

Wayde Martens

List of Publications by Citations

Source: <https://exaly.com/author-pdf/2854553/wayde-martens-publications-by-citations.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	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
199	Heterogeneous photocatalytic degradation of phenols in wastewater: A review on current status and developments. <i>Desalination</i> , 2010 , 261, 3-18	10.3	567
198	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
197	Microporous bamboo biochar for lithium-sulfur batteries. <i>Nano Research</i> , 2015 , 8, 129-139	10	238
196	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
195	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
194	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
193	Raman spectroscopy of the basic copper chloride minerals atacamite and paratacamite: implications for the study of copper, brass and bronze objects of archaeological significance. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 801-806	2.3	141
192	Raman and infrared spectroscopic study of the vivianite-group phosphates vivianite, baricite and bobierrite. <i>Mineralogical Magazine</i> , 2002 , 66, 1063-1073	1.7	140
191	Microstructure of HDTMA ⁺ -modified montmorillonite and its influence on sorption characteristics. <i>Clays and Clay Minerals</i> , 2006 , 54, 689-696	2.1	132
190	Raman spectroscopic study of azurite and malachite at 298 and 77 K. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 252-259	2.3	130
189	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
188	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
187	Raman spectroscopic study of the basic copper sulphates—implications for copper corrosion and Bronze disease— <i>Journal of Raman Spectroscopy</i> , 2003 , 34, 145-151	2.3	121
186	Raman spectroscopy of the basic copper phosphate minerals cornetite, libethenite, pseudomalachite, reichenbachite and ludjibaite. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 260-263	2.3	111
185	Structure and conductivity of multi-walled carbon nanotube/poly(3-hexylthiophene) composite films. <i>Polymer</i> , 2007 , 48, 1667-1678	3.9	108
184	Low temperature synthesis and characterization of nesquehonite. <i>Journal of Materials Science Letters</i> , 2003 , 22, 825-829		100

183	Growth of Boehmite Nanofibers by Assembling Nanoparticles with Surfactant Micelles. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 4245-4247	3.4	96
182	Molecular structure of the uranyl silicates – Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 538-551	2.3	87
181	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
180	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
179	Raman spectroscopy of dimethyl sulphoxide and deuterated dimethyl sulphoxide at 298 and 77 K. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 84-91	2.3	71
178	Size and Morphology Control of Gallium Oxide Hydroxide GaO(OH), Nano- to Micro-Sized Particles by Soft-Chemistry Route without Surfactant. <i>Journal of Physical Chemistry C</i> , 2008 , 112, 3568-3579	3.8	68
177	Comparison of the Raman spectra of natural and synthetic K- and Na-jarositites at 298 and 77 K. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 435-444	2.3	68
176	Thermo-Raman spectroscopy of synthetic nesquehonite – Implication for the geosequestration of greenhouse gases. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 1141-1149	2.3	64
175	Thermogravimetric analysis of selected group (II) carbonate minerals – Implication for the geosequestration of greenhouse gases. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 95, 999-1005	4.1	61
174	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
173	Thermal stability of azurite and malachite in relation to the formation of mediaeval glass and glazes. <i>Thermochimica Acta</i> , 2002 , 390, 133-144	2.9	58
172	Vibrational spectroscopy of the basic manganese and ferric phosphate minerals: strunzite, ferrostrunzite and ferristrunzite. <i>Neues Jahrbuch für Mineralogie, Monatshefte</i> , 2002 , 2002, 481-496		58
171	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
170	A Raman spectroscopic study of the uranyl phosphate mineral parsonsite. <i>Journal of Raman Spectroscopy</i> , 2006 , 37, 879-891	2.3	57
169	DSC and high-resolution TG of synthesized hydrotalcites of Mg and Zn. <i>Magyar Árvad Kémia</i> , 2003 , 71, 429-438	0	57
168	Raman spectroscopic study of the vivianite arsenate minerals. <i>Journal of Raman Spectroscopy</i> , 2003 , 34, 751-759	2.3	57
167	Absorption of the selenite anion from aqueous solutions by thermally activated layered double hydroxide. <i>Water Research</i> , 2009 , 43, 1323-9	12.5	56
166	Raman spectroscopy of the borosilicate mineral ferroaxinite. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 135-141	2.3	56

