

# Istvan Palinko

## List of Publications by Citations

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#	Paper	IF	Citations
287	The C-H...Cl hydrogen bond: does it exist?. <i>New Journal of Chemistry</i> , <b>1999</b> , 23, 145-152	3.6	276
286	Preparation and Characterization of Hybrid Organic-Inorganic Composite Materials Using the Amphoteric Property of Amino Acids: Amino Acid Intercalated Layered Double Hydroxide and Montmorillonite. <i>Inorganic Chemistry</i> , <b>1999</b> , 38, 4653-4658	5.1	118
285	Layered double hydroxides and their pillared derivatives – materials for solid base catalysis; synthesis and characterization. <i>Applied Catalysis A: General</i> , <b>1999</b> , 182, 237-247	5.1	56
284	Intercalating amino acid guests into montmorillonite host. <i>Journal of Molecular Structure</i> , <b>2003</b> , 651-653, 335-340	3.4	55
283	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
282	Enumeration of the Conformers of Unbranched Aliphatic Alkanes. <i>Journal of Physical Chemistry A</i> , <b>1998</b> , 102, 7698-7703	2.8	41
281	Speciation study of an imidazolate-bridged copper(II)-zinc(II) complex in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , <b>2005</b> , 99, 1619-29	4.2	35
280	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
279	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
278	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
277	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
276	Application of sulfonic acid functionalized MCM-41 materials – selectivity changes in various probe reactions. <i>Applied Catalysis A: General</i> , <b>2007</b> , 316, 152-159	5.1	30
275	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
274	Hydrogen bonding interactions of benzylidene type Schiff bases studied by vibrational spectroscopic and computational methods. <i>Physical Chemistry Chemical Physics</i> , <b>2003</b> , 5, 2009-2014	3.6	29
273	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
272	A comprehensive study on the dominant formation of the dissolved Ca(OH) <sub>2</sub> (aq) in strongly alkaline solutions saturated by Ca(II). <i>RSC Advances</i> , <b>2016</b> , 6, 45231-45240	3.7	27
271	Superoxide dismutase activity of a Cu/Zn complex – bare and immobilised. <i>New Journal of Chemistry</i> , <b>2005</b> , 29, 740	3.6	27

270	Surface characterization of variously treated Nafion-H, Nafion-H supported on silica and Nafion-H silica nanocomposite catalysts by infrared microscopy. <i>Applied Catalysis A: General</i> , <b>1998</b> , 174, 147-153	5.1	26
269	Sonication assisted gold deposition on multiwall carbon nanotubes. <i>Chemical Physics Letters</i> , <b>2003</b> , 372, 848-852	2.5	26
268	Layered double oxide (LDO) particle containing photoreactive hybrid layers with tunable superhydrophobic and photocatalytic properties. <i>Applied Surface Science</i> , <b>2016</b> , 389, 294-302	6.7	25
267	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
266	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
265	Hydrogen-bonding interactions in the crystalline-phase structures of cinnamic acid derivatives. <i>Acta Crystallographica Section B: Structural Science</i> , <b>1999</b> , 55, 216-220		24
264	Effects of surface modifiers on the liquid-phase hydrogenation of alkenes over silica-supported platinum, palladium and rhodium catalysts I. Quinoline and carbon tetrachloride. <i>Applied Catalysis A: General</i> , <b>1995</b> , 126, 39-49	5.1	24
263	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
262	Mixed-metal pillared layer clays and their pillaring precursors. <i>Journal of the Chemical Society, Faraday Transactions</i> , <b>1997</b> , 93, 1591-1599		23
261	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
260	Positional Isomerization of Dialkyl naphthalenes: A Comprehensive Interpretation of the Selective Formation of 2,6-DIPN over HM Zeolite. <i>Journal of Physical Chemistry A</i> , <b>2001</b> , 105, 6513-6518	2.8	22
259	Using molecular electrostatic potential maps for similarity studies. <i>Topics in Current Chemistry</i> , <b>1995</b> , 45-71		22
258	Calculation of electrostatic potential maps and atomic charges for large molecules. <i>Journal of Chemical Information and Computer Sciences</i> , <b>1993</b> , 33, 296-299		22
257	Hydroxyapatite-enhanced structural, photocatalytic and antibacterial properties of photoreactive TiO <sub>2</sub> /HAp/polyacrylate hybrid thin films. <i>Surface and Coatings Technology</i> , <b>2017</b> , 326, 316-326	4.4	21
256	Hydrogen bonding interactions in substituted cinnamic acid ester derivatives studied by FTIR spectroscopy and calculations. <i>Vibrational Spectroscopy</i> , <b>2000</b> , 22, 63-73	2.1	21
255	Continuous-flow oxidative homocouplings without auxiliary substances: Exploiting a solid base catalyst. <i>Journal of Catalysis</i> , <b>2017</b> , 348, 90-99	7.3	20
254	Quantum algebraic combinatoric study of the conformational properties of n-alkanes. II. <i>Journal of Mathematical Chemistry</i> , <b>2000</b> , 27, 191-199	2.1	20
253	Synthesis of E- and Z-o-Methoxy-Substituted 2,3-Diphenyl Propenoic Acids and Its Methyl Esters. <i>Synthetic Communications</i> , <b>2000</b> , 30, 1543-1553	1.7	20

