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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.

175 papers	2,799 citations	27 h-index	46 g-index
188 ext. papers	3,088 ext. citations	4.3 avg, IF	5.06 L-index



#	Paper	IF	Citations
175	Synthesis, structure and photocatalytic properties of Fe(III)-doped TiO <sub>2</sub> prepared from TiCl <sub>3</sub> . <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 81, 27-37	21.8	219
174	The structure of aqueous sodium hydroxide solutions: a combined solution x-ray diffraction and simulation study. <i>Journal of Chemical Physics</i> , <b>2008</b> , 128, 044501	3.9	124
173	The structure of Al(III) in strongly alkaline aluminate solutions I A review. <i>Journal of Molecular Liquids</i> , <b>2009</b> , 146, 1-14	6	106
172	The effect of particle shape on the activity of nanocrystalline TiO <sub>2</sub> photocatalysts in phenol decomposition. <i>Applied Catalysis B: Environmental</i> , <b>2008</b> , 84, 356-362	21.8	92
171	Low temperature synthesis, characterization and substrate-dependent photocatalytic activity of nanocrystalline TiO <sub>2</sub> with tailor-made rutile to anatase ratio. <i>Applied Catalysis A: General</i> , <b>2008</b> , 340, 153-161	5.1	91
170	Dielectric Relaxation of Dilute Aqueous NaOH, NaAl(OH) <sub>4</sub> , and NaB(OH) <sub>4</sub> . <i>Journal of Physical Chemistry B</i> , <b>1999</b> , 103, 11186-11190	3.4	82
169	Viscosities and Densities of Highly Concentrated Aqueous MOH Solutions (M <sup>+</sup> = Na <sup>+</sup> , K <sup>+</sup> , Li <sup>+</sup> , Cs <sup>+</sup> , (CH <sub>3</sub> ) <sub>4</sub> N <sup>+</sup> ) at 25.0 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2000</b> , 45, 613-617	2.8	75
168	Formation of spherical iron(III) oxyhydroxide nanoparticles sterically stabilized by chitosan in aqueous solutions. <i>Journal of Inorganic Biochemistry</i> , <b>2003</b> , 95, 55-63	4.2	74
167	Limitations of pH-potentiometric titration for the determination of the degree of deacetylation of chitosan. <i>Carbohydrate Research</i> , <b>2007</b> , 342, 124-30	2.9	67
166	Carbonate removal from concentrated hydroxide solutions. <i>Analyst, The</i> , <b>2000</b> , 125, 955-958	5	65
165	An investigation of the lead(II)-hydroxide system. <i>Inorganic Chemistry</i> , <b>2001</b> , 40, 3974-8	5.1	62
164	Structure of Aqueous Sodium Aluminate Solutions: A Solution X-ray Diffraction Study. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 7841-7850	2.8	58
163	Comparison of the substrate dependent performance of Pt-, Au- and Ag-doped TiO <sub>2</sub> photocatalysts in H <sub>2</sub> -production and in decomposition of various organics. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2009</b> , 98, 215-225		53
162	The influence of the local structure of Fe(III) on the photocatalytic activity of doped TiO <sub>2</sub> photocatalysts An EXAFS, XPS and Mössbauer spectroscopic study. <i>Applied Catalysis B: Environmental</i> , <b>2011</b> , 103, 232-239	21.8	47
161	Synthesis and characterization of titania photocatalysts: The influence of pretreatment on the activity. <i>Applied Catalysis A: General</i> , <b>2006</b> , 303, 1-8	5.1	46
160	The effect of particle shape on the activity of nanocrystalline TiO <sub>2</sub> photocatalysts in phenol decomposition. Part 3: The importance of surface quality. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 96, 577-585	21.8	43
159	A Hydrogen Electrode Study of Concentrated Alkaline Aluminate Solutions. <i>Australian Journal of Chemistry</i> , <b>1998</b> , 51, 445	1.2	38



158	The local structures of Cu(II) and Zn(II) complexes of hyaluronate. <i>Journal of Inorganic Biochemistry</i> , <b>1998</b> , 72, 49-55	4.2	35