165	Synthesis and Raman spectroscopic characterisation of the oxalate mineral wheatleyite $\text{Na}_2\text{Cu}_2(\text{C}_2\text{O}_4)_2 \cdot 2\text{H}_2\text{O}$. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 901-908	2.3	56
164	Thermo-Raman spectroscopic study of the uranium mineral sabugalite. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 797-805	2.3	54
163	Raman spectroscopy of uranopilite of different origins. Implications for molecular structure. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 398-409	2.3	52
162	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
161	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	1.3	50
160	Thermal decomposition of ammonium jarosite $(\text{NH}_4)\text{Fe}_3(\text{SO}_4)_2(\text{OH})_6$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 84, 489-496	4.1	50
159	Raman spectroscopy of basic copper(II) and some complex copper(II) sulfate minerals: Implications for hydrogen bonding. <i>American Mineralogist</i> , 2004 , 89, 1130-1137	2.9	49
158	Raman spectroscopy of newberyite, hannayite and struvite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 181-8	4.4	48
157	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
156	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
155	Single crystal raman spectroscopy of cerussite. <i>American Mineralogist</i> , 2004 , 89, 352-358	2.9	44
154	Raman spectroscopy of the polyanionic copper(II) minerals buttgembachite and connellite: implications for studies of ancient copper objects and bronzes. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 752-757	2.3	44
153	Raman spectroscopy of synthetic erythrite, partially dehydrated erythrite and hydrothermally synthesized dehydrated erythrite. <i>Journal of Raman Spectroscopy</i> , 2003 , 34, 90-95	2.3	44
152	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
151	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
150	Raman spectroscopy of the phase-related basic copper arsenate minerals olivenite, cornwallite, cornubite and clinoclase. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 475-484	2.3	43
149	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
148	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

147	Natural halotrichites—EDX and Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2007 , 38, 1429-1435	2.3	42
146	Thermal stability of artinite, dypingite and brugnatellite—Implications for the geosequestration of green house gases. <i>Thermochimica Acta</i> , 2008 , 475, 39-43	2.9	42
145	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
144	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
143	Vibrational spectroscopy of the basic copper phosphate minerals: pseudomalachite, ludjibaite and reichenbachite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2002 , 58, 2861-8	4.4	41
142	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
141	Spectroscopic characterization of Mn-rich tourmalines. <i>Vibrational Spectroscopy</i> , 2007 , 44, 42-49	2.1	39
140	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
139	Thermal decomposition of hydrotalcite with chromate, molybdate or sulphate in the interlayer. <i>Thermochimica Acta</i> , 2005 , 429, 179-187	2.9	39
138	Near infrared and mid infrared investigations of adsorbed phenol on HDTMAB organoclays. <i>Materials Chemistry and Physics</i> , 2009 , 113, 707-713	4.4	38
137	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
136	Thermal decomposition of the hydrotalcite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 82, 603-608	4.1	38
135	A thermogravimetric study of the alunites of sodium, potassium and ammonium. <i>Thermochimica Acta</i> , 2006 , 443, 56-61	2.9	37
134	Raman spectroscopy of the minerals bolleite, cumengite, diabolite and phosgenite—Implications for the analysis of cosmetics of antiquity. <i>Mineralogical Magazine</i> , 2003 , 67, 103-111	1.7	37
133	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
132	Immobilised anatase on clay mineral particles as a photocatalyst for herbicides degradation. <i>Applied Clay Science</i> , 2012 , 57, 49-54	5.2	36
131	Dynamic and controlled rate thermal analysis of hydrozincite and smithsonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 911-916	4.1	36
130	Synthesis, characterization of mono, di and tri alkyl surfactant intercalated Wyoming montmorillonite for the removal of phenol from aqueous systems. <i>Journal of Colloid and Interface Science</i> , 2008 , 327, 287-94	9.3	36

