ZoltÃ¡n KÃ³nya

List of Publications by Year
in descending order

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553	13,621	28736	48101
papers	citations	57 h-index	92 g-index

563	563	563	18050
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Photocatalytic CO2 Reduction. Green Chemistry and Sustainable Technology, 2022, , 605-646.	0.4	2
2	Nature of the Pt-Cobalt-Oxide surface interaction and its role in the CO2 Methanation. Applied Surface Science, 2022, 571, 151326.	3.1	23
3	Morphological aspects determine the catalytic activity of porous hydrocalumites: the role of the sacrificial templates. Materials Today Chemistry, 2022, 23, 100682.	1.7	6
4	Optimalization of ceramic-based noble metal-free catalysts for CO oxidation reactions. Reaction Kinetics, Mechanisms and Catalysis, 2022, 135, 575-587.	0.8	2
5	EDTA analogues â€“ unconventional inhibitors of gypsum precipitation. Journal of Molecular Structure, 2022, 1256, 132491.	1.8	3
6	Pharmaceutical Development and Design of Thermosensitive Liposomes Based on the QbD Approach. Molecules, 2022, 27, 1536.	1.7	3
7	Effect of Excess B in Ni₂P-Coated Boron Nitride on the Photocatalytic Hydrogen Evolution from Water Splitting. ACS Applied Energy Materials, 2022, 5, 3578-3586.	2.5	17
8	Mechanochemical preparation of NiCuSn nanoparticles and composites in presence of cetyltrimethylammonium bromide (CTAB) and the catalytic application of the products in homocoupling and hydration of terminal alkynes. Journal of Molecular Structure, 2022, 1262, 132948.	1.8	2
9	Efficient charge separation and improved photocatalytic activity in Type-II & Type-III heterojunction based multiple interfaces in BiOCl0.5Br0.5-Q: DFT and Experimental Insight. Chemosphere, 2022, 297, 134122.	4.2	6
10	Exfoliation of black phosphorus in isopropanol-water cosolvents. Journal of Molecular Structure, 2022, 1260, 132862.	1.8	2
11	Preparation and characterization of MnIn-layered double hydroxides (LDHs), extension of the synthesis to fabricate MnM(III)-LDHs (MÂ=ÃAl, Sc, Cr, Fe, Ga), and the comparison of their photocatalytic and catalytic activities in the oxidation of hydroquinone. Journal of Molecular Structure, 2022, 1261, 132966.	1.8	4
12	Niacin and niacin-pillared layered double hydroxidesâ€"Novel organocatalysts based on pyridine. Journal of Molecular Structure, 2022, 1261, 132868.	1.8	2
13	Microscopic and structural study on the formation of mechanochemical synthesized BaTiO3 and ZnTiO3 perovskites. Resolution and Discovery, 2022, , .	0.9	0
14	Dependence of Photocatalytic Activity on the Morphology of Strontium Titanates. Catalysts, 2022, 12, 523.	1.6	7
15	Investigation of the adsorption properties of cyclic C6 molecules on h-BN/Rh(111) surface, efforts to cover the boron nitride nanomesh by graphene. Surfaces and Interfaces, 2022, , 102034.	1.5	2
16	Preparation of TiO2â€“MoO3 composite nanofibers by water-based electrospinning process and their application in photocatalysis. Materials Science in Semiconductor Processing, 2022, 147, 106699.	1.9	12
17	Mechanochemically induced solid-state CO2 capture during the synthesis of SnO2 nanoparticles. Journal of Physics and Chemistry of Solids, 2022, 167, 110775.	1.9	1
18	A round dance of acetaldehyde molecular ensembles on Rh(111) surface; formation and decomposition of various paraldehyde conformers. Journal of Molecular Structure, 2022, , 133311.	1.8	0