157	Quantification of punctate iron sources using magnetic resonance phase. <i>Magnetic Resonance in Medicine</i> , <b>2010</b> , 63, 106-15	4.4	34
156	Quantitative determination of an aluminate dimer in concentrated alkaline aluminate solutions by Raman spectroscopy. <i>Dalton Transactions</i> , <b>2006</b> , 368-75	4.3	33
155	Mn(II)–amino acid complexes intercalated in CaAl-layered double hydroxide [Well-characterized, highly efficient, recyclable oxidation catalysts. <i>Journal of Catalysis</i> , <b>2016</b> , 335, 125-134	7.3	32
154	(27)Al NMR and Raman spectroscopic studies of alkaline aluminate solutions with extremely high caustic content - Does the octahedral species Al(OH)(6)(3-) exist in solution?. <i>Talanta</i> , <b>2006</b> , 70, 761-5	6.2	32
153	Mechanochemically assisted synthesis of pristine Ca(II)Sn(IV)-layered double hydroxides and their amino acid intercalated nanocomposites. <i>Journal of Materials Science</i> , <b>2014</b> , 49, 8478-8486	4.3	31
152	Ultrasonically-enhanced mechanochemical synthesis of CaAl-layered double hydroxides intercalated by a variety of inorganic anions. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 31, 409-16	8.9	30
151	Multinuclear NMR and molecular modelling investigations on the structure and equilibria of complexes that form in aqueous solutions of Ca(2+) and gluconate. <i>Carbohydrate Research</i> , <b>2010</b> , 345, 1856-64	2.9	30
150	Optimisation of the synthesis parameters of mechanochemically prepared CaAl-layered double hydroxide. <i>Applied Clay Science</i> , <b>2015</b> , 112-113, 94-99	5.2	29
149	Rod-like iron(III) oxyhydroxide particles in iron(III)-polysaccharide solutions. <i>Journal of Inorganic Biochemistry</i> , <b>1995</b> , 58, 129-138	4.2	28
148	As-prepared and intercalated layered double hydroxides of the hydrocalumite type as efficient catalysts in various reactions. <i>Catalysis Today</i> , <b>2018</b> , 306, 32-41	5.3	27
147	A comprehensive study on the dominant formation of the dissolved Ca(OH)2(aq) in strongly alkaline solutions saturated by Ca(II). <i>RSC Advances</i> , <b>2016</b> , 6, 45231-45240	3.7	27
146	The effect of particle shape on the activity of nanocrystalline TiO2 photocatalysts in phenol decomposition. Part 2: The key synthesis parameters influencing the particle shape and activity. <i>Applied Catalysis B: Environmental</i> , <b>2010</b> , 96, 569-576	21.8	27
145	Multinuclear complex formation between Ca(II) and gluconate ions in hyperalkaline solutions. <i>Environmental Science &amp; Technology</i> , <b>2014</b> , 48, 6604-11	10.3	25
144	Application of the Specific Ion Interaction Theory (SIT) for the ionic products of aqueous electrolyte solutions of very high concentrations. <i>Journal of Molecular Liquids</i> , <b>2008</b> , 143, 13-16	6	25
143	Mechanochemical synthesis and intercalation of Ca(II)Fe(III)-layered double hydroxides. <i>Journal of Solid State Chemistry</i> , <b>2016</b> , 233, 236-243	3.3	24
142	Viscosities and Densities of Concentrated Aqueous NaOH/NaAl(OH)4 Mixtures at 25 °C. <i>Journal of Chemical &amp; Engineering Data</i> , <b>2001</b> , 46, 657-661	2.8	24
141	Raman, IR, and 27Al-MAS-NMR Spectroscopic Studies of Sodium (Hydroxy)Aluminates. <i>Applied Spectroscopy</i> , <b>1999</b> , 53, 415-422	3.1	24



140	Synthesis and properties of novel Ba(II)Fe(III) layered double hydroxides. <i>Applied Clay Science</i> , <b>2010</b> , 48, 214-217	5.2	23
139	Chemical speciation in concentrated alkaline aluminate solutions in sodium, potassium and caesium media. Interpretation of the unusual variations of the observed hydroxide activity. <i>Dalton Transactions</i> , <b>2006</b> , 1858-66	4.3	23
