

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.

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	EDTA analogues Unconventional inhibitors of gypsum precipitation. <i>Journal of Molecular Structure</i> , 2022 , 1256, 132491	3.4	1
174	Morphological aspects determine the catalytic activity of porous hydrocalumites: the role of the sacrificial templates. <i>Materials Today Chemistry</i> , 2022 , 23, 100682	6.2	1
173	Biocompatible poly(ethylene succinate) polyester with molecular weight dependent drug release properties.. <i>International Journal of Pharmaceutics</i> , 2022 , 121653	6.5	0
172	Preparation and characterization of MnIn-layered double hydroxides (LDHs), extension of the synthesis to fabricate MnM(III)-LDHs (M=Al, Sc, Cr, Fe, Ga), and the comparison of their photocatalytic and catalytic activities in the oxidation of hydroquinone. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132966	3.4	1
171	Niacin and niacin-pillared layered double hydroxidesNovel organocatalysts based on pyridine. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132868	3.4	0
170	Coordination motifs of binary neodymium(III) D-gluconate, D-galactonate and L-gulonate complexes and the transition from inner- to outer-sphere coordination in neutral to strongly alkaline medium. <i>Journal of Molecular Structure</i> , 2022 , 1261, 132894	3.4	
169	The dissolution kinetics of raw and mechanochemically treated kaolinites in industrial spent liquor The effect of the physico-chemical properties of the solids. <i>Applied Clay Science</i> , 2021 , 203, 105994	5.2	0
168	Application of mechanochemical activation in synthetic organic chemistry 2021 , 453-466		0
167	Formation of mono- and binuclear complexes of Nd ³⁺ with d-gluconate ions in hyperalkaline solutions Composition, equilibria and structure. <i>Journal of Molecular Liquids</i> , 2021 , 346, 117047	6	1
166	Manipulating the crystallization kinetics and morphology of gypsum, CaSO ₄ ·2H ₂ O via addition of citrate at high levels of supersaturation and the effect of high salinity. <i>Polyhedron</i> , 2021 , 204, 115253	2.7	1
165	The Effect of Molecular Weight on the Solubility Properties of Biocompatible Poly(ethylene succinate) Polyester. <i>Polymers</i> , 2021 , 13,	4.5	6
164	Copper-Loaded Layered Bismuth Subcarbonate-Efficient Multifunctional Heterogeneous Catalyst for Concerted C-S/C-N Heterocyclization. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 42650-42661	9.5	1
163	Conventional or mechanochemically-aided intercalation of diclofenac and naproxen anions into the interlamellar space of CaFe-layered double hydroxides and their application as dermal drug delivery systems. <i>Applied Clay Science</i> , 2021 , 212, 106233	5.2	3
162	Differential Precipitation of Mg(OH) from CaSO ₄ ·2H ₂ O Using Citrate as Inhibitor-A Promising Concept for Reagent Recovery from MgSO Waste Streams. <i>Molecules</i> , 2020 , 25,	4.8	2
161	CuI·BiOI is an efficient novel catalyst in Ullmann-type CN couplings with wide scopeA rare non-photocatalytic application. <i>Molecular Catalysis</i> , 2020 , 493, 111072	3.3	2
160	Structural insight into the photoinduced E-Z isomerisation of cinnamate embedded in ZnAl and MgAl layered double hydroxides. <i>Journal of Molecular Structure</i> , 2020 , 1219, 128561	3.4	1
159	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> , 2020 , 314, 113645	6	4

158	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> , 2020 , 10,	5.4	8
157	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> , 2020 , 417, 213337	23.2	6
156	The structure and composition of solid complexes comprising of Nd(III), Ca(II) and D-gluconate isolated from solutions relevant to radioactive waste disposal. <i>Pure and Applied Chemistry</i> , 2020 , 92, 1709-1715	2.1	3
155	Isocupreidinate-CaAl-layered double hydroxide composites heterogenized catalysts for asymmetric Michael addition. <i>Molecular Catalysis</i> , 2020 , 482, 110675	3.3	3