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19	Epigallocatechine-3-gallate Inhibits the Adipogenesis of Human Mesenchymal Stem Cells via the Regulation of Protein Phosphatase-2A and Myosin Phosphatase. Cells, 2022, 11, 1704.	1.8	2
20	Palladium Decorated N-Doped Carbon Foam as a Highly Active and Selective Catalyst for Nitrobenzene Hydrogenation. International Journal of Molecular Sciences, 2022, 23, 6423.	1.8	6
21	Interfacial charge separation of nickel phosphide anchored on anatase-hematite heterojunction for stimulating visible light driven hydrogen generation. International Journal of Hydrogen Energy, 2022, 47, 23593-23607.	3.8	8
22	Conversion Study on the Formation of Mechanochemically Synthesized BaTiO3. Chemistry, 2022, 4, 592-602.	0.9	1
23	Interfacial Ni active sites strike solid solutional counterpart in CO2 hydrogenation. Environmental Technology and Innovation, 2022, 27, 102747.	3.0	9
24	Thermal Conductivity Enhancement of Atomic Layer Deposition Surface-Modified Carbon Nanosphere and Carbon Nanopowder Nanofluids. Nanomaterials, 2022, 12, 2226.	1.9	3
25	Turning CO2 to CH4 and CO over CeO2 and MCF-17 supported Pt, Ru and Rh nanoclusters â€“ Influence of nanostructure morphology, supporting materials and operating conditions. Fuel, 2022, 326, 124994.	3.4	6
26	Mechanochemical synthesis of the NiSn, CuSn bimetallic and NiCuSn trimetallic nanocomposites using various types of additives. Journal of Solid State Chemistry, 2021, 293, 121756.	1.4	3
27	A colloid chemistry route for the preparation of hierarchically ordered mesoporous layered double hydroxides using surfactants as sacrificial templates. Journal of Colloid and Interface Science, 2021, 581, 928-938.	5.0	26
28	Nitric oxide signalling in plant nanobiology: current status and perspectives. Journal of Experimental Botany, 2021, 72, 928-940.	2.4	13
29	Long-term effect of graphene oxide on the aerobic granular sludge wastewater treatment process. Journal of Environmental Chemical Engineering, 2021, 9, 104853.	3.3	12
30	Synthesis of iron oxide nanoparticles for DNA purification. Journal of Dispersion Science and Technology, 2021, 42, 693-700.	1.3	12
31	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. Green Chemistry, 2021, 23, 4685-4696.	4.6	7
32	Optimization of the functionalization method of titanate nanotubes in order to use them as drug delivery systems. , 2021, , .		0
33	Metallic Nanoparticles in Heterogeneous Catalysis. Catalysis Letters, 2021, 151, 2153.	1.4	50
34	Binder-Free Construction of a Methanol Tolerant Pt/TiO2/Carbon Paper Anode by Atomic Layer Deposition. Catalysts, 2021, 11, 154.	1.6	3
35	Preparation of TiO2/WO3/C/N Composite Nanofibers by Electrospinning Using Precursors Soluble in Water and Their Photocatalytic Activity in Visible Light. Nanomaterials, 2021, 11, 351.	1.9	4
36	Green Silver and Gold Nanoparticles: Biological Synthesis Approaches and Potentials for Biomedical Applications. Molecules, 2021, 26, 844.	1.7	142

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37	Specific Ion Effects on Aggregation and Charging Properties of Boron Nitride Nanospheres. Langmuir, 2021, 37, 2466-2475.	1.6	17
38	Complexity of a Co₃O₄ System under Ambient-Pressure CO₂ Methanation: Influence of Bulk and Surface Properties on the Catalytic Performance. Journal of Physical Chemistry C, 2021, 125, 7130-7141.	1.5	43
39	Composites of ion-in-conjugation polysquaraine and SWCNTs for the detection of H₂S and NH₃ at ppb concentrations. Nanotechnology, 2021, 32, 185502.	1.3	7
40	Raman Spectral Signatures of Serum-Derived Extracellular Vesicle-Enriched Isolates May Support the Diagnosis of CNS Tumors. Cancers, 2021, 13, 1407.	1.7	10
41	Surface Engineering of CeO2 Catalysts: Differences Between Solid Solution Based and Interfacially Designed Ce1â¯xMxO2 and MO/CeO2 (Mâ€‰=â€‰Zn, Mn) in CO2 Hydrogenation Reaction. Catalysis Letters, 2021, 151, 3477-3491.	2.1	22
42	The dissolution kinetics of raw and mechanochemically treated kaolinites in industrial spent liquor â€“ The effect of the physico-chemical properties of the solids. Applied Clay Science, 2021, 203, 105994.	2.6	6
43	Quality-by-Design-Based Development of n-Propyl-Gallate-Loaded Hyaluronic-Acid-Coated Liposomes for Intranasal Administration. Molecules, 2021, 26, 1429.	1.7	16
44	Oxidation of Cysteinate Anions Immobilized in the Interlamellar Space of CaAl-Layered Double Hydroxide. Materials, 2021, 14, 1202.	1.3	1
45	Stability of Boron Nitride Nanosphere Dispersions in the Presence of Polyelectrolytes. Langmuir, 2021, 37, 5399-5407.	1.6	2
46	Are Smaller Nanoparticles Always Better? Understanding the Biological Effect of Size-Dependent Silver Nanoparticle Aggregation Under Biorelevant Conditions. International Journal of Nanomedicine, 2021, Volume 16, 3021-3040.	3.3	62
47	Nesting Well-Defined Pt Nanoparticles within a Hierarchically Porous Polymer as a Heterogeneous Suzukiâ€“Miyaura Catalyst. ACS Applied Nano Materials, 2021, 4, 4070-4076.	2.4	7
48	Evaluation of the permeability and in vitro cytotoxicity of functionalized titanate nanotubes on Caco-2 cell line. Acta Pharmaceutica Hungarica, 2021, 91, 31-39.	0.2	2
49	Damage-tolerant 3D-printed ceramics via conformal coating. Science Advances, 2021, 7, .	4.7	32
50	An Updated Risk Assessment as Part of the QbD-Based Liposome Design and Development. Pharmaceutics, 2021, 13, 1071.	2.0	11
51	Role of active metals Cu, Co, and Ni on ceria towards CO2 thermo-catalytic hydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2021, 133, 699-711.	0.8	2
52	Development of a Hydrophobicity-Controlled Delivery System Containing Levodopa Methyl Ester Hydrochloride Loaded into a Mesoporous Silica. Pharmaceutics, 2021, 13, 1039.	2.0	3
53	Microcystin-LR, a cyanobacterial toxin affects root development by changing levels of PIN proteins and auxin response in Arabidopsis roots. Chemosphere, 2021, 276, 130183.	4.2	6
54	Removing low levels of Cd(II) and Pb(II) by adsorption on two types of oxidized multiwalled carbon nanotubes. Journal of Environmental Chemical Engineering, 2021, 9, 105402.	3.3	36

