

Istvan Palinko

List of Publications by Year in descending order

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papers

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218381

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41
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307
all docs

307
docs citations

307
times ranked

3074
citing authors

#	ARTICLE	IF	CITATIONS
1	The C-H...Cl hydrogen bond: does it exist?. <i>New Journal of Chemistry</i> , 1999, 23, 145-152.	1.4	317
2	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> , 1999, 38, 4653-4658.	1.9	127
3	Layered double hydroxides and their pillared derivatives as materials for solid base catalysis; synthesis and characterization. <i>Applied Catalysis A: General</i> , 1999, 182, 237-247.	2.2	62
4	Intercalating amino acid guests into montmorillonite host. <i>Journal of Molecular Structure</i> , 2003, 651-653, 335-340.	1.8	61
5	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.	10.8	55
6	Enumeration of the Conformers of Unbranched Aliphatic Alkanes. <i>Journal of Physical Chemistry A</i> , 1998, 102, 7698-7703.	1.1	45
7	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.	3.1	42
8	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.	1.7	41
9	Ultrasonically-enhanced mechanochemical synthesis of CaAl-layered double hydroxides intercalated by a variety of inorganic anions. <i>Ultrasonics Sonochemistry</i> , 2016, 31, 409-416.	3.8	39
10	Optimisation of the synthesis parameters of mechanochemically prepared CaAl-layered double hydroxide. <i>Applied Clay Science</i> , 2015, 112-113, 94-99.	2.6	38
11	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.	2.2	38
12	Speciation study of an imidazolate-bridged copper(II)-zinc(II) complex in aqueous solution. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 1619-1629.	1.5	37
13	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.	1.7	37
14	Application of sulfonic acid functionalized MCM-41 materials: Selectivity changes in various probe reactions. <i>Applied Catalysis A: General</i> , 2007, 316, 152-159.	2.2	36
15	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, 1856-1864.	1.1	36
16	Sonication assisted gold deposition on multiwall carbon nanotubes. <i>Chemical Physics Letters</i> , 2003, 372, 848-852.	1.2	33
17	Hydrogen bonding interactions of benzylidene type Schiff bases studied by vibrational spectroscopic and computational methods. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 2009-2014.	1.3	33
18	Multinuclear Complex Formation between Ca(II) and Gluconate Ions in Hyperalkaline Solutions. <i>Environmental Science & Technology</i> , 2014, 48, 6604-6611.	4.6	32

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19	Superoxide dismutase activity of a Cu-Zn complex bare and immobilised. <i>New Journal of Chemistry</i> , 2005, 29, 740.	1.4	31
20	Layered double oxide (LDO) particle containing photoreactive hybrid layers with tunable superhydrophobic and photocatalytic properties. <i>Applied Surface Science</i> , 2016, 389, 294-302.	3.1	30
21	Hydroxyapatite-enhanced structural, photocatalytic and antibacterial properties of photoreactive TiO ₂ /HAp/polyacrylate hybrid thin films. <i>Surface and Coatings Technology</i> , 2017, 326, 316-326.	2.2	30
22	Calculation of electrostatic potential maps and atomic charges for large molecules. <i>Journal of Chemical Information and Computer Sciences</i> , 1993, 33, 296-299.	2.8	28
23	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> , 1998, 174, 147-153.	2.2	28
24	Mechanochemical synthesis and intercalation of Ca(II)Fe(III)-layered double hydroxides. <i>Journal of Solid State Chemistry</i> , 2016, 233, 236-243.	1.4	28
25	Mixed-metal pillared layer clays and their pillaring precursors. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1997, 93, 1591-1599.	1.7	27
26	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> , 2001, 105, 6513-6518.	1.1	27
27	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.	2.6	27
28	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO ₃ ²⁻ , NO ₃ ⁻ , ClO ₄ ⁻). <i>Ultrasonics Sonochemistry</i> , 2018, 40, 853-860.	3.8	27
29	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> , 1995, 126, 39-49.	2.2	26
30	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. <i>Catalysis Today</i> , 2017, 284, 195-201.	2.2	26
31	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> , 2021, 581, 928-938.	5.0	26
32	Using molecular electrostatic potential maps for similarity studies. <i>Topics in Current Chemistry</i> , 1995, , 45-71.	4.0	25
33	Synthesis and properties of novel Ba(II)Fe(III) layered double hydroxides. <i>Applied Clay Science</i> , 2010, 48, 214-217.	2.6	25
34	Hydrogen-bonding interactions in the crystalline-phase structures of cinnamic acid derivatives. <i>Acta Crystallographica Section B: Structural Science</i> , 1999, 55, 216-220.	1.8	24
35	Synthesis and properties of CaAl-layered double hydroxides of hydrocalumite-type. <i>Chemical Papers</i> , 2014, 68, .	1.0	24
36	Continuous-flow oxidative homocouplings without auxiliary substances: Exploiting a solid base catalyst. <i>Journal of Catalysis</i> , 2017, 348, 90-99.	3.1	24

