

Wayde Martens

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

200
papers

8,762
citations

45
h-index

84
g-index

204
ext. papers

9,480
ext. citations

4.2
avg, IF

6.04
L-index

#	Paper	IF	Citations
200	Improvement of aluminium extraction from low-grade kaolinite by iron oxide impurities: Role of clay chemistry and morphology. <i>Minerals Engineering</i> , 2022 , 176, 107346	4.9	1
199	Towards the environmentally friendly solution processing of metal halide perovskite technology. <i>Green Chemistry</i> , 2021 , 23, 5302-5336	10	10
198	High purity alumina synthesised from iron rich clay through a novel and selective hybrid ammonium alum process. <i>Hydrometallurgy</i> , 2021 , 204, 105728	4	2
197	Improved dark ambient degradation of organic pollutants by cerium strontium cobalt perovskite. <i>Journal of Environmental Sciences</i> , 2020 , 90, 110-118	6.4	7
196	Experimental and numerical investigation of the toughening mechanisms in bioinspired composites prepared by freeze casting. <i>Composites Science and Technology</i> , 2019 , 182, 107768	8.6	8
195	Ceramic metal oxides with Ni ²⁺ active phase for the fast degradation of Orange II dye under dark ambiance. <i>Ceramics International</i> , 2018 , 44, 6634-6640	5.1	17
194	Degradation of azo dye Orange II under dark ambient conditions by calcium strontium copper perovskite. <i>Applied Catalysis B: Environmental</i> , 2018 , 221, 691-700	21.8	59
193	Visible light-driven selective hydrogenation of unsaturated aromatics in an aqueous solution by direct photocatalysis of Au nanoparticles. <i>Catalysis Science and Technology</i> , 2018 , 8, 726-734	5.5	14
192	Effective degradation of azo dyes in the dark by Cu ²⁺ active sites in CaSrNiCu oxides. <i>Journal of Environmental Chemical Engineering</i> , 2018 , 6, 5870-5878	6.8	5
191	Metal Nanoparticle Photocatalysts: Synthesis, Characterization, and Application. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700489	3.1	31
190	Degradation of orange II dye under dark ambient conditions by MeSrCuO (Me = Mg and Ce) metal oxides. <i>Separation and Purification Technology</i> , 2018 , 205, 293-301	8.3	21
189	Surface and catalytic properties of stable Me(Ba, Ca and Mg)SrCoO for the degradation of orange II dye under dark conditions. <i>Applied Surface Science</i> , 2018 , 450, 292-300	6.7	16
188	Computational prediction and experimental confirmation of rhombohedral structures in Bi _{1.5} CdM _{1.5} O ₇ (M = Nb, Ta) pyrochlores. <i>RSC Advances</i> , 2017 , 7, 15632-15643	3.7	7
187	Guanidinium thiocyanate selective Ostwald ripening induced large grain for high performance perovskite solar cells. <i>Nano Energy</i> , 2017 , 41, 476-487	17.1	124
186	Highly porous nitrogen-doped seaweed carbon for high-performance lithium-sulfur batteries. <i>Journal of Materials Science</i> , 2017 , 52, 12336-12347	4.3	36
185	Remediation of Cr (VI) by inorganic-organic clay. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 163-173	9.3	34
184	Mixed Matrix Carbon Molecular Sieve and Alumina (CMS-Al ₂ O ₃) Membranes. <i>Scientific Reports</i> , 2016 , 6, 30703	4.9	26