138	Dielectric Relaxation of Concentrated Alkaline Aluminate Solutions. <i>Journal of Physical Chemistry A</i> , <b>2002</b> , 106, 6527-6532	2.8	23
137	Reconstruction of calcined MgAl- and NiMgAl-layered double hydroxides during glycerol dehydration and their recycling characteristics. <i>Applied Clay Science</i> , <b>2013</b> , 80-81, 245-248	5.2	22
136	Spectroscopic studies of the chemical speciation in concentrated alkaline aluminate solutions. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1998</b> , 3007-3012		21
135	Viscosities of concentrated electrolyte solutions. <i>Journal of Molecular Liquids</i> , <b>2003</b> , 103-104, 261-273	6	21
134	Raman Spectroscopic Study of Ion Pairing of Alkali Metal Ions with Carbonate and Sulfate in Aqueous Solutions. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 887	1.2	19
133	A layered double hydroxide, a synthetically useful heterogeneous catalyst for azide-alkyne cycloadditions in a continuous-flow reactor. <i>Applied Catalysis A: General</i> , <b>2015</b> , 501, 63-73	5.1	18
132	The Structure of Gallium in Strongly Alkaline, Highly Concentrated Gallate Solutions—Raman and <sup>71</sup> Ga-NMR Spectroscopic Study. <i>Journal of Solution Chemistry</i> , <b>2008</b> , 37, 1411-1418	1.8	18
131	A general method for the determination of copper(I) equilibria in aqueous solution. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1993</b> , 1704		18
130	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. <i>Catalysis Today</i> , <b>2017</b> , 284, 195-201	5.3	17
129	Cu(II)-amino acid-CaAl-layered double hydroxide complexes, recyclable, efficient catalysts in various oxidative transformations. <i>Journal of Molecular Catalysis A</i> , <b>2016</b> , 423, 49-60		17
128	Synthesis and properties of CaAl-layered double hydroxides of hydrocalumite-type. <i>Chemical Papers</i> , <b>2014</b> , 68,	1.9	17
127	The standard electrode potential of the Sn <sup>4+</sup> /Sn <sup>2+</sup> couple revisited. <i>Monatshefte für Chemie</i> , <b>2009</b> , 140, 1293-1303	1.4	17
126	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO, NO, ClO). <i>Ultrasonics Sonochemistry</i> , <b>2018</b> , 40, 853-860	8.9	17
125	The structure and stability of CaFe layered double hydroxides with various Ca:Fe ratios studied by Mössbauer spectroscopy, X-ray diffractometry and microscopic analysis. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1044, 116-120	3.4	16
124	Ultrasound-enhanced milling in the synthesis of phase-pure, highly crystalline ZnAl-layered double hydroxide of low Zn(II) content. <i>Particuology</i> , <b>2016</b> , 27, 29-33	2.8	15
123	Multinuclear complex formation in aqueous solutions of Ca(II) and heptagluconate ions. <i>Dalton Transactions</i> , <b>2013</b> , 42, 8460-7	4.3	14



122	Structural Peculiarities of Cyanoximes and their Anions: Co-crystallization of Two Diastereomers and Formation of Acid-salts. <i>Current Inorganic Chemistry</i> , <b>2015</b> , 5, 38-63		14
121	Mechanochemical and wet chemical syntheses of CaIn-layered double hydroxide and its performance in a transesterification reaction compared to those of other Ca <sub>2</sub> M(III) hydrocalumites (M: Al, Sc, V, Cr, Fe, Ga) and Mg(II)-, Ni(II)-, Co(II)- or Zn(II)-based hydrotalcites. <i>Journal of Catalysis</i> , <b>2020</b> , 391, 282-297	7.3	14
120	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , <b>2019</b> , 174, 138-145	5.2	13
119	Water types and their relaxation behavior in partially rehydrated CaFe-mixed binary oxide obtained from CaFe-layered double hydroxide in the 155-298 K temperature range. <i>Langmuir</i> , <b>2013</b> , 29, 13315-214		13
118	Structure and equilibria of Ca <sup>2+</sup> -complexes of glucose and sorbitol from multinuclear (1H, 13C and 43Ca) NMR measurements supplemented with molecular modelling calculations. <i>Journal of Molecular Structure</i> , <b>2011</b> , 993, 336-340	3.4	13
