bayer Precipitates Obtained from Seawater Neutralization of Bayer Liquor. *Global Challenges*, **2018**, 2, 1800061	4.3	2
147	A novel akaganeite sorbent synthesised from waste red mud: Application for treatment of arsenate in aqueous solutions. *Journal of Environmental Chemical Engineering*, **2018**, 6, 6308-6316	6.8	8

146	Comparison of Powdered and PVC-Bound Todorokite Media for Heavy Metal Removal from Acid Mine Drainage Tailings. *Industrial & Engineering Chemistry Research*, **2018**, 57, 14315-14324	3.9	8
145	Performance of bauxite refinery residues for treating acid mine drainage. *Journal of Water Process Engineering*, **2018**, 26, 28-37	6.7	9
144	Investigation of manganese greensand activation by various oxidants. *Journal of Environmental Chemical Engineering*, **2018**, 6, 4130-4143	6.8	7
143	Coal seam water quality and the impact upon management strategies. *Journal of Petroleum Science and Engineering*, **2017**, 150, 323-333	4.4	16
142	Effectiveness of aluminium based coagulants for pre-treatment of coal seam water. *Separation and Purification Technology*, **2017**, 177, 207-222	8.3	20
141	Applicability of iron based coagulants for pre-treatment of coal seam water. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1119-1132	6.8	8
140	Hollow fibre membrane contactors for ammonia recovery: Current status and future developments. *Journal of Environmental Chemical Engineering*, **2017**, 5, 1349-1359	6.8	87
139	Value adding red mud waste: High performance iron oxide adsorbent for removal of fluoride. *Journal of Environmental Chemical Engineering*, **2017**, 5, 2200-2206	6.8	11
138	Determination of an engineering model for exchange kinetics of strong acid cation resin for the ion exchange of sodium chloride & sodium bicarbonate solutions. *Journal of Water Process Engineering*, **2017**, 17, 197-206	6.7	15
137	Activated alumina for the removal of fluoride ions from high alkalinity groundwater: New insights from equilibrium and column studies with multicomponent solutions. *Separation and Purification Technology*, **2017**, 187, 14-24	8.3	47
136	Enhanced water recovery in the coal seam gas industry using a dual reverse osmosis system. *Environmental Science: Water Research and Technology*, **2017**, 3, 278-292	4.2	16
135	Removal of fluoride ions from solution by chelating resin with imino-diacetate functionality. *Journal of Water Process Engineering*, **2017**, 20, 113-122	6.7	18
134	Ferrous poisoning of surface MnO2 during manganese greensand operation. *Journal of Environmental Chemical Engineering*, **2017**, 5, 3033-3043	6.8	10
133	Comparitve analysis of the physical, chemical and structural characteristics and performance of manganese greensands. *Journal of Water Process Engineering*, **2016**, 13, 16-26	6.7	16
132	Understanding coal seam gas associated water, regulations and strategies for treatment. *Journal of Unconventional Oil and Gas Resources*, **2016**, 13, 32-43		18
131	Strategies for the management and treatment of coal seam gas associated water. *Renewable and Sustainable Energy Reviews*, **2016**, 57, 669-691	16.2	65
130	Equilibrium studies of ammonium exchange with Australian natural zeolites. *Journal of Water Process Engineering*, **2016**, 9, 47-57	6.7	44
129	Ion exchange of sodium chloride and sodium bicarbonate solutions using strong acid cation resins in relation to coal seam water treatment. *Journal of Water Process Engineering*, **2016**, 11, 60-67	6.7	28

128	Behaviour of natural zeolites used for the treatment of simulated and actual coal seam gas water. *Journal of Environmental Chemical Engineering*, **2016**, 4, 1918-1928	6.8	31