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55	Manipulating the crystallization kinetics and morphology of gypsum, CaSO4Â·2H2O via addition of citrate at high levels of supersaturation and the effect of high salinity. Polyhedron, 2021, 204, 115253.	1.0	5
56	Fast and accurate lacunarity calculation for large 3D micro-CT datasets. Acta Materialia, 2021, 214, 116970.	3.8	15
57	M(II)Al4 Type Layered Double Hydroxidesâ€"Preparation Using Mechanochemical Route, Structural Characterization and Catalytic Application. Materials, 2021, 14, 4880.	1.3	5
58	Three-dimensional printing of complex graphite structures. Carbon, 2021, 181, 260-269.	5.4	10
59	Polyvinyl-Pyrrolidone-Coated Silver Nanoparticlesâ€"The Colloidal, Chemical, and Biological Consequences of Steric Stabilization under Biorelevant Conditions. International Journal of Molecular Sciences, 2021, 22, 8673.	1.8	25
60	Copper-Loaded Layered Bismuth Subcarbonateâ€"Efficient Multifunctional Heterogeneous Catalyst for Concerted Câ€“S/Câ€“N Heterocyclization. ACS Applied Materials & Interfaces, 2021, 13, 42650-42661.	4.0	5
61	Chaetomium and Chaetomium-like Species from European Indoor Environments Include Dichotomopilus finlandicus sp. nov.. Pathogens, 2021, 10, 1133.	1.2	9
62	Nanoremediation: Tiny Objects Solving Huge Environmental Problems. Recent Patents on Nanotechnology, 2021, 15, 245-255.	0.7	1
63	Investigation of the efficiency of BiOI/BiOCl composite photocatalysts using UV, cool and warm white LED light sources - Photon efficiency, toxicity, reusability, matrix effect, and energy consumption. Chemosphere, 2021, 280, 130636.	4.2	19
64	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. Applied Clay Science, 2021, 212, 106233.	2.6	15
65	Combustion method combined with sonochemical step for synthesis of maghemite-supported catalysts for the hydrogenation of 2,4-dinitrotoluene. Catalysis Communications, 2021, 159, 106342.	1.6	6
66	Development of dexamethasone-loaded mixed polymeric micelles for nasal delivery. European Journal of Pharmaceutical Sciences, 2021, 166, 105960.	1.9	21
67	Size controlled Pt over mesoporous NiO nanocomposite catalysts: thermal catalysis vs. photocatalysis. Journal of Porous Materials, 2021, 28, 605-615.	1.3	2
68	Bioplastics and Carbon-Based Sustainable Materials, Components, and Devices: Toward Green Electronics. ACS Applied Materials & Interfaces, 2021, 13, 49301-49312.	4.0	27
69	Optimization of layering technique and secondary structure analysis during the formulation of nanoparticles containing lysozyme by quality by design approach. PLoS ONE, 2021, 16, e0260603.	1.1	4
70	The Role of Electronegative and Electropositive Modifiers in the Adsorption and Decomposition of Acetaldehyde on Rh(111) Surface. , 2021, 6, .		0
71	In Vitro Comparative Study of Solid Lipid and PLGA Nanoparticles Designed to Facilitate Nose-to-Brain Delivery of Insulin. International Journal of Molecular Sciences, 2021, 22, 13258.	1.8	21
72	Sonochemical Deposition of Palladium Nanoparticles Onto the Surface of N-Doped Carbon Nanotubes: A Simplified One-Step Catalyst Production Method. Catalysis Letters, 2020, 150, 505-513.	1.4	7