117	The ultraviolet absorption spectra of synthetic bayer liquors. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1994</b> , 2355		13
116	ML and ML complex formation between Ca(ii) and d-glucose derivatives in aqueous solutions. <i>Dalton Transactions</i> , <b>2017</b> , 46, 1065-1074	4.3	12
115	The catalytic epoxidation of 2-cyclohexen-1-one over uncalcined layered double hydroxides using various solvents. <i>Catalysis Today</i> , <b>2015</b> , 241, 231-236	5.3	12
114	Superoxide dismutase inspired Fe(III)Bmino acid complexes covalently grafted onto chloropropylated silica gel Bsyntheses, structural characterisation and catalytic activity. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1044, 39-45	3.4	12
113	The structure of Fe(III) ions in strongly alkaline aqueous solutions from EXAFS and MBsbauer spectroscopy. <i>Dalton Transactions</i> , <b>2008</b> , 5603-11	4.3	12
112	Organic-Inorganic Nanocomposites Based on Iron Containing Clusters and Biomolecules. <i>Australian Journal of Chemistry</i> , <b>1995</b> , 48, 783	1.2	12
111	A mineralogically-inspired silverBismuth hybrid material: an efficient heterogeneous catalyst for the direct synthesis of nitriles from terminal alkynes. <i>Green Chemistry</i> , <b>2018</b> , 20, 1007-1019	10	11
110	Rehydration of dehydrated CaFe-L(ayered)D(ouble)H(ydroxide) followed by thermogravimetry, X-ray diffractometry and dielectric relaxation spectroscopy. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1044, 26-31	3.4	11
109	Formation microequilibria of proton, calcium and magnesium complexes of the Bcarboxyglutamate ion and related compounds. <i>Inorganica Chimica Acta</i> , <b>1988</b> , 152, 233-239	2.7	11
108	Synthesis of high-quality, well-characterized CaAlFe-layered triple hydroxide with the combination of dry-milling and ultrasonic irradiation in aqueous solution at elevated temperature. <i>Ultrasonics Sonochemistry</i> , <b>2016</b> , 32, 173-180	8.9	11
107	Formation of mono- and binuclear neodymium(iii)-gluconate complexes in aqueous solutions in the pH range of 2-8. <i>Dalton Transactions</i> , <b>2017</b> , 46, 6049-6058	4.3	10
106	Effects of ultrasonic irradiation on the synthesis, crystallization, thermal and dissolution behaviour of chloride-intercalated, co-precipitated CaFe-layered double hydroxide. <i>Ultrasonics Sonochemistry</i> , <b>2019</b> , 55, 165-173	8.9	10
105	Using low-frequency IR spectra for the unambiguous identification of metal ion-ligand coordination sites in purpose-built complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2014</b> , 122, 257-9	4.4	10



104	Synthesis and characterisation of alkaline earth-iron(III) double hydroxides. <i>Chemical Papers</i> , <b>2011</b> , 65,	1.9	10
103	A SEM, EDX and XAS characterization of Ba(II)Fe(III) layered double hydroxides. <i>Journal of Molecular Structure</i> , <b>2011</b> , 993, 62-66	3.4	10
102	The ionic product of water in concentrated tetramethylammonium chloride solutions. <i>Talanta</i> , <b>1997</b> , 44, 617-20	6.2	10
101	Thermodynamics of Protonation and Sodium Binding of Sulfate in Concentrated NaCl and CsCl Solutions Studied by Raman Spectroscopy. <i>Australian Journal of Chemistry</i> , <b>2000</b> , 53, 363	1.2	10
100	Calcium, magnesium and zinc ion coordination equilibria of vincristine. <i>Inorganica Chimica Acta</i> , <b>1986</b> , 124, 175-179	2.7	10
99	Comparison of the Ca complexing properties of isosaccharinate and gluconate - is gluconate a reliable structural and functional model of isosaccharinate?. <i>Dalton Transactions</i> , <b>2017</b> , 46, 13888-13896	4.3	9