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37	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) hydrocaluminites (M: Al, Sc, V, Cr). <i>TJ ETQq1 1 0.7843142gBT /Over</i>	0.7843142	24
38	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.	9.5	24
39	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.	1.8	23
40	Hydrogen bonding interactions in $\hat{\pm}$ -substituted cinnamic acid ester derivatives studied by FT-IR spectroscopy and calculations. <i>Vibrational Spectroscopy</i> , 2000, 22, 63-73.	1.2	22
41	Synthesis of E- and Z-o-Methoxy-Substituted 2,3-Diphenyl Propenoic Acids and Its Methyl Esters. <i>Synthetic Communications</i> , 2000, 30, 1543-1553.	1.1	22
42	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.	2.2	22
43	Hydrogen Pressure Dependence of the Ring-Opening Reactions of Propylcyclobutane over Pt/SiO ₂ Catalyst at Different Temperatures. <i>Journal of Catalysis</i> , 1993, 143, 111-121.	3.1	21
44	Amino acids, precursors for cationic and anionic intercalation synthesis and characterization of amino acid pillared materials. <i>Journal of Molecular Structure</i> , 1999, 482-483, 33-37.	1.8	21
45	Quantum algebraic-combinatoric study of the conformational properties of n-alkanes. II. <i>Journal of Mathematical Chemistry</i> , 2000, 27, 191-199.	0.7	21
46	Spherical LDH-Ag ⁺ -Montmorillonite Heterocoagulated System with a pH-Dependent Sol-Gel Structure for Controlled Accessibility of AgNPs Immobilized on the Clay Lamellae. <i>Langmuir</i> , 2015, 31, 2019-2027.	1.6	21
47	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , 2019, 174, 138-145.	2.6	21
48	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> , 1990, 121, 396-407.	3.1	20
49	Surface Carbonaceous Deposits as Activity and Selectivity Influencing Species in Ring-Opening Reactions of Propylcyclobutane Catalyzed by Pt/SiO ₂ . <i>Journal of Catalysis</i> , 1994, 145, 295-299.	3.1	20
50	Hydrogen bonding interactions of $\hat{\pm}$ -phenylcinnamic acid isomers in the liquid phase studied by IR and NMR spectroscopies and computational methods. <i>Journal of Molecular Structure</i> , 1995, 348, 57-60.	1.8	20
51	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> , 1997, 410-411, 547-550.	1.8	20
52	The role of onium salts in the oxidation of hydrocarbons by O ₂ catalysed by cationic phase-transfer reagents. <i>Physical Chemistry Chemical Physics</i> , 2000, 2, 3801-3805.	1.3	20
53	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.	2.0	20
54	Low- and high-temperature hydrogenative ring-opening of alkyl-substituted cyclopropanes and methyloxirane over Pd/SiO ₂ catalyst: detection of $\hat{\pm}$ -hydride by a chemical method. <i>Journal of Molecular Catalysis</i> , 1990, 63, 43-54.	1.2	19

