

Gábor Varga

List of Publications by Year in descending order

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papers

570
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623188

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53
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times ranked

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#	ARTICLE	IF	CITATIONS
1	Complexity of a Co_3O_4 System under Ambient-Pressure CO_2 Methanation: Influence of Bulk and Surface Properties on the Catalytic Performance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 7130-7141.	1.5	43
2	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
3	Ambient pressure CO_2 hydrogenation over a cobalt/manganese-oxide nanostructured interface: A combined in situ and ex situ study. <i>Journal of Catalysis</i> , 2020, 386, 70-80.	3.1	34
4	Electrospun Scaffolds in Periodontal Wound Healing. <i>Polymers</i> , 2021, 13, 307.	2.0	29
5	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
6	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
7	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
8	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
9	Self-Assembly of Protamine Biomacromolecule on Halloysite Nanotubes for Immobilization of Superoxide Dismutase Enzyme. <i>ACS Applied Bio Materials</i> , 2020, 3, 522-530.	2.3	24
10	Green and selective toluene oxidation – Knoevenagel-condensation domino reaction over Ce- and Bi-based CeBi mixed oxide mixtures. <i>Journal of Catalysis</i> , 2020, 381, 308-315.	3.1	24
11	Nature of the Pt-Cobalt-Oxide surface interaction and its role in the CO_2 Methanation. <i>Applied Surface Science</i> , 2022, 571, 151326.	3.1	23
12	Pomegranate peel as a new low-cost adsorbent for ammonium removal. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 711-722.	1.8	22
13	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.	4.8	18
14	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.	4.6	16
15	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.	1.8	12
16	Interaction Studies Between Levodopa and Different Excipients to Develop Coground Binary Mixtures for Intranasal Application. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 2552-2560.	1.6	12
17	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, 632.	1.9	12
18	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, 257-259.	2.0	10

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19	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
20	Aggregation of Halloysite Nanotubes in the Presence of Multivalent Ions and Ionic Liquids. <i>Langmuir</i> , 2021, 37, 11869-11879.	1.6	10
21	Sol-Gel Synthesis of Ceria-Zirconia-Based High-Entropy Oxides as High-Promotion Catalysts for the Synthesis of 1,2-Diketones from Aldehyde. <i>Molecules</i> , 2021, 26, 6115.	1.7	9
22	Ni-Amino Acidâ€“CaAl-Layered Double Hydroxide Composites: Construction, Characterization and Catalytic Properties in Oxidative Transformations. <i>Topics in Catalysis</i> , 2017, 60, 1429-1438.	1.3	7
23	$\tilde{\text{I}}^2$ -Isocupreidineâ€“CaAl-layered double hydroxide compositesâ€“heterogenized catalysts for asymmetric Michael addition. <i>Molecular Catalysis</i> , 2020, 482, 110675.	1.0	7
24	Layered double alkoxides a novel group of layered double hydroxides without water content. <i>Materials Research Letters</i> , 2020, 8, 68-74.	4.1	7
25	Exploiting a silverâ€“bismuth hybrid material as heterogeneous noble metal catalyst for decarboxylations and decarboxylative deuterations of carboxylic acids under batch and continuous flow conditions. <i>Green Chemistry</i> , 2021, 23, 4685-4696.	4.6	7
26	Nesting Well-Defined Pt Nanoparticles within a Hierarchically Porous Polymer as a Heterogeneous Suzukiâ€“Miyaura Catalyst. <i>ACS Applied Nano Materials</i> , 2021, 4, 4070-4076.	2.4	7
27	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.	0.9	6
28	Morphological aspects determine the catalytic activity of porous hydrocalumites: the role of the sacrificial templates. <i>Materials Today Chemistry</i> , 2022, 23, 100682.	1.7	6
29	Self-assembly of delaminated layered double hydroxide nanosheets for the recovery of lamellar structure. <i>Colloids and Interface Science Communications</i> , 2022, 46, 100564.	2.0	6
30	Nanoclay-based sensor composites for the facile detection of molecular antioxidants. <i>Analyst, The</i> , 2022, 147, 1367-1374.	1.7	6
31	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.	2.2	5
32	Co(II)-amino acidâ€“CaAl-layered double hydroxide compositesâ€“Construction and characterization. <i>Journal of Molecular Structure</i> , 2019, 1179, 263-268.	1.8	5
33	Copper-Loaded Layered Bismuth Subcarbonateâ€“Efficient Multifunctional Heterogeneous Catalyst for Concerted Câ€“S/Câ€“N Heterocyclization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42650-42661.	4.0	5
34	Polymorph Selection of Zeolitic Imidazolate Frameworks via Kinetic and Thermodynamic Control. <i>Crystal Growth and Design</i> , 2022, 22, 4268-4276.	1.4	5
35	Cu(II)Cr(III)-LDH: synthesis, characterization, intercalation properties and a catalytic application. <i>Chemical Papers</i> , 2018, 72, 897-902.	1.0	4
36	Building, characterising and catalytic activity testing of Coâ€“C-protected amino acid complexes covalently grafted onto chloropropylated silica gel. <i>Journal of Molecular Structure</i> , 2015, 1090, 138-143.	1.8	3

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37	A mineralogically-inspired silver–bismuth hybrid material: Structure, stability and application for catalytic benzyl alcohol dehydrogenations under continuous flow conditions. <i>Molecular Catalysis</i> , 2020, 498, 111263.	1.0	3
38	CuIbIOI is an efficient novel catalyst in Ullmann-type CN couplings with wide scope–A rare non-photocatalytic application. <i>Molecular Catalysis</i> , 2020, 493, 111072.	1.0	3
39	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.	1.8	3
40	Superoxide dismutase mimicking nanocomposites based on immobilization of metal complexes on nanotubular carriers. <i>Journal of Molecular Structure</i> , 2022, 1256, 132492.	1.8	3
41	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.	0.8	2
42	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.	0.8	2
43	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> , 2022, 346, 117047.	2.3	2
44	Niacin and niacin-pillared layered double hydroxides–Novel organocatalysts based on pyridine. <i>Journal of Molecular Structure</i> , 2022, 1261, 132868.	1.8	2
45	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.	1.8	2
46	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.	1.3	1
47	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.	1.0	1
48	Esterification reactions with acetate- or benzoate-containing CaAl-layered double hydroxide samples. <i>Journal of Molecular Structure</i> , 2019, 1186, 303-306.	1.8	1
49	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.	1.4	1
50	Oxidation of Cysteinate Anions Immobilized in the Interlamellar Space of CaAl-Layered Double Hydroxide. <i>Materials</i> , 2021, 14, 1202.	1.3	1
51	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.	4.8	0
52	Bioinspired covalently grafted Cu(II)–C protected amino acid complexes: selective catalysts in the epoxidation of cyclohexene. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2015, 115, 33-43.	0.8	0
53	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.	1.8	0