154	Layered double alkoxides a novel group of layered double hydroxides without water content. <i>Materials Research Letters</i> , 2020 , 8, 68-74	7.4	2
153	Equilibria and Dynamics of Sodium Citrate Aqueous Solutions: The Hydration of Citrate and Formation of the NaCit Ion Aggregate. <i>Journal of Physical Chemistry B</i> , 2020 , 124, 9604-9614	3.4	1
152	Mechanochemical and wet chemical syntheses of CaIn-layered double hydroxide and its performance in a transesterification reaction compared to those of other Ca ₂ 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> , 2020 , 391, 282-297	7.3	14
151	The kinetics of the precipitation of gypsum, CaSO ₄ ·2H ₂ O, over a wide range of reactant concentrations. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020 , 131, 75-88	1.6	7
150	Calcium complexing behaviour of lactate in neutral to highly alkaline medium. <i>Journal of Molecular Structure</i> , 2019 , 1180, 491-498	3.4	0
149	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> , 2019 , 58, 6832-6844	5.1	4
148	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> , 2019 , 574, 146-153	5.1	4
147	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> , 2019 , 55, 165-173	8.9	10
146	Esterification reactions with acetate- or benzoate-containing CaAl-layered double hydroxide samples. <i>Journal of Molecular Structure</i> , 2019 , 1186, 303-306	3.4	1
145	Placing Ni(II) Ions in Various Positions In/On Layered Double Hydroxides: Synthesis, Characterization and Testing in C-C Coupling Reactions. <i>Catalysis Letters</i> , 2019 , 149, 2899-2905	2.8	1
144	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , 2019 , 174, 138-145	5.2	13
143	Ultrasonically-assisted mechanochemical synthesis of zinc aluminate spinel from aluminium-rich layered double hydroxide. <i>Journal of Solid State Chemistry</i> , 2019 , 272, 227-233	3.3	5
142	Novel route to synthesize CaAl- and MgAl-layered double hydroxides with highly regular morphology. <i>Journal of Sol-Gel Science and Technology</i> , 2019 , 89, 844-851	2.3	4
141	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> , 2019 , 126, 857-868	1.6	5

140	Co(II)-amino acid-CaAl-layered double hydroxide composites: Construction and characterization. <i>Journal of Molecular Structure</i> , 2019 , 1179, 263-268	3.4	3
139	Effects of medium and nickel salt source in the synthesis and catalytic performance of nano-sized nickel in the Suzuki-Miyaura cross-coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019 , 126, 841-855	1.6	1
138	The aggregation behaviour of 2H-imidazole-2-thione derivatives in solution, the solid state and over polycrystalline gold surface. <i>Journal of Molecular Structure</i> , 2019 , 1180, 26-30	3.4	
137	Temperature dependence of the acid-base and Ca ²⁺ -complexation equilibria of d-gluconate in hyperalkaline aqueous solutions. <i>Polyhedron</i> , 2019 , 158, 117-124	2.7	5
136	The Synthesis and Use of Nano Nickel Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019 , 19, 453-458	1.3	3
135	Configuration-dependent complex formation between Ca(II) and sugar carboxylate ligands in alkaline medium: Comparison of L-gulonate with D-gluconate and D-heptagluconate. <i>Carbohydrate Research</i> , 2018 , 460, 34-40	2.9	6
134	A mineralogically-inspired silver-bismuth hybrid material: an efficient heterogeneous catalyst for the direct synthesis of nitriles from terminal alkynes. <i>Green Chemistry</i> , 2018 , 20, 1007-1019	10	11
133	As-prepared and intercalated layered double hydroxides of the hydrocalumite type as efficient catalysts in various reactions. <i>Catalysis Today</i> , 2018 , 306, 32-41	5.3	27
132	Syntheses, characterization and catalytic activities of CaAl-layered double hydroxide intercalated Fe(III)-amino acid complexes. <i>Catalysis Today</i> , 2018 , 306, 42-50	5.3	8
131	The acidity and self-catalyzed lactonization of l-gulonic acid: Thermodynamic, kinetic and computational study. <i>Carbohydrate Research</i> , 2018 , 467, 14-22	2.9	3