129	The role of water in synthesised hydrotalcites of formula $Mg(x)Zn(6-x)Cr_2(OH)_{16}(CO_3)_x \cdot 4H_2O$ and $Ni(x)Co(6-x)Cr_2(OH)_{16}(CO_3)_x \cdot 4H_2O$ --an infrared spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 291-302	4.4	36
128	Molecular assembly in synthesised hydrotalcites of formula $Cu(x)Zn(6-x)Al_2(OH)_{16}(CO_3)_x \cdot 4H_2O$ --a vibrational spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 321-8	4.4	36
127	Modification of Kaolinite Surfaces through Intercalation with Deuterated Dimethylsulfoxide. <i>Journal of Physical Chemistry B</i> , 2002 , 106, 4162-4171	3.4	36
126	A Raman spectroscopic study of alunites. <i>Journal of Molecular Structure</i> , 2006 , 785, 123-132	3.4	35
125	Molecular structure of the adelite group of minerals--Raman spectroscopic study. <i>Journal of Raman Spectroscopy</i> , 2003 , 34, 104-111	2.3	35
124	Remediation of Cr (VI) by inorganic-organic clay. <i>Journal of Colloid and Interface Science</i> , 2017 , 490, 163-173	3.3	34
123	Transmission X-ray microscopy (TXM) reveals the nanostructure of a smectite gel. <i>Langmuir</i> , 2008 , 24, 8954-8	4	34
122	Modification of the Hydroxyl Surface of Kaolinite through Mechanochemical Treatment Followed by Intercalation with Potassium Acetate. <i>Langmuir</i> , 2002 , 18, 6491-6498	4	34
121	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
120	Infrared and infrared emission spectroscopy of the zinc carbonate mineral smithsonite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 70, 1120-6	4.4	33
119	Raman spectroscopy of the arsenates and sulphates of the tsumcorite mineral group. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 28-35	2.3	33
118	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
117	Thermal decomposition of the synthetic hydrotalcite iowaite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 437-441	4.1	32
116	An infrared spectroscopic study of the basic copper phosphate minerals: Cornetite, libethenite, and pseudomalachite. <i>American Mineralogist</i> , 2003 , 88, 37-46	2.9	32
115	Synthesis, characterization, and surface properties of iron-doped boehmite nanofibers. <i>Langmuir</i> , 2007 , 23, 2110-6	4	31
114	Raman and infrared spectroscopic study of the basic copper chloride minerals - implications for the study of the copper and brass corrosion and "bronze disease". <i>Neues Jahrbuch Fur Mineralogie, Abhandlungen</i> , 2003 , 178, 197-215	1	31
113	Metal Nanoparticle Photocatalysts: Synthesis, Characterization, and Application. <i>Particle and Particle Systems Characterization</i> , 2018 , 35, 1700489	3.1	31
112	Raman spectroscopy of selected arsenates--implications for soil remediation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2003 , 59, 2241-6	4.4	30

111	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
110	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
109	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
108	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
107	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
106	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
105	Thermal stability of synthetic aurichalcite implications for making mixed metal oxides for use as catalysts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 94, 203-208	4.1	27
104	Dehydration of synthetic and natural vivianite. <i>Thermochimica Acta</i> , 2003 , 401, 121-130	2.9	27
103	Mixed Matrix Carbon Molecular Sieve and Alumina (CMS- Al_2O_3) Membranes. <i>Scientific Reports</i> , 2016 , 6, 30703	4.9	26
102	Thermo-Raman spectroscopy of selected layered double hydroxides of formula $Cu_6Al_2(OH)_{16}CO_3$ and $Zn_6Al_2(OH)_{16}CO_3$. <i>Journal of Raman Spectroscopy</i> , 2009 , 40, 645-649	2.3	26
101	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
100	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
99	The basic copper arsenate minerals olivenite, cornubite, cornwallite, and clinoclase: An infrared emission and Raman spectroscopic study. <i>American Mineralogist</i> , 2003 , 88, 501-508	2.9	25
98	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
97	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
96	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
95	Structured water in hydrotalcites of formula $Mg_xZn_{6-x}Al_2(OH)_{16}(CO_3)_4 \cdot 4H_2O$: a Raman microscopic study. <i>Journal of Raman Spectroscopy</i> , 2002 , 33, 604-609	2.3	24
94	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

93	Thermal decomposition of the layered double hydroxides of formula $\text{Cu}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3$ and $\text{Zn}_6\text{Al}_2(\text{OH})_{16}\text{CO}_3$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2009 , 96, 481-485	4.1	23
92	Thermal decomposition of natural and synthetic plumbojarosites: Importance in Archeochemistry. <i>Thermochimica Acta</i> , 2005 , 432, 30-35	2.9	23
91	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
90	Single-crystal Raman study of erythrite, $\text{Co}_3(\text{AsO}_4)_2 \cdot 8\text{H}_2\text{O}$. <i>Journal of Raman Spectroscopy</i> , 2004 , 35, 208-216	2.3	22
89	Characterization of conichalcite by SEM, FTIR, Raman and electronic reflectance spectroscopy. <i>Mineralogical Magazine</i> , 2005 , 69, 155-167	1.7	22
88	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
87	The molecular structure of the phosphate mineral turquoise. Raman spectroscopic study. <i>Journal of Molecular Structure</i> , 2006 , 788, 224-231	3.4	21
86	Complexity of intercalation of hydrazine into kaolinite—a controlled rate thermal analysis and DRIFT spectroscopic study. <i>Journal of Colloid and Interface Science</i> , 2002 , 251, 350-9	9.3	21
85	Separation of Adsorbed and Intercalated Hydrazine in Hydrazine-Hydrate Intercalated Kaolinite by Controlled-Rate Thermal Analysis. <i>Langmuir</i> , 2002 , 18, 1244-1249	4	21
84	Raman spectroscopic and SEM study of cinnabar from Herod's palace and its likely origin. <i>Analyst, The</i> , 2002 , 127, 293-296	5	21
83	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
82	Thermal decomposition of the synthetic hydrotalcite woodallite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2006 , 86, 745-749	4.1	20
81	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
80	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
79	Thermal decomposition of liebigite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005 , 82, 373-381	4.1	20
78	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
77	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
76	Thermal decomposition of syngenite, $\text{K}_2\text{Ca}(\text{SO}_4)_2 \cdot \text{H}_2\text{O}$. <i>Thermochimica Acta</i> , 2004 , 417, 143-155	2.9	19