127	Factors influencing kinetic and equilibrium behaviour of sodium ion exchange with strong acid cation resin. *Separation and Purification Technology*, **2016**, 163, 79-91	8.3	24
126	BDST modelling of sodium ion exchange column behaviour with strong acid cation resin in relation to coal seam water treatment. *Journal of Environmental Chemical Engineering*, **2016**, 4, 2216-2224	6.8	13
125	Comprehensive examination of acid leaching behaviour of mineral phases from red mud: Recovery of Fe, Al, Ti, and Si. *Minerals Engineering*, **2016**, 99, 8-18	4.9	67
124	Ion exchange treatment of saline solutions using Lanxess S108H strong acid cation resin. *Chemical Engineering Journal*, **2015**, 280, 525-535	14.7	41
123	Thermogravimetric analysis of tetradecyltrimethylammonium bromide-modified beidellites. *Journal of Thermal Analysis and Calorimetry*, **2015**, 120, 67-71	4.1	1
122	An examination of isotherm generation: Impact of bottle-point method upon potassium ion exchange with strong acid cation resin. *Separation and Purification Technology*, **2015**, 141, 366-377	8.3	38
121	Equilibrium and column studies of iron exchange with strong acid cation resin. *Journal of Environmental Chemical Engineering*, **2015**, 3, 373-385	6.8	22
120	Evaluation of electrocoagulation for the pre-treatment of coal seam water. *Journal of Water Process Engineering*, **2014**, 4, 166-178	6.7	46
119	Exploration of the fundamental equilibrium behaviour of calcium exchange with weak acid cation resins. *Desalination*, **2014**, 351, 27-36	10.3	31
118	Minimization of Bauxite Residue Neutralization Products Using Nanofiltered Seawater. *Industrial & Engineering Chemistry Research*, **2014**, 53, 3787-3794	3.9	8
117	Effect of strong acids on red mud structural and fluoride adsorption properties. *Journal of Colloid and Interface Science*, **2014**, 423, 158-65	9.3	60
116	A review of the removal of anions and oxyanions of the halogen elements from aqueous solution by layered double hydroxides. *Journal of Colloid and Interface Science*, **2014**, 417, 356-68	9.3	150
115	Vibrational Spectroscopy of Natural Cave Mineral Monetite CaHPO4 and the Synthetic Analog. *Spectroscopy Letters*, **2013**, 46, 54-59	1.1	8
114	Raman spectroscopic study of the hydroxy-phosphate mineral plumbogummite PbAl□(PO□□(OH,H□)□ *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 103, 431-4	4.4	16
113	A Raman spectroscopic study of the basic carbonate mineral callaghanite Cu2Mg2(CO3)(OH)6□2H2O. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2013**, 108, 171-6	4.4	10
112	Adsorption of reactive dye on seawater-neutralised bauxite refinery residue. *Journal of Colloid and Interface Science*, **2013**, 396, 210-4	9.3	27
111	Neutralization of Acid Sulfate Solutions Using Bauxite Refinery Residues and Its Derivatives. *Industrial & Engineering Chemistry Research*, **2013**, 52, 1388-1395	3.9	16

110	Bauxite residue neutralisation precipitate stability in acidic environments. *Environmental Chemistry*, **2013**, 10, 455	3.2	7
109	Vibrational spectroscopic study of the mineral pitticite Fe, AsO4, SO4, H2O. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 85, 173-8	4.4	14
108	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, 209-13	4.4	4
107	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, 93-8	4.4	3
106	Is the mineral borickyite (Ca,Mg)(Fe3+,Al)4(PO4,SO4,CO3)(OH)(8)□3-7.5H2O the same as delvauxite CaFe4(3+)(PO4,SO4)2(OH)(8)□4-6H2O?. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 92, 377-81	4.4	3
105	Identification of montgomeryite mineral [Ca4MgAl4(PO4)6□(OH)4□12H2O] found in the Jenolan Caves-Australia. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 94, 1-5	4.4	5