130	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO, NO, ClO). <i>Ultrasonics Sonochemistry</i> , 2018 , 40, 853-860	8.9	17
129	Cu(II)Cr(III)-LDH: synthesis, characterization, intercalation properties and a catalytic application. <i>Chemical Papers</i> , 2018 , 72, 897-902	1.9	2
128	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> , 2018 , 74, 598-609	1.8	7
127	The formation of Ca(II) enolato complexes with D and L-ketoglutarate in strongly alkaline solutions. <i>Polyhedron</i> , 2018 , 156, 89-97	2.7	
126	Potential solvents in coupling reactions catalyzed by Cu(II)Fe(III)-layered double hydroxide in a continuous-flow reactor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 121, 345-351	1.6	2
125	Borate-containing layered double hydroxide composites: synthesis, characterization and application as catalysts in the Beckmann rearrangement reaction of cyclohexanone oxime. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 121, 241-254	1.6	2
124	Mn(II)-containing layered double hydroxide composites: synthesis, characterization and an application in Ullmann diaryl etherification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017 , 121, 175-184	1.6	2
123	Design of nucleic acid-layered double hydroxide nanohybrids. <i>Colloid and Polymer Science</i> , 2017 , 295, 1463-1473	2.4	5

122	Formation of mono- and binuclear neodymium(iii)-gluconate complexes in aqueous solutions in the pH range of 2-8. <i>Dalton Transactions</i> , 2017 , 46, 6049-6058	4.3	10
121	ML and ML complex formation between Ca(ii) and d-glucose derivatives in aqueous solutions. <i>Dalton Transactions</i> , 2017 , 46, 1065-1074	4.3	12
120	From nicotinate-containing layered double hydroxides (LDHs) to NAD coenzyme II DH nanocomposites Syntheses and structural characterization by various spectroscopic methods. <i>Journal of Molecular Structure</i> , 2017 , 1140, 39-45	3.4	1
119	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. <i>Catalysis Today</i> , 2017 , 284, 195-201	5.3	17
118	Mixed Oxides Without Added Noble Metals Derived from Layered Double Hydroxides of the Hydrotalcite Type in the Hydrodechlorination Reaction of Trichloroethylene. <i>Catalysis Letters</i> , 2017 , 147, 2910-2919	2.8	1
117	Comparison of the Ca complexing properties of isosaccharinate and gluconate - is gluconate a reliable structural and functional model of isosaccharinate?. <i>Dalton Transactions</i> , 2017 , 46, 13888-13896	4.3	9
116	Ni-Amino Acid CaAl-Layered Double Hydroxide Composites: Construction, Characterization and Catalytic Properties in Oxidative Transformations. <i>Topics in Catalysis</i> , 2017 , 60, 1429-1438	2.3	7
115	Thionation of a cyanoxime derivative to form the sulphur-containing derivative, a novel ligand for complexation with transitional metal ions. <i>Structural Chemistry</i> , 2017 , 28, 475-478	1.8	1
114	Delaminating and restacking MgAl-layered double hydroxide monitored and characterized by a range of instrumental methods. <i>Journal of Molecular Structure</i> , 2017 , 1140, 77-82	3.4	9
113	Estimation of the solubility product of hydrocalumite hydroxide, a layered double hydroxide with the formula of [Ca ₂ Al(OH) ₆](OH)·H ₂ O. <i>Journal of Physics and Chemistry of Solids</i> , 2016 , 98, 167-173	3.9	8
112	Calcium complexation and acid-base properties of l-gulonate, a diastereomer of d-gluconate. <i>Dalton Transactions</i> , 2016 , 45, 18281-18291	4.3	5
111	Cu(II)-amino acid CaAl-layered double hydroxide complexes, recyclable, efficient catalysts in various oxidative transformations. <i>Journal of Molecular Catalysis A</i> , 2016 , 423, 49-60		17
110	Goldanskii-Karyagin effect on hyperalkaline tin(II)-hydroxide. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2016 , 307, 1195-1201	1.5	2
109	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> , 2016 , 6, 45231-45240	3.7	27