252	Hydrogen bonding interactions of $\beta$ -phenylcinnamic acid isomers in the liquid phase studied by IR and NMR spectroscopies and computational methods. <i>Journal of Molecular Structure</i> , <b>1995</b> , 348, 57-60	3-4	19
251	Hydrogen Pressure Dependence of the Ring-Opening Reactions of Propylcyclobutane over Pt/SiO <sub>2</sub> Catalyst at Different Temperatures. <i>Journal of Catalysis</i> , <b>1993</b> , 143, 111-121	7-3	19
250	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
249	Spherical LDH-Ag <sup>+</sup> -montmorillonite heterocoagulated system with a pH-dependent sol-gel structure for controlled accessibility of AgNPs immobilized on the clay lamellae. <i>Langmuir</i> , <b>2015</b> , 31, 2019-27	4	18
248	Cationic mixed pillared layer clays: infrared and Mössbauer characteristics of the pillaring agents and pillared structures in Fe,Al and Cr,Al pillared montmorillonites. <i>Journal of Molecular Structure</i> , <b>1997</b> , 410-411, 547-550	3-4	18
247	Amino acids, precursors for cationic and anionic intercalation synthesis and characterization of amino acid pillared materials. <i>Journal of Molecular Structure</i> , <b>1999</b> , 482-483, 33-37	3-4	18
246	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
245	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
244	Synthesis and properties of CaAl-layered double hydroxides of hydrocalumite-type. <i>Chemical Papers</i> , <b>2014</b> , 68,	1-9	17
243	The role of onium salts in the oxidation of hydrocarbons by O <sub>2</sub> catalysed by cationic phase-transfer reagents. <i>Physical Chemistry Chemical Physics</i> , <b>2000</b> , 2, 3801-3805	3-6	17
242	Low- and high-temperature hydrogenative ring-opening of alkyl-substituted cyclopropanes and methyloxirane over Pd/SiO <sub>2</sub> catalyst: detection of H <sub>2</sub> by a chemical method. <i>Journal of Molecular Catalysis</i> , <b>1990</b> , 63, 43-54		17
241	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
240	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
239	Surface Carbonaceous Deposits as Activity and Selectivity Influencing Species in Ring-Opening Reactions of Propylcyclobutane Catalyzed by Pt/SiO <sub>2</sub> . <i>Journal of Catalysis</i> , <b>1994</b> , 145, 295-299	7-3	16
238	Activity, selectivity, and stereochemical features in the copper-catalyzed hydrogenative ring-opening of alkyl-substituted cyclopropanes-nature of active sites. <i>Journal of Catalysis</i> , <b>1990</b> , 121, 396-407	7-3	16
237	Isomerization and Dimerization Reactions of Methyloxirane over Various Types of Zeolite and Zeotype. <i>Journal of Catalysis</i> , <b>2001</b> , 200, 340-344	7-3	15
236	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
235	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