75	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
74	Thermal activation of copper oxide based upon the copper hydrotalcite $Cu_xZn_{6-x}Al_2(OH)_{16}(CO_3)_4 \cdot 4H_2O$. <i>Thermochimica Acta</i> , 2003 , 398, 167-174	2.9	19
73	Sulfated fibrous ZrO_2/Al_2O_3 core and shell nanocomposites: A novel strong acid catalyst with hierarchically macro-mesoporous nanostructure. <i>Journal of Molecular Catalysis A</i> , 2012 , 353-354, 95-105		18
72	Ceramic metal oxides with Ni^{2+} active phase for the fast degradation of Orange II dye under dark ambience. <i>Ceramics International</i> , 2018 , 44, 6634-6640	5.1	17
71	Raman spectroscopy study of selected uranophanes. <i>Journal of Molecular Structure</i> , 2006 , 788, 115-125	3.4	17
70	Thermal activation of copper nitrate. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1415-1417		17
69	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
68	Thermal analysis of beaverite in comparison with plumbojarosite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 92, 887-892	4.1	16
67	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
66	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
65	Review article. The crystal structure and vibrational spectroscopy of jarosite and alunite minerals. <i>American Mineralogist</i> , 2013 , 98, 1633-1643	2.9	15
64	The thermal decomposition of hydronium jarosite and ammoniojarosite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2014 , 115, 101-109	4.1	15
63	Thermogravimetric analysis of wheatleyite $Na_2Cu_2+(C_2O_4)_2 \cdot 2H_2O$. <i>Journal of Thermal Analysis and Calorimetry</i> , 2008 , 93, 993-997	4.1	15
62	A Raman and infrared spectroscopic study of the uranyl silicates--weaverite, soddyite and haiweeite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 64, 308-15	4.4	15
61	Mechanism for decomposition of aurichalcite: A controlled rate thermal analysis study. <i>Thermochimica Acta</i> , 2008 , 468, 81-86	2.9	14
60	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
59	Vibrational spectroscopy of selected natural uranyl vanadates. <i>Vibrational Spectroscopy</i> , 2005 , 39, 131-138		14
58	Raman spectroscopy of beaverite and plumbojarosite. <i>Journal of Raman Spectroscopy</i> , 2005 , 36, 1106-1113		14

57	Identification of mixite minerals by SEM and Raman spectroscopic analysis. <i>Mineralogical Magazine</i> , 2005 , 69, 169-177	1.7	14
56	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
55	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
54	A Raman and infrared spectroscopic study of the uranyl silicates--wecksite, soddyite and haiweeite: part 2. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 305-12	4.4	13
53	Molecular structure of segnitite: A Raman spectroscopic study. <i>Journal of Molecular Structure</i> , 2005 , 752, 178-185	3.4	13
52	Thermal decomposition of the vivianite arsenates—implications for soil remediation. <i>Thermochimica Acta</i> , 2003 , 403, 237-249	2.9	12
51	Thermal decomposition of synthetic argentojarosite—implications for silver production in medieval times. <i>Thermochimica Acta</i> , 2005 , 437, 30-33	2.9	12
50	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
49	Sulphate Efflorescent Minerals from the El Jaroso Ravine, Sierra Almagrera, Spain—A Scanning Electron Microscopic and Infrared Spectroscopic Study. <i>Journal of Near Infrared Spectroscopy</i> , 2006 , 14, 167-178	1.5	11
48	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
47	Synthesis and characterization of $K_2Ca_5(SO_4)_6 \cdot H_2O$, the equivalent of geyeyite, a rare evaporite mineral. <i>American Mineralogist</i> , 2004 , 89, 266-272	2.9	10
46	NIR spectroscopy of jarosites. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2005 , 62, 869-74	4.4	10
45	Towards the environmentally friendly solution processing of metal halide perovskite technology. <i>Green Chemistry</i> , 2021 , 23, 5302-5336	10	10
44	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
43	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
42	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
41	Using Raman spectroscopy to identify mixite minerals. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 60-5	4.4	9
40	Raman microscopy of synthetic goudeyite ($YCu_6(AsO_4)_2(OH)_6 \times 3H_2O$). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 685-9	4.4	9