108	Mn(II)-amino acid complexes intercalated in CaAl-layered double hydroxide Well-characterized, highly efficient, recyclable oxidation catalysts. <i>Journal of Catalysis</i> , 2016 , 335, 125-134	7.3	32
107	Mechanochemical synthesis and intercalation of Ca(II)Fe(III)-layered double hydroxides. <i>Journal of Solid State Chemistry</i> , 2016 , 233, 236-243	3.3	24
106	Ultrasonically-enhanced mechanochemical synthesis of CaAl-layered double hydroxides intercalated by a variety of inorganic anions. <i>Ultrasonics Sonochemistry</i> , 2016 , 31, 409-16	8.9	30
105	Ultrasound-enhanced milling in the synthesis of phase-pure, highly crystalline ZnAl-layered double hydroxide of low Zn(II) content. <i>Particuology</i> , 2016 , 27, 29-33	2.8	15

104	Some aspects of the aqueous solution chemistry of the Na ⁺ /Ca ²⁺ /OH ⁻ /Cit ³⁻ system: The structure of a new calcium citrate complex forming under hyperalkaline conditions. <i>Journal of Molecular Structure</i> , 2016 , 1118, 110-116	3-4	5
103	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> , 2016 , 32, 173-180	8-9	11
102	Calcium l-tartrate complex formation in neutral and in hyperalkaline aqueous solutions. <i>Dalton Transactions</i> , 2016 , 45, 17296-17303	4-3	4
101	Optimisation of the synthesis parameters of mechanochemically prepared CaAl-layered double hydroxide. <i>Applied Clay Science</i> , 2015 , 112-113, 94-99	5-2	29
100	Structural features of intercalated CaFe-layered double hydroxides studied by X-ray diffractometry, infrared spectroscopy and computations. <i>Journal of Molecular Structure</i> , 2015 , 1090, 14-18	3-4	3
99	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> , 2015 , 1090, 138-143	3-4	2
98	A layered double hydroxide, a synthetically useful heterogeneous catalyst for azide-alkyne cycloadditions in a continuous-flow reactor. <i>Applied Catalysis A: General</i> , 2015 , 501, 63-73	5-1	18
97	Bioinspired covalently grafted Cu(II)-protected amino acid complexes: selective catalysts in the epoxidation of cyclohexene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015 , 115, 33-43	1-6	
96	Thermal decomposition and reconstruction of CaFe-layered double hydroxide studied by X-ray diffractometry and ⁵⁷ Fe Mössbauer spectroscopy. <i>Journal of Molecular Structure</i> , 2015 , 1090, 19-24	3-4	9
95	The catalytic epoxidation of 2-cyclohexen-1-one over uncalcined layered double hydroxides using various solvents. <i>Catalysis Today</i> , 2015 , 241, 231-236	5-3	12
94	Synthesis, structural characterisation, and catalytic activity of Mn(II)-protected amino acid complexes covalently immobilised on chloropropylated silica gel. <i>Catalysis Today</i> , 2015 , 241, 264-269	5-3	4
93	Structural Peculiarities of Cyanoximes and their Anions: Co-crystallization of Two Diastereomers and Formation of Acid-salts. <i>Current Inorganic Chemistry</i> , 2015 , 5, 38-63		14
92	Structural features of pyridylcinnamic acid dimers and their extended hydrogen-bonded aggregations. <i>Journal of Molecular Structure</i> , 2015 , 1090, 25-33	3-4	
91	Fe-amino acid complexes immobilized on silica gel as active and highly selective catalysts in cyclohexene epoxidation. <i>Research on Chemical Intermediates</i> , 2015 , 41, 9155-9169	2-8	
90	Mössbauer, XRD and TEM Study on the Intercalation and the Release of Drugs in/from Layered Double Hydroxides. <i>Croatica Chemica Acta</i> , 2015 , 88, 369-376	0-8	4
89	Mössbauer and XRD study of intercalated CaFe-layered double hydroxides. <i>Hyperfine Interactions</i> , 2014 , 226, 171-179	0-8	4
88	Search for a Raney-Ni type catalyst efficient in the transformation of excess glycerol into more valuable products. <i>Catalysis Communications</i> , 2014 , 43, 116-120	3-2	8
87	Carbon nanotube-layered double hydroxide nanocomposites. <i>Chemical Papers</i> , 2014 , 68,	1-9	4

86	Synthesis and properties of CaAl-layered double hydroxides of hydrocalumite-type. <i>Chemical Papers</i> , 2014 , 68,	1.9	17