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73	Fast optical method for characterizing plasmonic nanoparticle adhesion on functionalized surfaces. Analytical and Bioanalytical Chemistry, 2020, 412, 3395-3404.	1.9	2
74	Luminescence and color properties of Ho3+ co-activated Sr4Al14O25: Eu2+, Dy3+ phosphors. Journal of Luminescence, 2020, 220, 116980.	1.5	3
75	Chronic responses of aerobic granules to the presence of graphene oxide in sequencing batch reactors. Journal of Hazardous Materials, 2020, 389, 121905.	6.5	21
76	Î²-Isocupreidinateâ€'CaAl-layered double hydroxide compositesâ€"heterogenized catalysts for asymmetric Michael addition. Molecular Catalysis, 2020, 482, 110675.	1.0	7
77	Layered double alkoxides a novel group of layered double hydroxides without water content. Materials Research Letters, 2020, 8, 68-74.	4.1	7
78	Niâ€"Znâ€"Al-Based Oxide/Spinel Nanostructures for High Performance, Methane-Selective CO2 Hydrogenation Reactions. Catalysis Letters, 2020, 150, 1527-1536.	1.4	11
79	Preparation of sulfur hydrophobized plasmonic photocatalyst towards durable superhydrophobic coating material. Journal of Materials Science and Technology, 2020, 41, 159-167.	5.6	8
80	Green and selective toluene oxidationâ€"Knoevenagel-condensation domino reaction over Ce- and Bi-based CeBi mixed oxide mixtures. Journal of Catalysis, 2020, 381, 308-315.	3.1	24
81	On the effects of milling and thermal regeneration on the luminescence properties of Eu2+ and Dy3+ doped strontium aluminate phosphors. Journal of Luminescence, 2020, 219, 116917.	1.5	29
82	Squalenoylated Nanoparticle Pro-Drugs of Adjuvant Antitumor 11Î±-Hydroxyecdysteroid 2,3-Acetonides Act as Cytoprotective Agents Against Doxorubicin and Paclitaxel. Frontiers in Pharmacology, 2020, 11, 552088.	1.6	3
83	Mechanochemical and wet chemical syntheses of CaIn-layered double hydroxide and its performance in a transesterification reaction compared to those of other Ca2M(III) hydrocalumites (M: Al, Sc, V, Cr,) Tj ETQq1 1 0.784314 rgBT /Over	3.7	24
84	ZnO nanoparticles induce cell wall remodeling and modify ROS/ RNS signalling in roots of Brassica seedlings. Ecotoxicology and Environmental Safety, 2020, 206, 111158.	2.9	34
85	Phosphorus-loaded alumina supported nickel catalysts for CO2 hydrogenation: Ni2P/Ni5P12 drives activity. Molecular Catalysis, 2020, 494, 111113.	1.0	2
86	Electric and Photocatalytic Properties of Graphene Oxide Depending on the Degree of Its Reduction. Nanomaterials, 2020, 10, 2313.	1.9	5
87	A mineralogically-inspired silverâ€"bismuth hybrid material: Structure, stability and application for catalytic benzyl alcohol dehydrogenations under continuous flow conditions. Molecular Catalysis, 2020, 498, 111263.	1.0	3
88	Quality by Design Based Formulation Study of Meloxicam-Loaded Polymeric Micelles for Intranasal Administration. Pharmaceutics, 2020, 12, 697.	2.0	36
89	The Structure and Thermal Properties of Solid Ternary Compounds Forming with Ca2+, Al3+ and Heptagluconate Ions. Molecules, 2020, 25, 4715.	1.7	1
90	Presence of Titanium and Toxic Effects Observed in Rat Lungs, Kidneys, and Central Nervous System in vivo and in Cultured Astrocytes in vitro on Exposure by Titanium Dioxide Nanorods . International Journal of Nanomedicine, 2020, Volume 15, 9939-9960.	3.3	12