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55	Cu(II)-amino acidâ€“CaAl-layered double hydroxide complexes, recyclable, efficient catalysts in various oxidative transformations. <i>Journal of Molecular Catalysis A</i> , 2016, 423, 49-60.	4.8	18
56	Isomerization and Dimerization Reactions of Methyloxirane over Various Types of Zeolite and Zeotype. <i>Journal of Catalysis</i> , 2001, 200, 340-344.	3.1	17
57	Comparison of the Ca ²⁺ complexing properties of isosaccharinate and gluconate â€“ is gluconate a reliable structural and functional model of isosaccharinate?. <i>Dalton Transactions</i> , 2017, 46, 13888-13896.	1.6	17
58	Effect of Polyelectrolyte Mono- and Bilayer Formation on the Colloidal Stability of Layered Double Hydroxide Nanoparticles. <i>Nanomaterials</i> , 2018, 8, 986.	1.9	17
59	Catalytic use of layered materials for fine chemical syntheses. <i>Catalysis Science and Technology</i> , 2019, 9, 47-60.	2.1	17
60	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> , 1996, 57, 1067-1072.	1.9	16
61	The selectivity and activity determining roles of carbonaceous species and metalâ€“metal oxide interface in metal-catalyzed hydrogenation and isomerization reactions. <i>Applied Catalysis A: General</i> , 2000, 200, 189-200.	2.2	16
62	Molecular shape, dimensions, and shape selective catalysis. <i>Computational and Theoretical Chemistry</i> , 2003, 666-667, 69-77.	1.5	16
63	Water Types and Their Relaxation Behavior in Partially Rehydrated CaFe-Mixed Binary Oxide Obtained from CaFe-Layered Double Hydroxide in the 155â€“298 K Temperature Range. <i>Langmuir</i> , 2013, 29, 13315-13321.	1.6	16
64	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.	3.8	16
65	A mineralogically-inspired silverâ€“bismuth hybrid material: an efficient heterogeneous catalyst for the direct synthesis of nitriles from terminal alkynes. <i>Green Chemistry</i> , 2018, 20, 1007-1019.	4.6	16
66	Analysis of permanent electric dipole moments of aliphatic hydrocarbon molecules. <i>Computational and Theoretical Chemistry</i> , 1997, 401, 21-27.	1.5	15
67	Preparation, Characterization and Catalytic Activities of Immobilized Enzyme Mimics. <i>Catalysis Letters</i> , 2009, 127, 239-247.	1.4	15
68	Multinuclear complex formation in aqueous solutions of Ca(ii) and heptagluconate ions. <i>Dalton Transactions</i> , 2013, 42, 8460.	1.6	15
69	Speciation and structure of tin(ⁱⁱ) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 17971-17979.	1.6	15
70	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.	2.6	15
71	Hydrogen pressure-dependence in the ring-opening reactions of substituted cyclopropanes over Rh/SiO ₂ catalyst. <i>Catalysis Letters</i> , 1990, 5, 229-235.	1.4	14
72	Hydrogenative ring-opening reactions of alkyl-substituted cyclopropanes over Pt/SiO ₂ catalyst. <i>Journal of Molecular Catalysis</i> , 1992, 77, 313-319.	1.2	14