85	Speciation and the structure of lead(II) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , 2014 , 43, 17539-43	4.3	7
84	Speciation and structure of tin(II) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , 2014 , 43, 17974-9	4.3	9
83	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> , 2014 , 16, 4023-32	3.6	6
82	Multinuclear complex formation between Ca(II) and gluconate ions in hyperalkaline solutions. <i>Environmental Science & Technology</i> , 2014 , 48, 6604-11	10.3	25
81	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> , 2014 , 302, 695-700	1.5	3
80	Superoxide dismutase inspired immobilised Ni(II)-protected amino acid catalysts Synthesis, characterisation, and catalytic activity. <i>Journal of Molecular Catalysis A</i> , 2014 , 395, 93-99		
79	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> , 2014 , 122, 257-9	4.4	10
78	Mechanochemically assisted synthesis of pristine Ca(II)Sn(IV)-layered double hydroxides and their amino acid intercalated nanocomposites. <i>Journal of Materials Science</i> , 2014 , 49, 8478-8486	4.3	31
77	Complexation of Al(III) with gluconate in alkaline to hyperalkaline solutions: formation, stability and structure. <i>Dalton Transactions</i> , 2013 , 42, 13470-6	4.3	8
76	Self-assembling of 2,3-phenyl/thienyl-substituted acrylic acids over polycrystalline gold. <i>Journal of Molecular Structure</i> , 2013 , 1044, 32-38	3.4	3
75	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> , 2013 , 1044, 279-285	3.4	4
74	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> , 2013 , 29, 13315-21	4	13
73	Superoxide dismutase inspired Fe(III)-amino acid complexes covalently grafted onto chloropropylated silica gel Syntheses, structural characterisation and catalytic activity. <i>Journal of Molecular Structure</i> , 2013 , 1044, 39-45	3.4	12
72	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> , 2013 , 1044, 26-31	3.4	11
71	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> , 2013 , 1044, 116-120	3.4	16
70	Multinuclear complex formation in aqueous solutions of Ca(II) and heptagluconate ions. <i>Dalton Transactions</i> , 2013 , 42, 8460-7	4.3	14
69	Reconstruction of calcined MgAl- and NiMgAl-layered double hydroxides during glycerol dehydration and their recycling characteristics. <i>Applied Clay Science</i> , 2013 , 80-81, 245-248	5.2	22

68	Conformational properties of a pyridyl-substituted cinnamic acid studied by NMR measurements and computations. <i>Journal of Molecular Structure</i> , 2013 , 1044, 286-289	3-4	1
67	Mössbauer and XRD investigations of layered double hydroxides (LDHs) with varying Mg/Fe ratios. <i>Hyperfine Interactions</i> , 2013 , 217, 145-149	0.8	3
66	Preparation, Characterisation and Some Reactions of Organocatalysts Immobilised Between the Layers of a CaFe-Layered Double Hydroxide. <i>Topics in Catalysis</i> , 2012 , 55, 858-864	2-3	8
65	The solubility of Ca(OH) ₂ in extremely concentrated NaOH solutions at 25°C. <i>Open Chemistry</i> , 2012 , 10, 332-337	1.6	3
64	A Possible Nanoreactor: CaFe-Layered Double Hydroxide with Intercalated Cinnamate Derivatives. <i>Materials Science Forum</i> , 2012 , 730-732, 65-70	0.4	1
63	Monometallic Supported Gold Catalysts in Organic Transformations: Ring Making and Ring Breaking. <i>Catalysts</i> , 2012 , 2, 101-120	4	2
62	Mössbauer and XRD investigations of layered double hydroxides (LDHs) with varying Mg/Fe ratios 2012 , 145-149		
61	Synthesis and characterisation of alkaline earth-iron(III) double hydroxides. <i>Chemical Papers</i> , 2011 , 65,	1.9	10
60	Comparison of the liquid and gas phase photocatalytic activity of flame-synthesized TiO ₂ catalysts: the role of surface quality. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2011 , 102, 283-294	1.6	2
59	CH ₂ 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> , 2011 , 993, 259-263	3-4	9
58	A SEM, EDX and XAS characterization of Ba(II)Fe(III) layered double hydroxides. <i>Journal of Molecular Structure</i> , 2011 , 993, 62-66	3-4	10