104	Vibrational spectroscopic study of multianion mineral clinotyrolite Ca□Cu9[(As,S)O□□(OH)10□10(H□). *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2012**, 95, 258-62	4.4	4
103	Vibrational spectroscopy of synthetic archerite (K,NH4) and in comparison with the natural cave mineral. *Journal of Molecular Structure*, **2012**, 1011, 128-133	3.4	6
102	Sulfate intercalated layered double hydroxides prepared by the reformation effect. *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 1123-1128	4.1	32
101	Thermal stability of the □ave□ mineral ardealite Ca2(HPO4)(SO4)□4H2O. *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 549-553	4.1	6
100	Thermal stability of stercorite H(NH4)Na(PO4)□4H2O. *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 901-903	4.1	1
99	Thermal stability of crandallite CaAl3(PO4)2(OH)5□(H2O). *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 905-909	4.1	7
98	Thermal Stability of newberyite Mg(PO3OH)□3H2O. *Journal of Thermal Analysis and Calorimetry*, **2012**, 107, 1143-1146	4.1	12
97	Red Mud from Brazil: Thermal Behavior and Physical Properties. *Industrial & Engineering Chemistry Research*, **2012**, 51, 775-779	3.9	51
96	Vibrational Spectroscopy of the Multianion Mineral Kemmlitzite (Sr,Ce)Al3(AsO4)(SO4)(OH)6. *Spectroscopy Letters*, **2012**, 45, 482-486	1.1	5
95	Zinc aluminium layered double hydroxides for the removal of iodine and iodide from aqueous solutions. *Desalination and Water Treatment*, **2012**, 39, 166-175		24
94	Raman spectroscopy of synthetic CaHPO4□2H2O□and in comparison with the cave mineral brushite. *Journal of Raman Spectroscopy*, **2012**, 43, 571-576	2.3	18
93	The Application of Raman Spectroscopy to the Study of the Uranyl Mineral Coconinoite Fe2Al2(UO2)2(PO4)4(SO4)(OH)2 □20H2O. *Spectroscopy Letters*, **2011**, 44, 381-387	1.1	3

92	The molecular structure of the mineral sarmientite Fe2(AsO4,SO4)2(OH)6·5H2O – Implications for arsenic accumulation and removal. *Journal of Molecular Structure*, **2011**, 1004, 88-93	3.4	10
91	Molecular structural studies of the amorphous mineral pitticite Fe, AsO4, SO4, H2O. *Journal of Molecular Structure*, **2011**, 1005, 78-82	3.4	5
90	The molecular structure of the multianion mineral hidalgoite PbAl3(AsO4)(SO4)(OH)6 – Implications for arsenic removal from soils. *Journal of Molecular Structure*, **2011**, 1005, 214-219	3.4	10
89	Molecular structural studies of the amorphous mineral pitticite Fe, AsO4, SO4, H2O. *Journal of Molecular Structure*, **2011**, 1006, 185-191	3.4	
88	A Raman spectroscopic study of the mono-hydrogen phosphate mineral dorfmanite Na2(PO3OH)·2H2O and in comparison with brushite. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 82, 132-6	4.4	16
87	The structure of the mineral leogangite Cu10(OH)6(SO4)(AsO4)4·8H2O--implications for arsenic accumulation and removal. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 82, 221-7	4.4	12
86	Vibrational spectroscopic analysis of the mineral crandallite CaAl3(PO4)2(OH)5(H2O) from the Jenolan Caves, Australia. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 82, 461-6	4.4	13
85	Vibrational spectroscopic analysis of taranakite (K,NH4)Al3(PO4)3(OH)·9(H2O) from the Jenolan Caves, Australia. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 83, 106-11	4.4	10
84	Raman spectroscopy of the multi-anion mineral mallestigite Pb3Sb(5+)(SO4)(AsO4)(OH)6·3H2O: a mineral of archaeological significance. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 83, 432-6	4.4	4
83	Vibrational spectroscopy of the multi-anion mineral zykaite Fe4(AsO4)(SO4)(OH)·15H2O-implications for arsenate removal. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 83, 444-8	4.4	8