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73	Amino Acid-Pillared Layered Double Hydroxide and Montmorillonite Thermal Characteristics. Magyar Árvad Közlemények, 1999, 56, 317-322.	1.4	14
74	Structure and equilibria of Ca ²⁺ -complexes of glucose and sorbitol from multinuclear (1H, 13C and 17O) NMR. Journal of Molecular Structure, 2011, 993, 336-340.	1.8	14
75	Formation of mono- and binuclear neodymium(III)-gluconate complexes in aqueous solutions in the pH range of 2-8. Dalton Transactions, 2017, 46, 6049-6058.	1.6	14
76	On the Mechanism of a Modified Perkin Condensation Leading to α -Phenylcinnamic Acid Stereoisomers: Experiments and Molecular Modelling. Monatshefte für Chemie, 2000, 131, 1097-1104.	0.9	13
77	Molecular Electrostatics, Energetics, and Dynamics of the Alkylation of Naphthalene: Positional Isomerization of Monoalkylnaphthalenes at Hartree-Fock and Correlated Levels with BSSE Corrections. Journal of Physical Chemistry A, 2000, 104, 1337-1345.	1.1	13
78	Ab initio studies on the H-bonding of hypoxanthine and DNA bases. New Journal of Chemistry, 2002, 26, 1503-1506.	1.4	13
79	The catalytic epoxidation of 2-cyclohexen-1-one over uncalcined layered double hydroxides using various solvents. Catalysis Today, 2015, 241, 231-236.	2.2	13
80	Ni-catalyzed ring-opening reactions of alkyl-substituted cyclopropanes; role of unreduced Ni species. Journal of Molecular Catalysis, 1991, 68, 237-241.	1.2	12
81	Thermal behaviour of montmorillonite pillared with different metal oxides. Journal of Thermal Analysis, 1993, 39, 197-205.	0.7	12
82	The chemical state of Sn in Sn-montmorillonite; A multinuclear MAS NMR and 119Sn Mössbauer spectroscopic study. Journal of Molecular Structure, 1995, 349, 179-182.	1.8	12
83	Hydrogen pressure dependence in the ring-opening reactions of propylcyclobutane over Pd/SiO ₂ catalyst. Catalysis Letters, 1995, 31, 421-429.	1.4	12
84	Multimerization of Z- β -phenylcinnamic acid in solution: analysis via deconvoluted FTIR spectra. Journal of Molecular Structure, 1997, 408-409, 325-327.	1.8	12
85	Calculated vs. measured IR characteristics of β -phenylcinnamic acid stereoisomers: structural consequences. Journal of Molecular Structure, 1999, 482-483, 463-467.	1.8	12
86	Ring-Opening and Dimerization Reactions of Methyl- and Dimethyloxiranes on HZSM-5 and CuZSM-5 Zeolites. Journal of Catalysis, 1999, 188, 385-392.	3.1	12
87	Surface Fractal Properties of Morphologically Different Sol-Gel Derived Silicates. Chemistry of Materials, 2001, 13, 345-349.	3.2	12
88	Hydrogen bonded networks of methoxy-substituted β -phenylcinnamic acids studied by spectroscopic and computational methods. Journal of Molecular Structure, 2001, 565-566, 463-468.	1.8	12
89	Ring-Opening Reactions of Propylene Oxide (Methyloxirane) over Au/MgO and Unsupported Au Catalysts. Catalysis Letters, 2002, 81, 237-240.	1.4	12
90	Theoretical characterization of gas-liquid chromatographic stationary phases with quantum chemical descriptors. Journal of Chromatography A, 2009, 1216, 2540-2547.	1.8	12