98	Thermal decomposition and reconstruction of CaFe-layered double hydroxide studied by X-ray diffractometry and 57Fe Mössbauer spectroscopy. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1090, 19-24	3.4	9
97	Speciation and structure of tin(II) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17974-9	4.9	9
96	Delaminating and restacking MgAl-layered double hydroxide monitored and characterized by a range of instrumental methods. <i>Journal of Molecular Structure</i> , <b>2017</b> , 1140, 77-82	3.4	9
95	CH <sub>2</sub> S hydrogen bonds as the organising force in 2,3-thienyl- and phenyl- or 2,3-dithienyl-substituted propenoic acid aggregates studied by the combination of FT-IR spectroscopy and computations. <i>Journal of Molecular Structure</i> , <b>2011</b> , 993, 259-263	3.4	9
94	205Tl-NMR and UV-Visible spectroscopic determination of the formation constants of aqueous thallium(I) hydroxo-complexes. <i>Journal of Solution Chemistry</i> , <b>1997</b> , 26, 419-431	1.8	9
93	Ultrasound-Assisted Hydrazine Reduction Method for the Preparation of Nickel Nanoparticles, Physicochemical Characterization and Catalytic Application in Suzuki-Miyaura Cross-Coupling Reaction. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	8
92	Syntheses, characterization and catalytic activities of CaAl-layered double hydroxide intercalated Fe(III)-amino acid complexes. <i>Catalysis Today</i> , <b>2018</b> , 306, 42-50	5.3	8
91	Estimation of the solubility product of hydrocalumite hydroxide, a layered double hydroxide with the formula of [Ca <sub>2</sub> Al(OH) <sub>6</sub> ](OH) <sub>2</sub> ·H <sub>2</sub> O. <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 98, 167-173	3.9	8
90	Search for a Raney-Ni type catalyst efficient in the transformation of excess glycerol into more valuable products. <i>Catalysis Communications</i> , <b>2014</b> , 43, 116-120	3.2	8
89	Complexation of Al(III) with gluconate in alkaline to hyperalkaline solutions: formation, stability and structure. <i>Dalton Transactions</i> , <b>2013</b> , 42, 13470-6	4.3	8
88	Preparation, Characterisation and Some Reactions of Organocatalysts Immobilised Between the Layers of a CaFe-Layered Double Hydroxide. <i>Topics in Catalysis</i> , <b>2012</b> , 55, 858-864	2.3	8
87	Speciation and the structure of lead(II) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17539-43	4.3	7



86	Ni-Amino Acid-Ca-Al-Layered Double Hydroxide Composites: Construction, Characterization and Catalytic Properties in Oxidative Transformations. <i>Topics in Catalysis</i> , <b>2017</b> , 60, 1429-1438	2.3	7
85	The kinetics of the precipitation of gypsum, $\text{CaSO}_4 \cdot \frac{1}{2}\text{H}_2\text{O}$ , over a wide range of reactant concentrations. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2020</b> , 131, 75-88	1.6	7
84	Crystal and solution structures of calcium complexes relevant to problematic waste disposal: calcium gluconate and calcium isosaccharinate. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , <b>2018</b> , 74, 598-609	1.8	7
83	Configuration-dependent complex formation between Ca(II) and sugar carboxylate ligands in alkaline medium: Comparison of L-gulonate with D-gluconate and D-heptaguconate. <i>Carbohydrate Research</i> , <b>2018</b> , 460, 34-40	2.9	6
82	The structure of hyperalkaline aqueous solutions containing high concentrations of gallium--a solution X-ray diffraction and computational study. <i>Physical Chemistry Chemical Physics</i> , <b>2014</b> , 16, 4023-32	3.6	6
81	Covalently grafted, silica gel supported mixed amino acid iron complexes [Syntheses, structural characterization and catalytic testing. <i>Journal of Molecular Structure</i> , <b>2011</b> , 993, 203-207	3.4	6