234	Amino Acid-Pillared Layered Double Hydroxide and Montmorillonite Thermal Characteristics. <i>Magyar Árvad Kémia</i> , <b>1999</b> , 56, 317-322	0	14
233	Step towards nanoscale Fe moieties: Intercalation of simple and keggin-type iron-containing ions in-between the layers of Na-montmorillonite. <i>Journal of Physics and Chemistry of Solids</i> , <b>1996</b> , 57, 1067-1072	3.9	14
232	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
231	Catalytic use of layered materials for fine chemical syntheses. <i>Catalysis Science and Technology</i> , <b>2019</b> , 9, 47-60	5.5	13
230	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , <b>2019</b> , 174, 138-145	5.2	13
229	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	4	13
228	Preparation, Characterization and Catalytic Activities of Immobilized Enzyme Mimics. <i>Catalysis Letters</i> , <b>2009</b> , 127, 239-247	2.8	13
227	Structure and equilibria of Ca <sup>2+</sup> -complexes of glucose and sorbitol from multinuclear ( <sup>1</sup> H, <sup>13</sup> C and <sup>43</sup> Ca) NMR measurements supplemented with molecular modelling calculations. <i>Journal of Molecular Structure</i> , <b>2011</b> , 993, 336-340	3.4	13
226	Ab initio studies on the H-bonding of hypoxanthine and DNA bases. <i>New Journal of Chemistry</i> , <b>2002</b> , 26, 1503-1506	3.6	13
225	Hydrogen pressure-dependence in the ring-opening reactions of substituted cyclopropanes over Rh/SiO <sub>2</sub> catalyst. <i>Catalysis Letters</i> , <b>1990</b> , 5, 229-235	2.8	13
224	Effect of Polyelectrolyte Mono- and Bilayer Formation on the Colloidal Stability of Layered Double Hydroxide Nanoparticles. <i>Nanomaterials</i> , <b>2018</b> , 8,	5.4	13
223	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
222	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
221	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> , <b>2013</b> , 1044, 39-45	3.4	12
220	Theoretical characterization of gas-liquid chromatographic stationary phases with quantum chemical descriptors. <i>Journal of Chromatography A</i> , <b>2009</b> , 1216, 2540-7	4.5	12
219	Analysis of permanent electric dipole moments of aliphatic hydrocarbon molecules. <i>Computational and Theoretical Chemistry</i> , <b>1997</b> , 401, 21-27		12
218	Multimerization of Z- $\beta$ -phenylcinnamic acid in solution: analysis via deconvoluted FTIR spectra. <i>Journal of Molecular Structure</i> , <b>1997</b> , 408-409, 325-327	3.4	12
217	Molecular shape, dimensions, and shape selective catalysis. <i>Computational and Theoretical Chemistry</i> , <b>2003</b> , 666-667, 69-77		12