82	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, 449-52	4.4	6
81	Vibrational spectroscopy of synthetic stercorite H(NH4)Na(PO4)·4H2O--a comparison with the natural cave mineral. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 84, 269-74	4.4	3
80	Thermal analysis of hydrotalcite synthesised from aluminate solutions. *Journal of Thermal Analysis and Calorimetry*, **2011**, 103, 473-478	4.1	13
79	The molecular structure of the mineral beudantite PbFe3(AsO4,SO4)2(OH)6 – Implications for arsenic accumulation and removal. *Journal of Molecular Structure*, **2011**, 988, 52-58	3.4	28
78	The structure of the mineral arthurite (AsO4,PO4,SO4)2(O,OH)2·4H2O – A Raman spectroscopic study. *Journal of Molecular Structure*, **2011**, 994, 283-288	3.4	9
77	Are the "cave" minerals archerite (K,NH4)H2PO4 and biphosphammite (K,NH4)H2PO4 identical? A molecular structural study. *Journal of Molecular Structure*, **2011**, 1001, 49-55	3.4	10
76	Synthesis and vibrational spectroscopy of halotrichite and bilinite. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 69-73	4.4	4
75	Raman spectroscopy of newberyite Mg(PO3OH)·3H2O: a cave mineral. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 1149-53	4.4	32

74	Dussertite BaFe3+3(AsO4)2(OH)5 Raman spectroscopic study of a hydroxy-arsenate mineral. *Journal of Raman Spectroscopy*, **2011**, 42, 56-61	2.3	27
73	Raman spectroscopy of hydrogen-arsenate group (AsO3OH) in solid-state compounds: cobalt mineral phase burgessite Co2(H2O)4[AsO3OH]2 H2O. *Journal of Raman Spectroscopy*, **2011**, 42, 214-218	2.3	14
72	Effect of pH on the uptake of arsenate and vanadate by hydrotalcites in alkaline solutions: a Raman spectroscopic study. *Journal of Raman Spectroscopy*, **2011**, 42, 224-229	2.3	28
71	A Raman spectroscopic study of M2+M3+ sulfate minerals, rozenite Fe2+Fe23+ (SO4)4 14H2O and botryogen Mg2+Fe3+ (SO4)2(OH) 7H2O. *Journal of Raman Spectroscopy*, **2011**, 42, 825-830	2.3	10
70	A Raman and infrared spectroscopic study of Ca2+ dominant members of the mixite group from the Czech Republic. *Journal of Raman Spectroscopy*, **2011**, 42, 1154-1159	2.3	12
69	Raman spectroscopic study of the uranyl titanate mineral euxenite (Y,Ca,U,Ce,Th) (Nb,Ta,Ti)2O6. *Journal of Raman Spectroscopy*, **2011**, 42, 1160-1162	2.3	8
68	Synthesis and Raman spectroscopic characterisation of hydrotalcites based on the formula Ca6Al2(CO3)(OH)16 4H2O. *Journal of Raman Spectroscopy*, **2011**, 42, 1163-1167	2.3	26
67	Raman spectroscopy of gallium- and zinc-based hydrotalcites. *Journal of Raman Spectroscopy*, **2011**, 42, 1168-1173	2.3	9
66	A Raman spectroscopic study of the Cave mineral ardealite Ca2(HPO4)(SO4) 4H2O. *Journal of Raman Spectroscopy*, **2011**, 42, 1447-1454	2.3	5
65	Raman spectroscopic study of the minerals diadochite and destinezite Fe3+2(PO4,SO4)2(OH) 6H2O: implications for soil science. *Journal of Raman Spectroscopy*, **2011**, 42, 1589-1595	2.3	8
64	A Raman spectroscopic study of bukovskyite Fe2(AsO4)(SO4)(OH) 7H2O, a mineral phase with a significant role in arsenic migration. *Journal of Raman Spectroscopy*, **2011**, 42, 1596-1600	2.3	5
63	A Raman spectroscopic study of the different vanadate groups in solid-state compounds: model case: mineral phases vésigniéite [BaCu3(VO4)2(OH)2] and volborthite [Cu3V2O7(OH)2 2H2O]. *Journal of Raman Spectroscopy*, **2011**, 42, 1701-1710	2.3	45
62	Raman spectrum of decrespignyite [(Y,REE)4Cu(CO3)4Cl(OH)5 2H2O] and its relation with those of other halogenated carbonates including bastnasite, hydroxybastnasite, parisite and northupite. *Journal of Raman Spectroscopy*, **2011**, 42, 2042-2048	2.3	10