39	Dehydration and dehydroxylation of alumina gels prepared from tri-sec-butoxyaluminium modified with short chain aliphatic acids. <i>Thermochimica Acta</i> , 2000 , 362, 37-48	2.9	9
38	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
37	Sol-Gel Synthesis and Characterization of Cubic Bismuth Zinc Niobium Oxide Nanopowders. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-6	3.2	8
36	ThermoRaman spectroscopic study of kintoreite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2006 , 63, 282-8	4.4	8
35	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
34	The structure of phurcalite—a vibrational spectroscopic study. <i>Vibrational Spectroscopy</i> , 2006 , 41, 205-212	2.1	8
33	The basic copper phosphate minerals pseudomalachite, ludjibaite and reichenbachite: an infrared emission and Raman spectroscopic study. <i>Neues Jahrbuch Für Mineralogie, Monatshefte</i> , 2003 , 2003, 337-362		8
32	A crystallite packing model for pseudoboehmite formed during the hydrolysis of trisecbutoxyaluminium to explain the peptizability. <i>Journal of Colloid and Interface Science</i> , 2002 , 247, 132-7	9.3	8
31	The ageing of alumina hydrolysates synthesized from sec-butoxyaluminium(III). <i>Journal of Materials Chemistry</i> , 2001 , 11, 1681-1686		8
30	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
29	Thermal analysis of halotrichites. <i>Thermochimica Acta</i> , 2007 , 459, 64-72	2.9	7
28	A Raman spectroscopic study of synthetic giniite. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 66, 42-7	4.4	7
27	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
26	Nondestructive identification of arsenic and cobalt minerals from Cobalt city, Ontario, Canada: arsenolite, erythrite, and spherocobaltite on paramammelsbergite. <i>Applied Spectroscopy</i> , 2006 , 60, 1293-6	2.1	7
25	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
24	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
23	Synthetic deuterated erythrite—a vibrational spectroscopic study. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2004 , 60, 343-9	4.4	6
22	Evidence for molecular assembly in hydrotalcites. <i>Journal of Materials Science Letters</i> , 2002 , 21, 1237-1239		6

21	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
20	Raman spectroscopic study of the molecular structure of the uranyl mineral zippeite from J̄řhymov (Joachimsthal), Czech Republic. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2007 , 67, 1220-7	4.4	5
19	Thermal decomposition studies of the polyhedral oligomeric silsesquioxane, POSSh, and when it is impregnated with the metallocene bis(eta ⁵ -cyclopentadienyl)zirconium (IV) dichloride or immobilized on silica. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2008 , 71, 45-52	4.4	5
18	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
17	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
16	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
15	Location of hydrogen atoms in hydronium jarosite. <i>Physics and Chemistry of Minerals</i> , 2014 , 41, 505-517	1.6	4
14	An XRD, SEM and TG study of a uranopilite from Australia. <i>Mineralogical Magazine</i> , 2006 , 70, 299-307	1.7	4
13	Thermal transformation of alumina hydrolysates and gels synthesized from secbutoxyaluminium(III) modified with short-chain aliphatic acids dissolved in butyl ether. <i>Thermochimica Acta</i> , 2001 , 374, 31-43	2.9	4
12	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
11	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
10	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
9	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
8	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
7	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
6	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
5	Polymer nanocomposites based on P3OT, TPU and SWNT: preparation and characterization 2006 ,		1
4	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

3

2

Electronic Structure Studies and Photocatalytic Properties of Cubic Bi_{1.5}ZnNb_{1.5}O₇. *International Journal of Photoenergy*, **2015**, 2015, 1-11

2.1 ○

1

Synthesis, Characterization, and Electronic Structure Studies of Cubic Bi_{1.5}ZnTa_{1.5}O₇ for Photocatalytic Applications. *International Journal of Photoenergy*, **2015**, 2015, 1-8

2.1