

Gábor Varga

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

570
citations

623734

14
h-index

713466

21
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53
all docs

53
docs citations

53
times ranked

606
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	4.9	2
2	Nature of the Pt-Cobalt-Oxide surface interaction and its role in the CO ₂ Methanation. <i>Applied Surface Science</i> , 2022, 571, 151326.	6.1	23
3	Morphological aspects determine the catalytic activity of porous hydrocalumites: the role of the sacrificial templates. <i>Materials Today Chemistry</i> , 2022, 23, 100682.	3.5	6
4	Self-assembly of delaminated layered double hydroxide nanosheets for the recovery of lamellar structure. <i>Colloids and Interface Science Communications</i> , 2022, 46, 100564.	4.1	6
5	Superoxide dismutase mimicking nanocomposites based on immobilization of metal complexes on nanotubular carriers. <i>Journal of Molecular Structure</i> , 2022, 1256, 132492.	3.6	3
6	Nanoclay-based sensor composites for the facile detection of molecular antioxidants. <i>Analyst</i> , The, 2022, 147, 1367-1374.	3.5	6
7	Niacin and niacin-pillared layered double hydroxides – Novel organocatalysts based on pyridine. <i>Journal of Molecular Structure</i> , 2022, 1261, 132868.	3.6	2
8	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.	3.6	2
9	Polymorph Selection of Zeolitic Imidazolate Frameworks via Kinetic and Thermodynamic Control. <i>Crystal Growth and Design</i> , 2022, 22, 4268-4276.	3.0	5
10	Pomegranate peel as a new low-cost adsorbent for ammonium removal. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 711-722.	3.5	22
11	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.	9.4	26
12	Exploiting a silver–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.	9.0	7
13	Complexity of a Co ₃ O 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.	3.1	43
14	Oxidation of Cysteinate Anions Immobilized in the Interlamellar Space of CaAl-Layered Double Hydroxide. <i>Materials</i> , 2021, 14, 1202.	2.9	1
15	Nesting Well-Defined Pt Nanoparticles within a Hierarchically Porous Polymer as a Heterogeneous Suzuki–Miyaura Catalyst. <i>ACS Applied Nano Materials</i> , 2021, 4, 4070-4076.	5.0	7
16	Copper-Loaded Layered Bismuth Subcarbonate – Efficient Multifunctional Heterogeneous Catalyst for Concerted S/C–N Heterocyclization. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 42650-42661.	8.0	5
17	Electrospun Scaffolds in Periodontal Wound Healing. <i>Polymers</i> , 2021, 13, 307.	4.5	29
18	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.	3.8	9

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19	Aggregation of Halloysite Nanotubes in the Presence of Multivalent Ions and Ionic Liquids. <i>Langmuir</i> , 2021, 37, 11869-11879.	3.5	10
20	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.	1.9	6
21	β -IsocupreidineâCaAl-layered double hydroxide compositesâheterogenized catalysts for asymmetric Michael addition. <i>Molecular Catalysis</i> , 2020, 482, 110675.	2.0	7
22	Self-Assembly of Protamine Biomacromolecule on Halloysite Nanotubes for Immobilization of Superoxide Dismutase Enzyme. <i>ACS Applied Bio Materials</i> , 2020, 3, 522-530.	4.6	24
23	Layered double alkoxides a novel group of layered double hydroxides without water content. <i>Materials Research Letters</i> , 2020, 8, 68-74.	8.7	7
24	Green and selective toluene oxidationâKnoevenagel-condensation domino reaction over Ce- and Bi-based CeBi mixed oxide mixtures. <i>Journal of Catalysis</i> , 2020, 381, 308-315.	6.2	24
25	A mineralogically-inspired silverâbismuth hybrid material: Structure, stability and application for catalytic benzyl alcohol dehydrogenations under continuous flow conditions. <i>Molecular Catalysis</i> , 2020, 498, 111263.	2.0	3
26	CuIbIOI is an efficient novel catalyst in Ullmann-type CN couplings with wide scopeâA rare non-photocatalytic application. <i>Molecular Catalysis</i> , 2020, 493, 111072.	2.0	3
27	Structural insight into the photoinduced EâZ isomerisation of cinnamate embedded in ZnAl and MgAl layered double hydroxides. <i>Journal of Molecular Structure</i> , 2020, 1219, 128561.	3.6	3
28	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.	4.1	12
29	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.	6.2	34
30	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.	3.3	12
31	Esterification reactions with acetate- or benzoate-containing CaAl-layered double hydroxide samples. <i>Journal of Molecular Structure</i> , 2019, 1186, 303-306.	3.6	1
32	Placing Ni(II) Ions in Various Positions In/On Layered Double Hydroxides: Synthesis, Characterization and Testing in CâC Coupling Reactions. <i>Catalysis Letters</i> , 2019, 149, 2899-2905.	2.6	1
33	Co(II)-amino acidâCaAl-layered double hydroxide compositesâConstruction and characterization. <i>Journal of Molecular Structure</i> , 2019, 1179, 263-268.	3.6	5
34	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.	3.6	0
35	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.	9.0	16
36	Syntheses, characterization and catalytic activities of CaAl-layered double hydroxide intercalated Fe(III)-amino acid complexes. <i>Catalysis Today</i> , 2018, 306, 42-50.	4.4	10