61	Characterization of Bayer Hydrotalcites Formed from Bauxite Refinery Residue Liquor. *Industrial & Engineering Chemistry Research*, **2011**, 50, 5346-5351	3.9	17
60	Effect of High Concentrations of Calcium Hydroxide in Neutralized Synthetic Supernatant Liquor Implications for Alumina Refinery Residues. *Industrial & Engineering Chemistry Research*, **2011**, 50, 1853-1859	3.9	2
59	A vibrational spectroscopic study of the mineral corkite . *Journal of Molecular Structure*, **2011**, 988, 47-51	3.4	19
58	Molecular structure of the mineral svanbergite SrAl3(PO4,SO4)2(OH)6 A vibrational spectroscopic study. *Journal of Molecular Structure*, **2011**, 994, 232-237	3.4	4
57	A vibrational spectroscopic study of the mineral hinsdalite (Pb,Sr)Al3(PO4)(SO4)(OH)6. *Journal of Molecular Structure*, **2011**, 1001, 43-48	3.4	12

56	Molecular structure of the mineral woodhouseite CaAl3(PO4,SO4)2(OH)6. *Journal of Molecular Structure*, **2011**, 1001, 56-61	3.4	16
55	The effect of high concentrations of calcium hydroxide in neutralised synthetic supernatant liquor□mplications for alumina refinery residues. *Journal of Industrial and Engineering Chemistry*, **2011**, 17, 56-61	6.3	10
54	Minimising reversion, using seawater and magnesium chloride, caused by the dissolution of tricalcium aluminate hexahydrate. *Journal of Colloid and Interface Science*, **2011**, 353, 398-405	9.3	10
53	Raman spectroscopic study of pascoite Ca3V10O(28)□17H2O. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 248-52	4.4	22
52	Structure of selected basic zinc/copper (II) phosphate minerals based upon near-infrared spectroscopy--implications for hydrogen bonding. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 996-1003	4.4	19
51	A Raman and infrared spectroscopic study of the mineral delvauxite CaFe4(3+)(PO4,SO4)2(OH)8□4-6H2O--a 'colloidal' mineral. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 1250-4	4.4	21
50	Infrared and infrared emission spectroscopy of nesquehonite Mg(OH)(HCO3)□2H2O-implications for the formula of nesquehonite. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 1255-60	4.4	87
49	A near-infrared and Raman spectroscopic study of the mineral richelsdorfite Ca2Cu5Sb[Cl|(OH)6|(AsO4)4]□6H2O. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 1302-4	4.4	16
48	Molecular structure of Mg-Al, Mn-Al and Zn-Al halotrichites-type double sulfates--an infrared spectroscopic study. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 78, 1633-9	4.4	4
47	The synthesis and spectroscopic characterisation of hydrotalcite formed from aluminate solutions. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 156-60	4.4	12
46	A vibrational spectroscopic study of the mixed anion mineral sanjuanite Al2(PO4)(SO4)(OH)□9H2O. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 1210-4	4.4	19
45	Raman spectroscopy of stercorite H(NH4)Na(PO4)□4H2O--a cave mineral from Petrogale Cave, Madura, Eucla, Western Australia. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 1215-9	4.4	18
44	A vibrational spectroscopic study of hydrated Fe(3+) hydroxyl-sulfates; polymorphic minerals butlerite and parabutlerite. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 1356-63	4.4	23
43	Vibrational spectroscopic study of the mineral tsumebite Pb2Cu(PO4,SO4)(OH). *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2011**, 79, 1794-7	4.4	16
42	Thermal stability of the □ave□mineral brushite CaHPO4□2H2O □Mechanism of formation and decomposition. *Thermochimica Acta*, **2011**, 521, 14-17	2.9	34
41	Thermal stability of the soil minerals destinezite and diadochite Fe3+2(PO4)(SO4)(OH)□6H2O □ Implications for soils in bush fires. *Thermochimica Acta*, **2011**, 521, 121-124	2.9	1