183	Development of a hybrid pollution index for heavy metals in marine and estuarine sediments. <i>Environmental Monitoring and Assessment</i> , 2015 , 187, 306	3.1	146
182	Microporous bamboo biochar for lithium-sulfur batteries. <i>Nano Research</i> , 2015 , 8, 129-139	10	238
181	Synthesis, Characterization, and Electronic Structure Studies of Cubic Bi _{1.5} ZnTa _{1.5} O ₇ for Photocatalytic Applications. <i>International Journal of Photoenergy</i> , 2015 , 2015, 1-8	2.1	
180	Electronic Structure Studies and Photocatalytic Properties of Cubic Bi _{1.5} ZnNb _{1.5} O ₇ . <i>International Journal of Photoenergy</i> , 2015 , 2015, 1-11	2.1	0
179	Weak acid extractable metals in Bramble Bay, Queensland, Australia: temporal behaviour, enrichment and source apportionment. <i>Marine Pollution Bulletin</i> , 2015 , 91, 380-8	6.7	13
178	Enrichment, distribution and sources of heavy metals in the sediments of Deception Bay, Queensland, Australia. <i>Marine Pollution Bulletin</i> , 2014 , 81, 248-55	6.7	80
177	SnO ₂ decorated graphene nanocomposite anode materials prepared via an up-scalable wet-mechanochemical process for sodium ion batteries. <i>RSC Advances</i> , 2014 , 4, 50148-50152	3.7	42
176	Fabrication of macro-mesoporous titania/alumina core-shell materials in oil/water interface. <i>Journal of Colloid and Interface Science</i> , 2014 , 436, 194-203	9.3	1
175	Location of hydrogen atoms in hydronium jarosite. <i>Physics and Chemistry of Minerals</i> , 2014 , 41, 505-517	1.6	4
174	Synthesis and characterization of titanium sol-gels in varied gravity. <i>Journal of Non-Crystalline Solids</i> , 2014 , 396-397, 13-19	3.9	3
173	Directional synthesis of tin oxide@graphene nanocomposites via a one-step up-scalable wet-mechanochemical route for lithium ion batteries. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 10211-10217	13	50
172	Sol-Gel Synthesis and Characterization of Cubic Bismuth Zinc Niobium Oxide Nanopowders. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-6	3.2	8
171	Temporal trends and bioavailability assessment of heavy metals in the sediments of Deception Bay, Queensland, Australia. <i>Marine Pollution Bulletin</i> , 2014 , 89, 464-472	6.7	39
170	The thermal decomposition of hydronium jarosite and ammoniojarosite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 101-109	4.1	15
169	Rapid Determination of Carbon, Nitrogen, Silicon, Phosphorus, and Potassium in Sugar Mill By-products, Mill Mud, and Ash using Near Infrared Spectroscopy. <i>Communications in Soil Science and Plant Analysis</i> , 2013 , 44, 1156-1166	1.5	3
168	Review article. The crystal structure and vibrational spectroscopy of jarosite and alunite minerals. <i>American Mineralogist</i> , 2013 , 98, 1633-1643	2.9	15
167	Optimal catalyst thickness in titanium dioxide fixed film reactors: Mathematical modelling and experimental validation. <i>Chemical Engineering Journal</i> , 2013 , 234, 57-65	14.7	25
166	Free-standing and bendable carbon nanotubes/TiO ₂ nanofibres composite electrodes for flexible lithium ion batteries. <i>Electrochimica Acta</i> , 2013 , 104, 41-47	6.7	57