80	Reaction of hydrogen sulfide with native horse spleen ferritin. <i>Inorganic Chemistry</i> , <b>1993</b> , 32, 4480-4482	5.1	6
79	Utilization of Enzymatic Digestion for the Study of the Macromolecular Effect in Complexation Processes. Protonation and Copper Coordination Equilibria of Hyaluronate and Its Fragments. <i>Bulletin of the Chemical Society of Japan</i> , <b>1992</b> , 65, 2211-2214	5.1	6
78	Recent advances in the aqueous chemistry of the calcium(II)-gluconate system [Equilibria, structure and composition of the complexes forming in neutral and in alkaline solutions. <i>Coordination Chemistry Reviews</i> , <b>2020</b> , 417, 213337	23.2	6
77	The Effect of Molecular Weight on the Solubility Properties of Biocompatible Poly(ethylene succinate) Polyester. <i>Polymers</i> , <b>2021</b> , 13,	4.5	6
76	Design of nucleic acid-layered double hydroxide nanohybrids. <i>Colloid and Polymer Science</i> , <b>2017</b> , 295, 1463-1473	2.4	5
75	Calcium complexation and acid-base properties of l-gulonate, a diastereomer of d-gluconate. <i>Dalton Transactions</i> , <b>2016</b> , 45, 18281-18291	4.3	5
74	Protonation and sodium ion-pairing of the sulfite ion in concentrated aqueous electrolyte solutions. <i>Journal of Solution Chemistry</i> , <b>1997</b> , 26, 957-972	1.8	5
73	The stability constants of silver-iodide complexes in DMF. <i>Polyhedron</i> , <b>1994</b> , 13, 855-857	2.7	5
72	Some aspects of the aqueous solution chemistry of the $\text{Na}^+/\text{Ca}^{2+}/\text{OH}^-/\text{Cit}^{3-}$ system: The structure of a new calcium citrate complex forming under hyperalkaline conditions. <i>Journal of Molecular Structure</i> , <b>2016</b> , 1118, 110-116	3.4	5
71	Ultrasonically-assisted mechanochemical synthesis of zinc aluminate spinel from aluminium-rich layered double hydroxide. <i>Journal of Solid State Chemistry</i> , <b>2019</b> , 272, 227-233	3.3	5
70	Mechanochemically modified hydrazine reduction method for the synthesis of nickel nanoparticles and their catalytic activities in the Suzuki-Miyaura cross-coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2019</b> , 126, 857-868	1.6	5
69	Temperature dependence of the acid-base and $\text{Ca}^{2+}$ -complexation equilibria of d-gluconate in hyperalkaline aqueous solutions. <i>Polyhedron</i> , <b>2019</b> , 158, 117-124	2.7	5



68	Magnesium(II) d-Gluconate Complexes Relevant to Radioactive Waste Disposals: Metal-Ion-Induced Ligand Deprotonation or Ligand-Promoted Metal-Ion Hydrolysis?. <i>Inorganic Chemistry</i> , <b>2019</b> , 58, 6832-6844	5.1	4
67	Influencing the texture and morphological properties of layered double hydroxides with the most diluted solvent mixtures [The effect of 68 carbon alcohols and temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 574, 146-153	5.1	4
66	Synthesis, structural characterisation, and catalytic activity of Mn(II)-protected amino acid complexes covalently immobilised on chloropropylated silica gel. <i>Catalysis Today</i> , <b>2015</b> , 241, 264-269	5.3	4
65	Stability and structural aspects of complexes forming between aluminum(III) and D-heptagluconate in acidic to strongly alkaline media: An unexpected diversity. <i>Journal of Molecular Liquids</i> , <b>2020</b> , 314, 113645	6	4
64	Mössbauer and XRD study of intercalated CaFe-layered double hydroxides. <i>Hyperfine Interactions</i> , <b>2014</b> , 226, 171-179	0.8	4
63	Carbon nanotube-layered double hydroxide nanocomposites. <i>Chemical Papers</i> , <b>2014</b> , 68,	1.9	4
62	Radiation induced topotactic [2+2] dimerisation of acrylate derivatives among the layers of a CaFe layered double hydroxide followed by IR spectroscopy. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1044, 279-285	3.4	4