40	Use of Hydrotalcites for the Removal of Toxic Anions from Aqueous Solutions. *Industrial & Engineering Chemistry Research*, **2010**, 49, 8969-8976	3.9	39
39	Thermal decomposition of Bayer precipitates formed at varying temperatures. *Journal of Thermal Analysis and Calorimetry*, **2010**, 100, 27-32	4.1	16

38	Thermal analysis of synthetic reevesite and cobalt substituted reevesite (Ni,Co)6Fe2(OH)16(CO3) 4H2O. *Journal of Thermal Analysis and Calorimetry*, **2010**, 100, 125-131	4.1	12
37	Dynamic and controlled rate thermal analysis of halotrichite. *Journal of Thermal Analysis and Calorimetry*, **2010**, 99, 501-507	4.1	11
36	Synthesis and thermal stability of hydrotalcites containing manganese. *Journal of Thermal Analysis and Calorimetry*, **2010**, 100, 981-985	4.1	14
35	Thermoanalytical studies of silver and lead jarosites and their solid solutions. *Journal of Thermal Analysis and Calorimetry*, **2010**, 101, 73-79	4.1	8
34	Synthesis and thermal analysis of indium-based hydrotalcites of formula Mg6In2(CO3)(OH)16 4H2O. *Journal of Thermal Analysis and Calorimetry*, **2010**, 101, 859-863	4.1	14
33	Synthesis and thermal stability of hydrotalcites based upon gallium. *Journal of Thermal Analysis and Calorimetry*, **2010**, 101, 195-198	4.1	17
32	Thermoanalytical studies of natural potassium, sodium and ammonium alunites. *Journal of Thermal Analysis and Calorimetry*, **2010**, 100, 961-966	4.1	11
31	Raman spectroscopic study of synthetic reevesite and cobalt substituted reevesite (Ni,Co)6Fe2(OH)16(CO3) 4H2O. *Journal of Raman Spectroscopy*, **2010**, 41, 78-83	2.3	25
30	Raman spectroscopic study of the uranyl carbonate mineral jkaite and its comparison with synthetic trigonal Na4[UO2(CO3)3]. *Journal of Raman Spectroscopy*, **2010**, 41, 459-464	2.3	13
29	Raman spectroscopy of the basic copper arsenate mineral: euchroite. *Journal of Raman Spectroscopy*, **2010**, 41, 571-575	2.3	22
28	Raman and infrared study of phyllosilicates containing heavy metals (Sb, Bi): bismutoferrite and chapmanite. *Journal of Raman Spectroscopy*, **2010**, 41, 814-819	2.3	28
27	Raman spectroscopic study of the hydrogen-arsenate mineral pharmacolite Ca(AsO3OH) 2H2O mplications for aquifer and sediment remediation. *Journal of Raman Spectroscopy*, **2010**, 41, 1348-1352	2.3	15
26	Synthesis and Raman spectroscopy of indium-based hydrotalcites of formula Mg6In2(CO3)(OH)16 4H2O. *Journal of Raman Spectroscopy*, **2010**, 41, 1797-1802	2.3	10
25	Raman spectroscopic study of the hydroxy-arsenate-sulfate mineral chalcophyllite Cu18Al2(AsO4)4(SO4)3(OH)24 36H2O. *Journal of Raman Spectroscopy*, **2010**, 41, 1769-1774	2.3	4
24	Thermally activated seawater neutralised red mud used for the removal of arsenate, vanadate and molybdate from aqueous solutions. *Journal of Colloid and Interface Science*, **2010**, 342, 147-54	9.3	36
23	Thermo-Raman spectroscopy of selected layered double hydroxides of formula Cu6Al2(OH)16CO3 and Zn6Al2(OH)16CO3. *Journal of Raman Spectroscopy*, **2009**, 40, 645-649	2.3	26
22	Synthesis and Raman spectroscopic study of Mg/Al,Fe hydrotalcites with variable cationic ratios. *Journal of Raman Spectroscopy*, **2009**, 40, 1138-1143	2.3	21
21	Raman microscopy of the mixite mineral BiCu6(AsO4)3(OH)6 3H2O from the Czech Republic. *Journal of Raman Spectroscopy*, **2009**, 41, 566-570	2.3	28

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18	Thermal decomposition of hydrotalcites with variable cationic ratios. *Journal of Thermal Analysis and Calorimetry*, **2009**, 95, 123-129	4.1	65
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