165	Sulfated fibrous ZrO ₂ /Al ₂ O ₃ core and shell nanocomposites: A novel strong acid catalyst with hierarchically mesoporous nanostructure. <i>Journal of Molecular Catalysis A</i> , 2012 , 353-354, 95-105		18
164	Immobilised anatase on clay mineral particles as a photocatalyst for herbicides degradation. <i>Applied Clay Science</i> , 2012 , 57, 49-54	5.2	36
163	Fabrication of Macro-Mesoporous Zirconia-Alumina Materials with a One-Dimensional Hierarchical Structure. <i>Crystal Growth and Design</i> , 2012 , 12, 1402-1410	3.5	11
162	Decoration of titania nanofibres with anatase nanoparticles as efficient photocatalysts for decomposing pesticides and phenols. <i>Journal of Colloid and Interface Science</i> , 2012 , 386, 66-72	9.3	9
161	Development of near Infrared Spectroscopic Methods for Monitoring Major Nutrient Elements in Sugar Mill Byproducts. <i>NIR News</i> , 2012 , 23, 10-12	0.8	1
160	Application of infrared emission spectroscopy to the thermal transition of indium hydroxide to indium oxide nanocubes. <i>Applied Spectroscopy</i> , 2011 , 65, 113-8	3.1	9
159	Investigation of phenol degradation: True reaction kinetics on fixed film titanium dioxide photocatalyst. <i>Applied Catalysis A: General</i> , 2011 , 404, 155-163	5.1	33
158	Advances in Heterogeneous Photocatalytic Degradation of Phenols and Dyes in Wastewater: A Review. <i>Water, Air, and Soil Pollution</i> , 2011 , 215, 3-29	2.6	269
157	The molecular structure of the mineral beudantite PbFe ₃ (AsO ₄ ,SO ₄) ₂ (OH) ₆ ¶ Implications for arsenic accumulation and removal. <i>Journal of Molecular Structure</i> , 2011 , 988, 52-58	3.4	28
156	Transition of chromium oxyhydroxide nanomaterials to chromium oxide: a hot-stage Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 1142-1146	2.3	27
155	Transition of synthetic chromium oxide gel to crystalline chromium oxide: a hot-stage Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2011 , 42, 1069-1074	2.3	16
154	Organosilane grafted acid-activated beidellite clay for the removal of non-ionic alachlor and anionic imazaquin. <i>Applied Surface Science</i> , 2011 , 257, 5552-5558	6.7	28
153	Sodium niobate adsorbents doped with tantalum (TaV) for the removal of bivalent radioactive ions in waste waters. <i>Journal of Colloid and Interface Science</i> , 2011 , 356, 240-7	9.3	3
152	Surface modification of alumina nanofibres for the selective adsorption of alachlor and imazaquin herbicides. <i>Journal of Colloid and Interface Science</i> , 2011 , 360, 132-8	9.3	32
151	Synthesis and Characterization of Cobalt Hydroxide, Cobalt Oxyhydroxide, and Cobalt Oxide Nanodiscs. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 111-119	3.8	1034
150	Size-controllable synthesis of chromium oxyhydroxide nanomaterials using a soft chemical hydrothermal route. <i>Journal of Materials Science</i> , 2010 , 45, 6574-6585	4.3	19
149	Thermogravimetric analysis and hot-stage Raman spectroscopy of cubic indium hydroxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010 , 100, 109-116	4.1	25
148	Smectite flocculation structure modified by Al ¹³ macro-molecules--as revealed by the transmission X-ray microscopy (TXM). <i>Journal of Colloid and Interface Science</i> , 2010 , 345, 34-40	9.3	5