216	Hydrogenative ring-opening reactions of alkyl-substituted cyclopropanes over Pt/SiO <sub>2</sub> catalyst. <i>Journal of Molecular Catalysis</i> , <b>1992</b> , 77, 313-319		12
215	Thermal behaviour of montmorillonite pillared with different metal oxides. <i>Journal of Thermal Analysis</i> , <b>1993</b> , 39, 197-205		12
214	A mineralogically-inspired silver-Bismuth 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
213	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
212	Ring-Opening Reactions of Propylene Oxide (Methyloxirane) over Au/MgO and Unsupported Au Catalysts. <i>Catalysis Letters</i> , <b>2002</b> , 81, 237-240	2.8	11
211	Montmorillonite intercalated Cu(II)-histidine complex: synthesis, characterisation and superoxide dismutase activity. <i>Studies in Surface Science and Catalysis</i> , <b>2005</b> , 1011-1018	1.8	11
210	Hydrogen bonded networks of methoxy-substituted $\beta$ -phenylcinnamic acids studied by spectroscopic and computational methods. <i>Journal of Molecular Structure</i> , <b>2001</b> , 565-566, 463-468	3.4	11
209	The selectivity and activity determining roles of carbonaceous species and metal-metal oxide interface in metal-catalyzed hydrogenation and isomerization reactions. <i>Applied Catalysis A: General</i> , <b>2000</b> , 200, 189-200	5.1	11
208	On the Mechanism of a Modified Perkin Condensation Leading to $\alpha$ -Phenylcinnamic Acid Stereoisomers: Experiments and Molecular Modelling. <i>Monatshefte für Chemie</i> , <b>2000</b> , 131, 1097-1104	1.4	11
207	Surface Fractal Properties of Morphologically Different Sol-Gel Derived Silicates. <i>Chemistry of Materials</i> , <b>2001</b> , 13, 345-349	9.6	11
206	Calculated vs. measured IR characteristics of $\beta$ -phenylcinnamic acid stereoisomers: structural consequences. <i>Journal of Molecular Structure</i> , <b>1999</b> , 482-483, 463-467	3.4	11
205	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
204	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
203	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
202	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
201	Synthesis and characterisation of alkaline earth-iron(III) double hydroxides. <i>Chemical Papers</i> , <b>2011</b> , 65,	1.9	10
200	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
199	Synthesis and spectroscopic and computational characterization of Zn <sub>4</sub> O(alcyclic or aromatic carboxylate) <sub>6</sub> complexes as potential MOF precursors. <i>Inorganic Chemistry</i> , <b>2010</b> , 49, 4620-5	5.1	10

198	Structure-forming properties of 3-furylpropenoic acid derivatives in solution and in the solid state. <i>Journal of Molecular Structure</i> , <b>2003</b> , 651-653, 253-258	3.4	10
197	Effect of heat treatment on amino acid intercalated in montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2005</b> , 79, 533-535	4.1	10
196	Molecular Electrostatics, Energetics, and Dynamics of the Alkylation of Naphthalene: Positional Isomerization of Monoalkylnaphthalenes at Hartree-Fock and Correlated Levels with BSSE Corrections. <i>Journal of Physical Chemistry A</i> , <b>2000</b> , 104, 1337-1345	2.8	10
195	Ring-Opening and Dimerization Reactions of Methyl- and Dimethyloxiranes on HZSM-5 and CuZSM-5 Zeolites. <i>Journal of Catalysis</i> , <b>1999</b> , 188, 385-392	7.3	10
194	Hydrogen pressure dependence in the ring-opening reactions of propylcyclobutane over Pd/SiO <sub>2</sub> catalyst. <i>Catalysis Letters</i> , <b>1995</b> , 31, 421-429	2.8	10
193	Ni-catalyzed ring-opening reactions of alkyl-substituted cyclopropanes; role of unreduced Ni species. <i>Journal of Molecular Catalysis</i> , <b>1991</b> , 68, 237-241		10
192	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
191	Thermal decomposition and reconstruction of CaFe-layered double hydroxide studied by X-ray diffractometry and <sup>57</sup> Fe Mössbauer spectroscopy. <i>Journal of Molecular Structure</i> , <b>2015</b> , 1090, 19-24	3.4	9
190	Speciation and structure of tin(II) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , <b>2014</b> , 43, 17971-9	4.9	9
189	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
188	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
187	Dehydration-rehydration behaviour of layered double hydroxides: a study by X-ray diffractometry and MAS NMR spectroscopy. <i>Journal of Molecular Structure</i> , <b>1997</b> , 410-411, 13-16	3.4	9
186	Ring opening, dimerisation and oligomerisation reactions of methyloxirane on solid acid and base catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2004</b> , 208, 307-311		9
185	Shape-Selective Alkylation of Isopropylnaphthalene over HM Zeolite. A Theoretical Study. <i>Reaction Kinetics and Catalysis Letters</i> , <b>2001</b> , 74, 317-322		9
184	Interactions between solvent molecules and the reduced or unreduced forms of silico-molybdic acid studied by ESR and NMR spectroscopies and molecular modelling. <i>Inorganica Chimica Acta</i> , <b>2000</b> , 298, 77-83	2.7	9
183	The chemical state of Sn in Sn-montmorillonite; A multinuclear MAS NMR and <sup>119</sup> Sn Mössbauer spectroscopic study. <i>Journal of Molecular Structure</i> , <b>1995</b> , 349, 179-182	3.4	9
182	Incorporating SnO <sub>2</sub> .xH <sub>2</sub> O into the Interlayer Spacings of Montmorillonite. <i>Molecular Crystals and Liquid Crystals</i> , <b>1994</b> , 244, 149-154		9
181	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