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91	Complexation of Al(III) with gluconate in alkaline to hyperalkaline solutions: formation, stability and structure. Dalton Transactions, 2013, 42, 13470.	1.6	12
92	Superoxide dismutase inspired Fe(III)-amino acid complexes covalently grafted onto chloropropylated silica gel – Syntheses, structural characterisation and catalytic activity. Journal of Molecular Structure, 2013, 1044, 39-45.	1.8	12
93	ML and ML ₂ complex formation between Ca(II) and D-glucose derivatives in aqueous solutions. Dalton Transactions, 2017, 46, 1065-1074.	1.6	12
94	Effects of ultrasonic irradiation on the synthesis, crystallization, thermal and dissolution behaviour of chloride-intercalated, co-precipitated CaFe-layered double hydroxide. Ultrasonics Sonochemistry, 2019, 55, 165-173.	3.8	12
95	Ultrasound-Assisted Hydrazine Reduction Method for the Preparation of Nickel Nanoparticles, Physicochemical Characterization and Catalytic Application in Suzuki-Miyaura Cross-Coupling Reaction. Nanomaterials, 2020, 10, 632.	1.9	12
96	Transformations of Cyclohexene over Silica-Supported Copper in the Presence of Deuterium. Journal of Catalysis, 1997, 167, 215-223.	3.1	11
97	Shape-Selective Alkylation of Isopropyl-naphthalene over HM Zeolite. A Theoretical Study. Reaction Kinetics and Catalysis Letters, 2001, 74, 317-322.	0.6	11
98	Montmorillonite intercalated Cu(II)-histidine complex – synthesis, characterisation and superoxide dismutase activity. Studies in Surface Science and Catalysis, 2005, , 1011-1018.	1.5	11
99	A SEM, EDX and XAS characterization of Ba(II)Fe(III) layered double hydroxides. Journal of Molecular Structure, 2011, 993, 62-66.	1.8	11
100	Rehydration of dehydrated CaFe-L(ayered)D(ouble)H(ydroxide) followed by thermogravimetry, X-ray diffractometry and dielectric relaxation spectroscopy. Journal of Molecular Structure, 2013, 1044, 26-31.	1.8	11
101	Thermal decomposition and reconstruction of CaFe-layered double hydroxide studied by X-ray diffractometry and ⁵⁷ Fe Mössbauer spectroscopy. Journal of Molecular Structure, 2015, 1090, 19-24.	1.8	11
102	Estimation of the solubility product of hydrocalumite – hydroxide, a layered double hydroxide with the formula of [Ca ₂ Al(OH) ₆]OH·nH ₂ O. Journal of Physics and Chemistry of Solids, 2016, 98, 167-173.	1.9	11
103	Delaminating and restacking MgAl-layered double hydroxide monitored and characterized by a range of instrumental methods. Journal of Molecular Structure, 2017, 1140, 77-82.	1.8	11
104	Incorporating SnO ₂ ·xH ₂ O into the Interlayer Spacings of Montmorillonite. Molecular Crystals and Liquid Crystals, 1994, 244, 149-154.	0.3	10
105	On the feasibility of iron or chromium substitution for aluminium in the Al ₁₃ -Keggin ion. Journal of the Chemical Society Chemical Communications, 1995, , 2269-2270.	2.0	10
106	Transformations of Cyclohexene Oxide over Silica-Supported Cu, Pd, and Rh Catalysts in H ₂ /D ₂ Atmosphere. Journal of Catalysis, 1999, 181, 28-36.	3.1	10
107	Structure-forming properties of 3-furylpropenoic acid derivatives in solution and in the solid state. Journal of Molecular Structure, 2003, 651-653, 253-258.	1.8	10
108	Ring opening, dimerisation and oligomerisation reactions of methyloxirane on solid acid and base catalysts. Journal of Molecular Catalysis A, 2004, 208, 307-311.	4.8	10