- 147 Heterogeneous photocatalytic degradation of phenols in wastewater: A review on current status and developments. *Desalination*, **2010**, 261, 3-18 10.3 567
- 146 Near infrared and mid infrared investigations of adsorbed phenol on HDTMAB organoclays. *Materials Chemistry and Physics*, **2009**, 113, 707-713 4.4 38
- 145 Thermo-Raman spectroscopy of selected layered double hydroxides of formula $\text{Cu}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3$ and $\text{Zn}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3$. *Journal of Raman Spectroscopy*, **2009**, 40, 645-649 2.3 26
- 144 Thermal decomposition of the layered double hydroxides of formula $\text{Cu}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3$ and $\text{Zn}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3$. *Journal of Thermal Analysis and Calorimetry*, **2009**, 96, 481-485 4.1 23
- 143 Thermogravimetric analysis of selected group (II) carbonate minerals – Implication for the geosequestration of greenhouse gases. *Journal of Thermal Analysis and Calorimetry*, **2009**, 95, 999-1005 4.1 61
- 142 Absorption of the selenite anion from aqueous solutions by thermally activated layered double hydroxide. *Water Research*, **2009**, 43, 1323-9 12.5 56
- 141 Size and Morphology Control of Gallium Oxide Hydroxide $\text{GaO}(\text{OH})$, Nano- to Micro-Sized Particles by Soft-Chemistry Route without Surfactant. *Journal of Physical Chemistry C*, **2008**, 112, 3568-3579 3.8 68
- 140 Transmission X-ray microscopy (TXM) reveals the nanostructure of a smectite gel. *Langmuir*, **2008**, 24, 8954-8 4 34
- 139 Thermal stability of synthetic aurichalcite implications for making mixed metal oxides for use as catalysts. *Journal of Thermal Analysis and Calorimetry*, **2008**, 94, 203-208 4.1 27
- 138 Thermal analysis of beaverite in comparison with plumbojarosite. *Journal of Thermal Analysis and Calorimetry*, **2008**, 92, 887-892 4.1 16
- 137 Dynamic and controlled rate thermal analysis of hydrozincite and smithsonite. *Journal of Thermal Analysis and Calorimetry*, **2008**, 92, 911-916 4.1 36
- 136 Thermogravimetric analysis of wheatleyite $\text{Na}_2\text{Cu}_2+(\text{C}_2\text{O}_4)_2 \cdot 2\text{H}_2\text{O}$. *Journal of Thermal Analysis and Calorimetry*, **2008**, 93, 993-997 4.1 15
- 135 Synthesis and Raman spectroscopic characterisation of the oxalate mineral wheatleyite $\text{Na}_2\text{Cu}_2+(\text{C}_2\text{O}_4)_2 \cdot 2\text{H}_2\text{O}$. *Journal of Raman Spectroscopy*, **2008**, 39, 901-908 2.3 56
- 134 Thermo-Raman spectroscopy of synthetic nesquehonite – Implication for the geosequestration of greenhouse gases. *Journal of Raman Spectroscopy*, **2008**, 39, 1141-1149 2.3 64
- 133 Synthesis, characterization of mono, di and tri alkyl surfactant intercalated Wyoming montmorillonite for the removal of phenol from aqueous systems. *Journal of Colloid and Interface Science*, **2008**, 327, 287-94 9.3 36
- 132 Infrared and infrared emission spectroscopy of the zinc carbonate mineral smithsonite. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 70, 1120-6 4.4 33
- 131 Thermal decomposition studies of the polyhedral oligomeric silsesquioxane, POSSh, and when it is impregnated with the metallocene bis(eta⁵-cyclopentadienyl)zirconium (IV) dichloride or immobilized on silica. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2008**, 71, 45-52 4.4 5
- 130 Mechanism for decomposition of aurichalcite – a controlled rate thermal analysis study. *Thermochimica Acta*, **2008**, 468, 81-86 2.9 14

129	Thermal stability of artinite, dypingite and brugnatelliteImplications for the geosequestration of green house gases. <i>Thermochimica Acta</i> , 2008 , 475, 39-43	2.9	42
128	A mesoporous structure for efficient photocatalysts: Anatase nanocrystals attached to leached clay layers. <i>Microporous and Mesoporous Materials</i> , 2008 , 112, 32-44	5.3	24
127	Gallium-Doped Boehmite Nanotubes and Nanoribbons. A TEM, EDX, XRD, BET, and TG Study. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 5313-5324	3.8	29
126	Synthesis, characterization, and surface properties of iron-doped boehmite nanofibers. <i>Langmuir</i> , 2007 , 23, 2110-6	4	31
125	Synthesis and Characterization of Gallium Oxide Nanostructures via a Soft-Chemistry Route. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 16290-16299	3.8	42
124	Raman spectroscopy of the borosilicate mineral ferroaxinite. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 135-141	2.3	56
123	Raman spectroscopy of uranopilite of different originsImplications for molecular structure. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 398-409	2.3	52
122	Natural halotrichitesAn EDX and Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 1429-1435	2.3	42
121	Thermal analysis of halotrichites. <i>Thermochimica Acta</i> , 2007 , 459, 64-72	2.9	7
120	Thermal decomposition and X-ray diffraction of sulphate efflorescent minerals from El Jaroso Ravine, Sierra Almagrera, Spain. <i>Thermochimica Acta</i> , 2007 , 460, 9-14	2.9	9
119	Spectroscopic characterization of Mn-rich tourmalines. <i>Vibrational Spectroscopy</i> , 2007 , 44, 42-49	2.1	39
118	The molecular structure of selected minerals of the rosasite group [An XRD, SEM and infrared spectroscopic study. <i>Polyhedron</i> , 2007 , 26, 275-283	2.7	24
117	Structure and conductivity of multi-walled carbon nanotube/poly(3-hexylthiophene) composite films. <i>Polymer</i> , 2007 , 48, 1667-1678	3.9	108
116	A Raman spectroscopic study of synthetic giniite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 66, 42-7	4.4	7
115	Vibrational spectroscopy of selected minerals of the rosasite group. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 66, 1068-74	4.4	38
114	Identification of the rosasite group minerals--an application of near infrared spectroscopy. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 66, 1075-81	4.4	41
113	Raman spectroscopic study of the molecular structure of the uranyl mineral zippeite from Jbhmov (Joachimsthal), Czech Republic. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1220-7	4.4	5
112	Using thermally activated hydrotalcite for the uptake of phosphate from aqueous media. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 95-99	4.1	29