61	Characterization of complexes formed between [Me <sub>2</sub> Sn(IV)] <sup>2+</sup> and carboxymethylcelluloses. <i>Carbohydrate Research</i> , <b>2006</b> , 341, 2083-9	2.9	4
60	Mössbauer, XRD and TEM Study on the Intercalation and the Release of Drugs in/from Layered Double Hydroxides. <i>Croatica Chemica Acta</i> , <b>2015</b> , 88, 369-376	0.8	4
59	Calcium l-tartrate complex formation in neutral and in hyperalkaline aqueous solutions. <i>Dalton Transactions</i> , <b>2016</b> , 45, 17296-17303	4.3	4
58	Novel route to synthesize CaAl- and MgAl-layered double hydroxides with highly regular morphology. <i>Journal of Sol-Gel Science and Technology</i> , <b>2019</b> , 89, 844-851	2.3	4
57	Structural features of intercalated CaFe-layered double hydroxides studied by X-ray diffractometry, infrared spectroscopy and computations. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1090, 14-18	3.4	3
56	The acidity and self-catalyzed lactonization of l-gulonic acid: Thermodynamic, kinetic and computational study. <i>Carbohydrate Research</i> , <b>2018</b> , 467, 14-22	2.9	3
55	On the lack of capillary Mössbauer spectroscopic effect for SnII-containing aqueous solutions trapped in corning Vycor thirsty glass. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , <b>2014</b> , 302, 695-700	1.5	3
54	Self-assembling of 2,3-phenyl/thienyl-substituted acrylic acids over polycrystalline gold. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1044, 32-38	3.4	3
53	The solubility of Ca(OH) <sub>2</sub> in extremely concentrated NaOH solutions at 25°C. <i>Open Chemistry</i> , <b>2012</b> , 10, 332-337	1.6	3
52	Mössbauer and XRD investigations of layered double hydroxides (LDHs) with varying Mg/Fe ratios. <i>Hyperfine Interactions</i> , <b>2013</b> , 217, 145-149	0.8	3
51	Spectroscopic and potentiometric study of protonation and copper(II) complex formation of 3-amino-L-tyrosine. <i>Journal of the Chemical Society Dalton Transactions</i> , <b>1990</b> , 2909		3



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47	Co(II)-amino acid-CaAl-layered double hydroxide composites: Construction and characterization. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1179, 263-268	3.4	3
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41	Building, characterising and catalytic activity testing of Co(II)-protected amino acid complexes covalently grafted onto chloropropylated silica gel. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1090, 138-143	3.4	2
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37	Comparison of the liquid and gas phase photocatalytic activity of flame-synthesized TiO <sub>2</sub> catalysts: the role of surface quality. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , <b>2011</b> , 102, 283-294	1.6	2
36	Effect of electrophilic and nucleophilic substituents on the protonation microequilibria of tyrosine derivatives. <i>International Journal of Peptide and Protein Research</i> , <b>1992</b> , 39, 207-10		2
35	Monometallic Supported Gold Catalysts in Organic Transformations: Ring Making and Ring Breaking. <i>Catalysts</i> , <b>2012</b> , 2, 101-120	4	2
34	Layered double alkoxides a novel group of layered double hydroxides without water content. <i>Materials Research Letters</i> , <b>2020</b> , 8, 68-74	7.4	2
33	Cu(II)Cr(III)-LDH: synthesis, characterization, intercalation properties and a catalytic application. <i>Chemical Papers</i> , <b>2018</b> , 72, 897-902	1.9	2



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30	Esterification reactions with acetate- or benzoate-containing CaAl-layered double hydroxide samples. <i>Journal of Molecular Structure</i> , <b>2019</b> , 1186, 303-306	3.4	1
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