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109	Effect of heat treatment on amino acid intercalated in montmorillonite. <i>Journal of Thermal Analysis and Calorimetry</i> , 2005, 79, 533-535.	2.0	10
110	Preparation of 3-substituted and 2,3-disubstituted-4,4,4-trifluoro-2-butenic acidsâ€”Perkin condensation of activated aromatic ketones. <i>Journal of Fluorine Chemistry</i> , 2006, 127, 850-853.	0.9	10
111	CHâ€¦F hydrogen bonds as the organising force in F-substituted Î±-phenyl cinnamic acid aggregates studied by the combination of FTIR spectroscopy and computations. <i>Journal of Molecular Structure</i> , 2009, 924-926, 27-31.	1.8	10
112	Synthesis and Spectroscopic and Computational Characterization of Zn₄O(Alicyclic or Tj ETQqO O 0 rgBT /Overlock 10 TF 5 2010, 49, 4620-4625.	1.9	10
113	Synthesis and characterisation of alkaline earth-iron(III) double hydroxides. <i>Chemical Papers</i> , 2011, 65, .	1.0	10
114	Speciation and the structure of lead(<sc>ii</sc>) in hyper-alkaline aqueous solution. <i>Dalton Transactions</i> , 2014, 43, 17539-17543.	1.6	10
115	Using low-frequency IR spectra for the unambiguous identification of metal ionâ€”ligand coordination sites in purpose-built complexes. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2014, 122, 257-259.	2.0	10
116	Syntheses, characterization and catalytic activities of CaAl-layered double hydroxide intercalated Fe(III)-amino acid complexes. <i>Catalysis Today</i> , 2018, 306, 42-50.	2.2	10
117	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.	1.1	10
118	The role of the carbonaceous overlayer in the competitive hydrogenation of cyclopropanes and olefins. <i>Catalysis Letters</i> , 1988, 1, 127-131.	1.4	9
119	Ring enlargement and aromatization of propylcyclobutane over silica-supported Pt, Pd and Rh in hydrogen atmosphere. <i>Journal of Molecular Catalysis</i> , 1994, 91, 61-69.	1.2	9
120	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> , 1995, 94, 63-70.	1.5	9
121	Hydrogen Pressure Dependence in the Ring-Opening Reactions of Substituted Cyclobutanes over Rh/SiO ₂ Catalyst at Various Temperatures. <i>Journal of Catalysis</i> , 1996, 159, 500-503.	3.1	9
122	Dehydration-rehydration behaviour of layered double hydroxides: a study by X-ray diffractometry and MAS NMR spectroscopy. <i>Journal of Molecular Structure</i> , 1997, 410-411, 13-16.	1.8	9
123	Protonation and ring closure of stereoisomeric Î±-substituted cinnamic acids in superacidic media studied by ¹³ C NMR spectroscopy and computationsâ€”S1. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998, , 379-386.	0.9	9
124	Dehydrationâ€”rehydration characteristics of Nafion-H, Nafion-H supported on silica and Nafion-H silica nanocomposite catalysts studied by Infrared Microscopy. <i>Journal of Molecular Structure</i> , 1999, 482-483, 29-32.	1.8	9
125	Interactions between solvent molecules and the reduced or unreduced forms of silico-molybdc acid studied by ESR and NMR spectroscopies and molecular modelling. <i>Inorganica Chimica Acta</i> , 2000, 298, 77-83.	1.2	9
126	Characterization and catalytic activity of Niâ€”Al and Znâ€”Cr mixed oxides obtained from layered double hydroxides. <i>Solid State Ionics</i> , 2001, 141-142, 259-263.	1.3	9

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127	Changes in the aggregation patterns of Z-2,3-diphenylpropenoic acid and its methyl ester on substituting the olefinic hydrogen with CF ₃ group—an FT-IR study. <i>Journal of Molecular Structure</i> , 2005, 744-747, 207-210.	1.8	9
128	Superoxide dismutase mimicking Cu(II)–mixed amino acid complexes covalently grafted onto silica gel—an FT-IR study. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 549-555.	1.9	9
129	CH ^δ -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.	1.8	9
130	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.	1.6	9
131	Ball Milling of Copper Powder Under Dry and Surfactant-Assisted Conditions—On the Way Towards Cu ₂ O Nanocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 389-394.	0.9	9
132	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.	0.8	9
133	Ring-opening of alkyl-substituted cyclopropanes in the presence of hydrogen on copper. <i>Journal of the Chemical Society Chemical Communications</i> , 1987, , 953-954.	2.0	8
134	Surface properties of fumed silica (Cab-O-Sil) and Cab-O-Sil-supported Pt and Cu catalysts, studied by infrared spectroscopy. <i>Journal of Molecular Structure</i> , 1993, 293, 273-278.	1.8	8
135	Synthesis of layered double hydroxides and their reactivities in 1-butene isomerization after calcination. <i>Reaction Kinetics and Catalysis Letters</i> , 1996, 59, 47-52.	0.6	8
136	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> , 1996, 104, 261-265.	4.8	8
137	Anchoring copper–amino acid complexes on silica or in montmorillonite—an FT-IR study. <i>Journal of Molecular Structure</i> , 2003, 651-653, 109-114.	1.8	8
138	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.	1.3	8
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