111	Thermal decomposition of the composite hydrotalcites of iowaite and woodallite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 89, 511-519	4.1	22
110	Thermal decomposition and electron microscopy studies of single-walled carbon nanotubes. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 88, 885-891	4.1	43
109	XRD, TEM and thermal analysis of Fe doped boehmite nanofibres and nanosheets. <i>Journal of Thermal Analysis and Calorimetry</i> , 2007 , 90, 755-760	4.1	21
108	Growth and surface properties of boehmite nanofibers and nanotubes at low temperatures using a hydrothermal synthesis route. <i>Langmuir</i> , 2007 , 23, 9850-9	4	39
107	X-ray diffraction and Raman spectroscopic studies of Zn-substituted carboydite-like compounds. <i>Materials Chemistry and Physics</i> , 2006 , 100, 174-186	4.4	14
106	Molecular structure of the uranyl silicates – Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 538-551	2.3	87
105	Raman spectroscopy of three polymorphs of BiVO ₄ : clinobisvanite, dreyerite and pucherite, with comparisons to (VO ₄) ₃ -bearing minerals: namibite, pottsite and schumacherite. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 722-732	2.3	225
104	Raman spectroscopy of hydrotalcites with phosphate in the interlayer: implications for the removal of phosphate from water. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 733-741	2.3	86
103	A Raman spectroscopic study of the uranyl phosphate mineral paronsite. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 879-891	2.3	57
102	An XRD, SEM and TG study of a uranopilite from Australia. <i>Mineralogical Magazine</i> , 2006 , 70, 299-307	1.7	4
101	The hydroxylated nickel carbonates otwayite and paraotwayite a SEM, EDX and vibrational spectroscopic study. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2006 , 183, 107-116	1	7
100	Microstructure of HDTMA ⁺ -modified montmorillonite and its influence on sorption characteristics. <i>Clays and Clay Minerals</i> , 2006 , 54, 689-696	2.1	132
99	Polymer nanocomposites based on P3OT, TPU and SWNT: preparation and characterization 2006 ,		1
98	Characterization of Intercalated Ni/Al Hydrotalcites Prepared by the Partial Decomposition of Urea. <i>Crystal Growth and Design</i> , 2006 , 6, 1533-1536	3.5	46
97	Nondestructive identification of arsenic and cobalt minerals from Cobalt city, Ontario, Canada: arsenolite, erythrite, and spherocobaltite on parammelsbergite. <i>Applied Spectroscopy</i> , 2006 , 60, 1293-6	3.1	7
96	Ultraviolet-Visible, near Infrared and Mid Infrared Reflectance Spectroscopy of Turquoise. <i>Journal of Near Infrared Spectroscopy</i> , 2006 , 14, 241-250	1.5	19
95	Sulphate Efflorescent Minerals from the El Jaroso Ravine, Sierra Almagrera, Spain – Scanning Electron Microscopic and Infrared Spectroscopic Study. <i>Journal of Near Infrared Spectroscopy</i> , 2006 , 14, 167-178	1.5	11
94	Near- and Mid Infrared Spectroscopy of the Lithium-Bearing Amphibole Holmquistite from Barraute, Canada. <i>Journal of Near Infrared Spectroscopy</i> , 2006 , 14, 209-212	1.5	2