57	The influence of the local structure of Fe(III) on the photocatalytic activity of doped TiO ₂ photocatalysts: An EXAFS, XPS and Mössbauer spectroscopic study. <i>Applied Catalysis B: Environmental</i> , 2011 , 103, 232-239	21.8	47
56	Covalently grafted, silica gel supported mixed amino acid iron complexes: Syntheses, structural characterization and catalytic testing. <i>Journal of Molecular Structure</i> , 2011 , 993, 203-207	3-4	6
55	Self-assembling of Z-pyridylcinnamic acid molecules over polycrystalline Ag and Au surfaces followed by FT-IR and atomic force microscopies. <i>Journal of Molecular Structure</i> , 2011 , 993, 67-72	3-4	
54	Structure and equilibria of Ca ²⁺ -complexes of glucose and sorbitol from multinuclear (1H, 13C and 43Ca) NMR measurements supplemented with molecular modelling calculations. <i>Journal of Molecular Structure</i> , 2011 , 993, 336-340	3-4	13
53	Synthesis and properties of novel Ba(II)Fe(III) layered double hydroxides. <i>Applied Clay Science</i> , 2010 , 48, 214-217	5-2	23
52	The effect of particle shape on the activity of nanocrystalline TiO ₂ photocatalysts in phenol decomposition. Part 2: The key synthesis parameters influencing the particle shape and activity. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 569-576	21.8	27
51	Quantification of punctate iron sources using magnetic resonance phase. <i>Magnetic Resonance in Medicine</i> , 2010 , 63, 106-15	4-4	34

50	The effect of particle shape on the activity of nanocrystalline TiO ₂ photocatalysts in phenol decomposition. Part 3: The importance of surface quality. <i>Applied Catalysis B: Environmental</i> , 2010 , 96, 577-585	21.8	43
49	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> , 2010 , 345, 1856-64	2.9	30
48	The standard electrode potential of the Sn ⁴⁺ /Sn ²⁺ couple revisited. <i>Monatshefte für Chemie</i> , 2009 , 140, 1293-1303	1.4	17
47	The structure of Al(III) in strongly alkaline aluminate solutions [A review]. <i>Journal of Molecular Liquids</i> , 2009 , 146, 1-14	6	106
46	Comparison of the substrate dependent performance of Pt-, Au- and Ag-doped TiO ₂ photocatalysts in H ₂ -production and in decomposition of various organics. <i>Reaction Kinetics and Catalysis Letters</i> , 2009 , 98, 215-225		53
45	The structure of aqueous sodium hydroxide solutions: a combined solution x-ray diffraction and simulation study. <i>Journal of Chemical Physics</i> , 2008 , 128, 044501	3.9	124
44	The structure of Fe(III) ions in strongly alkaline aqueous solutions from EXAFS and Mössbauer spectroscopy. <i>Dalton Transactions</i> , 2008 , 5603-11	4.3	12
43	Comparison of UV- and UV/VUV-Induced Photolytic and Heterogeneous Photocatalytic Degradation of Phenol, with Particular Emphasis on the Intermediates. <i>Journal of Advanced Oxidation Technologies</i> , 2008 , 11,		1
42	The Structure of Gallium in Strongly Alkaline, Highly Concentrated Gallate Solutions [Raman and ⁷¹ Ga-NMR Spectroscopic Study]. <i>Journal of Solution Chemistry</i> , 2008 , 37, 1411-1418	1.8	18
41	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> , 2008 , 143, 13-16	6	25
40	Low temperature synthesis, characterization and substrate-dependent photocatalytic activity of nanocrystalline TiO ₂ with tailor-made rutile to anatase ratio. <i>Applied Catalysis A: General</i> , 2008 , 340, 153-161	5.1	91
39	Synthesis, structure and photocatalytic properties of Fe(III)-doped TiO ₂ prepared from TiCl ₃ . <i>Applied Catalysis B: Environmental</i> , 2008 , 81, 27-37	21.8	219
38	The effect of particle shape on the activity of nanocrystalline TiO ₂ photocatalysts in phenol decomposition. <i>Applied Catalysis B: Environmental</i> , 2008 , 84, 356-362	21.8	92
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30	Viscosities of concentrated electrolyte solutions. <i>Journal of Molecular Liquids</i> , 2003 , 103-104, 261-273	6	21
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