180	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
179	Estimation of the solubility product of hydrocalumite-hydroxide, a layered double hydroxide with the formula of $[Ca_2Al(OH)_6]OH \cdot nH_2O$ . <i>Journal of Physics and Chemistry of Solids</i> , <b>2016</b> , 98, 167-173	3.9	8
178	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
177	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
176	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
175	CH $\pi$ hydrogen bonds as the organising force in F-substituted $\pi$ -phenyl cinnamic acid aggregates studied by the combination of FTIR spectroscopy and computations. <i>Journal of Molecular Structure</i> , <b>2009</b> , 924-926, 27-31	3.4	8
174	Anchoring copper-amino acid complexes on silica or in montmorillonite—an FT-IR study. <i>Journal of Molecular Structure</i> , <b>2003</b> , 651-653, 109-114	3.4	8
173	Changes in the aggregation patterns of Z-2,3-diphenylpropenoic acid and its methyl ester on substituting the olefinic hydrogen with CF <sub>3</sub> group—an FT-IR study. <i>Journal of Molecular Structure</i> , <b>2005</b> , 744-747, 207-210	3.4	8
172	Protonation and ring closure of stereoisomeric $\beta$ -substituted cinnamic acids in superacidic media studied by <sup>13</sup> C NMR spectroscopy and computations <sup>1</sup> . <i>Journal of the Chemical Society Perkin Transactions II</i> , <b>1998</b> , 379-386		8
171	Synthesis of iron-containing montmorillonite by various methods. Characterization of the intercalants and the behaviour of the intercalated substances in acid-catalyzed reactions. <i>Studies in Surface Science and Catalysis</i> , <b>1995</b> , 94, 63-70	1.8	8
170	On the feasibility of iron or chromium substitution for aluminium in the Al <sub>13</sub> -Keggin ion. <i>Journal of the Chemical Society Chemical Communications</i> , <b>1995</b> , 2269-2270		8
169	Hydrogen pressure dependence in the ring opening of methyloxirane over silica-supported Pd and Rh catalysts: effect of high temperature on ring-opening routes. <i>Journal of Molecular Catalysis A</i> , <b>1996</b> , 104, 261-265		8
168	The role of the carbonaceous overlayer in the competitive hydrogenation of cyclopropanes and olefins. <i>Catalysis Letters</i> , <b>1988</b> , 1, 127-131	2.8	8
167	A colloid chemistry route for the preparation of hierarchically ordered mesoporous layered double hydroxides using surfactants as sacrificial templates. <i>Journal of Colloid and Interface Science</i> , <b>2021</b> , 581, 928-938	9.3	8
166	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
165	Ni-Amino Acid-CaAl-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
164	Effect of fluorine position on the coordinating ability of fluorosalicylic acids—an experimental study complemented with computations. <i>Journal of Inorganic Biochemistry</i> , <b>2011</b> , 105, 75-83	4.2	7
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37	Intermolecular hydrogen bonding interactions between [phenyl] furylcinnamic acid stereoisomers studied by semiempirical quantum chemical method. <i>Computational and Theoretical Chemistry</i> , <b>2003</b> , 620, 37-41		1

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20	Fragmentation of cyclobutane derivatives upon electron impact: transformation pathways elucidated by mass spectrometric methods and semiempirical quantum chemical calculations. <i>Rapid Communications in Mass Spectrometry</i> , <b>1998</b> , 12, 1771-1776	2.2	0
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