93	Raman spectroscopy study of selected uranophanes. <i>Journal of Molecular Structure</i> , 2006 , 788, 115-125	3.4	17
92	The molecular structure of the phosphate mineral turquoise— Raman spectroscopic study. <i>Journal of Molecular Structure</i> , 2006 , 788, 224-231	3.4	21
91	A Raman spectroscopic study of selected natural jarosites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 1-8	4.4	51
90	Using Raman spectroscopy to identify mixite minerals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 60-5	4.4	9
89	ThermoRaman spectroscopic study of kintoreite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 282-8	4.4	8
88	A Raman and infrared spectroscopic study of the uranyl silicates—weeksite, soddyite and haiweeite: part 2. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 305-12	4.4	13
87	Raman microscopy of synthetic goudeyite (YCu ₆ (AsO ₄) ₂ (OH) ₆ x 3H ₂ O). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 685-9	4.4	9
86	A Raman and infrared spectroscopic study of the uranyl silicates—weeksite, soddyite and haiweeite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 64, 308-15	4.4	15
85	Electron paramagnetic resonance, optical absorption and IR spectroscopic studies of the sulphate mineral apjohnite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 65, 1227-33	4.4	8
84	A Raman spectroscopic study of alunites. <i>Journal of Molecular Structure</i> , 2006 , 785, 123-132	3.4	35
83	A thermogravimetric study of the alunites of sodium, potassium and ammonium. <i>Thermochimica Acta</i> , 2006 , 443, 56-61	2.9	37
82	The structure of phurcalite— vibrational spectroscopic study. <i>Vibrational Spectroscopy</i> , 2006 , 41, 205-212	2.1	8
81	Structural evolution in a hydrothermal reaction between Nb ₂ O ₅ and NaOH solution: from Nb ₂ O ₅ grains to microporous Na ₂ Nb ₂ O ₆ .2/3H ₂ O fibers and NaNbO ₃ cubes. <i>Journal of the American Chemical Society</i> , 2006 , 128, 2373-84	16.4	166
80	Low temperature synthesis and characterisation of lecontite, (NH ₄)Na(SO ₄) ₂ H ₂ O. <i>Journal of Materials Science</i> , 2006 , 41, 3535-3539	4.3	5
79	Thermal decomposition of hydronium jarosite (H ₃ O)Fe ₃ (SO ₄) ₂ (OH) ₆ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 83, 213-218	4.1	41
78	Thermal decomposition of hydrotalcite with hexacyanoferrate(II) and hexacyanoferrate(III) anions in the interlayer. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 205-209	4.1	16
77	Thermal decomposition of ammonium jarosite (NH ₄)Fe ₃ (SO ₄) ₂ (OH) ₆ . <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 84, 489-496	4.1	50
76	Thermal decomposition of the synthetic hydrotalcite iowaite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 437-441	4.1	32

75	Thermal decomposition of the synthetic hydrotalcite woodallite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 745-749	4.1	20
74	Intercalation of hydrotalcites with hexacyanoferrate(II) and (III)¶ thermoRaman spectroscopic study. <i>Journal of Solid State Chemistry</i> , 2005 , 178, 1940-1948	3.3	25
73	NIR spectroscopy of selected iron(II) and iron(III) sulphates. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 42-50	4.4	28
72	Raman spectroscopy of newberyite, hannayite and struvite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 181-8	4.4	48
71	NIR spectroscopy of jarosites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 869-74	4.4	10
70	Molecular structure of segnitite: A Raman spectroscopic study. <i>Journal of Molecular Structure</i> , 2005 , 752, 178-185	3.4	13
69	Vibrational spectroscopy of selected natural uranyl vanadates. <i>Vibrational Spectroscopy</i> , 2005 , 39, 131-138	3.8	14
68	Thermal decomposition of hydrotalcite with chromate, molybdate or sulphate in the interlayer. <i>Thermochimica Acta</i> , 2005 , 429, 179-187	2.9	39
67	Thermal decomposition of natural and synthetic plumbojarosites: Importance in Archeochemistry¶ <i>Thermochimica Acta</i> , 2005 , 432, 30-35	2.9	23
66	Thermal decomposition of synthetic argentojarosite¶implications for silver production in medieval times. <i>Thermochimica Acta</i> , 2005 , 437, 30-33	2.9	12
65	Comparison of the Raman spectra of natural and synthetic K- and Na-jarosites at 298 and 77 K. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 435-444	2.3	68
64	Thermo-Raman spectroscopic study of the uranium mineral sabugalite. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 797-805	2.3	54
63	Raman spectroscopy of hydrotalcites with sulphate, molybdate and chromate in the interlayer. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 925-931	2.3	48
62	Raman spectroscopy of beaverite and plumbojarosite. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 1106-1113	2.3	14
61	Thermal decomposition of metatorbernite - a controlled rate thermal analysis study. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 79, 721-725	4.1	20
60	Thermogravimetric analysis of organoclays intercalated with the surfactant octadecyltrimethylammonium bromide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 81, 91-97	4.1	128
59	Thermal decomposition of liebigite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 82, 373-381	4.1	20
58	Thermal decomposition of the hydrotalcite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 82, 603-608	4.1	38