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37	Cu(II)Cr(III)-LDH: synthesis, characterization, intercalation properties and a catalytic application. Chemical Papers, 2018, 72, 897-902.	2.2	4
38	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO ₃ ²⁻ , NO ₃ ⁻ , ClO ₄ ⁻). Ultrasonics Sonochemistry, 2018, 40, 853-860.	8.2	27
39	Borate-containing layered double hydroxide composites: synthesis, characterization and application as catalysts in the Beckmann rearrangement reaction of cyclohexanone oxime. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 241-254.	1.7	2
40	Mn(II)-containing layered double hydroxide composites: synthesis, characterization and an application in Ullmann diaryl etherification. Reaction Kinetics, Mechanisms and Catalysis, 2017, 121, 175-184.	1.7	2
41	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. Catalysis Today, 2017, 284, 195-201.	4.4	26
42	Ni-Amino Acidâ€“CaAl-Layered Double Hydroxide Composites: Construction, Characterization and Catalytic Properties in Oxidative Transformations. Topics in Catalysis, 2017, 60, 1429-1438.	2.8	7
43	Thionation of a cyanoxime derivative to form the sulphur-containing derivative, a novel ligand for complexation with transitional metal ions. Structural Chemistry, 2017, 28, 475-478.	2.0	1
44	Cu(II)-amino acidâ€“CaAl-layered double hydroxide complexes, recyclable, efficient catalysts in various oxidative transformations. Journal of Molecular Catalysis A, 2016, 423, 49-60.	4.8	18
45	Mn(II)-â€“amino acid complexes intercalated in CaAl-layered double hydroxide â€“ Well-characterized, highly efficient, recyclable oxidation catalysts. Journal of Catalysis, 2016, 335, 125-134.	6.2	42
46	Mechanochemical synthesis and intercalation of Ca(II)Fe(III)-layered double hydroxides. Journal of Solid State Chemistry, 2016, 233, 236-243.	2.9	28
47	Fe-amino acid complexes immobilized on silica gel as active and highly selective catalysts in cyclohexene epoxidation. Research on Chemical Intermediates, 2015, 41, 9155-9169.	2.7	1
48	Building, characterising and catalytic activity testing of Coâ€“C-protected amino acid complexes covalently grafted onto chloropropylated silica gel. Journal of Molecular Structure, 2015, 1090, 138-143.	3.6	3
49	Bioinspired covalently grafted Cu(II)-â€“C protected amino acid complexes: selective catalysts in the epoxidation of cyclohexene. Reaction Kinetics, Mechanisms and Catalysis, 2015, 115, 33-43.	1.7	0
50	Synthesis, structural characterisation, and catalytic activity of Mn(II)-â€“protected amino acid complexes covalently immobilised on chloropropylated silica gel. Catalysis Today, 2015, 241, 264-269.	4.4	5
51	Superoxide dismutase inspired immobilised Ni(II)-â€“protected amino acid catalystsâ€“Synthesis, characterisation, and catalytic activity. Journal of Molecular Catalysis A, 2014, 395, 93-99.	4.8	0
52	Using low-frequency IR spectra for the unambiguous identification of metal ionâ€“ligand coordination sites in purpose-built complexes. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2014, 122, 257-259.	3.9	10
53	Superoxide dismutase inspired Fe(III)-â€“amino acid complexes covalently grafted onto chloropropylated silica gel â€“ Syntheses, structural characterisation and catalytic activity. Journal of Molecular Structure, 2013, 1044, 39-45.	3.6	12