57	SITE OCCUPANCY OF Co AND Ni IN ERYTHRITE ANNABERGITE SOLID SOLUTIONS DEDUCED BY VIBRATIONAL SPECTROSCOPY. <i>Canadian Mineralogist</i> , 2005 , 43, 1065-1075	0.7	11
56	Identification of mixite minerals in SEM and Raman spectroscopic analysis. <i>Mineralogical Magazine</i> , 2005 , 69, 169-177	1.7	14
55	Molecular structure of the uranyl mineral zippeite - An XRD, SEM and Raman spectroscopic study. <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2005 , 181, 271-280	1	24
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50	Synthetic deuterated erythrite--a vibrational spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 343-9	4.4	6
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48	Single-crystal Raman study of erythrite, $Co_3(AsO_4)_2 \cdot 8H_2O$. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 208-216	2.3	22
47	Thermal decomposition of syngenite, $K_2Ca(SO_4)_2 \cdot H_2O$. <i>Thermochimica Acta</i> , 2004 , 417, 143-155	2.9	19
46	Intercalation of iron hexacyano complexes in Zn,Al hydrotalcite. Part 2. A mid-infrared and Raman spectroscopic study. <i>Journal of Solid State Chemistry</i> , 2004 , 177, 1382-1387	3.3	19
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40	Identification by RAMAN Microscopy of magnesian vivianite formed from Fe^{2+} , Mg, Mn^{2+} and P_043 in a Roman camp near fort Vechten, Utrecht, The Netherlands. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2003 , 82, 209-214	1.1	5

39	Raman spectroscopy of the copper chloride minerals nantokite, eriochalcite and claringbullite - implications for copper corrosion. <i>Neues Jahrbuch für Mineralogie, Monatshefte</i> , 2003 , 2003, 433-445		20
38	Low temperature synthesis and characterization of nesquehonite. <i>Journal of Materials Science Letters</i> , 2003 , 22, 825-829		100
37	DSC and high-resolution TG of synthesized hydrotalcites of Mg and Zn. <i>Magyar Árvírad Közlemények</i> , 2003 , 71, 429-438	0	57
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32	Thermal activation of copper oxide based upon the copper hydrotalcite $Cu_xZn_{6-x}Al_2(OH)_{16}(CO_3)_x \cdot 4H_2O$. <i>Thermochimica Acta</i> , 2003 , 398, 167-174	2.9	19
31	Dehydration of synthetic and natural vivianite. <i>Thermochimica Acta</i> , 2003 , 401, 121-130	2.9	27
30	Thermal decomposition of the vivianite arsenates – Implications for soil remediation. <i>Thermochimica Acta</i> , 2003 , 403, 237-249	2.9	12
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27	Raman spectroscopy of selected lead minerals of environmental significance. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 2705-11	4.4	44
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24	Raman spectroscopy of hydrazine-intercalated kaolinite at 77, 298, 323, 343 and 358 K. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 31-36	2.3	7
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