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91	Dangling-to-Interstitial Oxygen Transition and Its Modifications of the Electronic Structure in Few-Layer Phosphorene. Journal of Physical Chemistry C, 2020, 124, 24066-24072.	1.5	8
92	Differential Precipitation of Mg(OH)2 from CaSO4Â·2H2O Using Citrate as Inhibitorâ€"A Promising Concept for Reagent Recovery from MgSO4 Waste Streams. Molecules, 2020, 25, 5012.	1.7	6
93	Cuâ€"Fe Incorporated Graphene-Oxide Nanocomposite as Highly Efficient Catalyst in the Degradation of Dichlorodiphenyltrichloroethane (DDT) from Aqueous Solution. Topics in Catalysis, 2020, 63, 1314-1324.	1.3	13
94	Grid-type transparent conductive thin films of carbon nanotubes as capacitive touch sensors. Nanotechnology, 2020, 31, 305303.	1.3	11
95	Temperatureâ€Dependent Electrical Transport Properties of Singleâ€Walled Carbon Nanotube Thin Films Prepared by Electrohydrodynamic Atomization Technique. Physica Status Solidi (A) Applications and Materials Science, 2020, 217, 2000029.	0.8	1
96	CuIBiOI is an efficient novel catalyst in Ullmann-type CN couplings with wide scopeâ€"A rare non-photocatalyic application. Molecular Catalysis, 2020, 493, 111072.	1.0	3
97	Cost-effective ion-tuning of Birnessite structures for efficient ORR electrocatalysts. International Journal of Hydrogen Energy, 2020, 45, 16266-16276.	3.8	7
98	The Potassium-Induced Decomposition Pathway of HCOOH on Rh(111). Catalysts, 2020, 10, 675.	1.6	9
99	Adsorption of Azobenzene on Hexagonal Boron Nitride Nanomesh Supported by Rh(111). Journal of Physical Chemistry C, 2020, 124, 14182-14194.	1.5	6
100	One-pot mechanochemical ball milling synthesis of the MnO_x nanostructures as efficient catalysts for CO₂ hydrogenation reactions. Physical Chemistry Chemical Physics, 2020, 22, 13999-14012.	1.3	15
101	Use of carbon paste electrode and modified by gold nanoparticles for selected macrolide antibiotics determination as standard and in pharmaceutical preparations. Journal of Electroanalytical Chemistry, 2020, 873, 114324.	1.9	14
102	Efficient visible-light piezophototronic activity of ZnO-Ag8S hybrid for degradation of organic dye molecule. Journal of Physics and Chemistry of Solids, 2020, 143, 109473.	1.9	16
103	Rh-induced Support Transformation and Rh Incorporation in Titanate Structures and Their Influence on Catalytic Activity. Catalysts, 2020, 10, 212.	1.6	10
104	Nitro-oxidative signalling induced by chemically synthetized zinc oxide nanoparticles (ZnO NPs) in Brassica species. Chemosphere, 2020, 251, 126419.	4.2	43
105	Porosity determination of nano- and sub-micron particles by single particle inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2020, 35, 1139-1147.	1.6	18
106	Comparing the Adsorption Performance of Multiwalled Carbon Nanotubes Oxidized by Varying Degrees for Removal of Low Levels of Copper, Nickel and Chromium(VI) from Aqueous Solutions. Water (Switzerland), 2020, 12, 723.	1.2	30
107	Role of BrÃ¸nsted and Lewis acidic sites in sulfonated Zr-MCM-41 for the catalytic reaction of cellulose into 5-hydroxymethyl furfural. Reaction Kinetics, Mechanisms and Catalysis, 2020, 130, 825-836.	0.8	14
108	Microcomputed tomographyâ€"based characterization of advanced materials: a review. Materials Today Advances, 2020, 8, 100084.	2.5	64

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109	Size-dependent activity of silver nanoparticles on the morphological switch and biofilm formation of opportunistic pathogenic yeasts. BMC Microbiology, 2020, 20, 176.	1.3	24
110	Sulfur nanoparticles transform montmorillonite into an inorganic surfactant applicable in thermoplastics processing. Polymer Testing, 2020, 85, 106419.	2.3	3
111	Catalytic activity of maghemite supported palladium catalyst in nitrobenzene hydrogenation. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 107-116.	0.8	10
112	Coreâ€“shell nanoparticles suppress metastasis and modify the tumour-supportive activity of cancer-associated fibroblasts. Journal of Nanobiotechnology, 2020, 18, 18.	4.2	37
113	Selective transformation of ethanol to acetaldehyde catalyzed by Au/h-BN interface prepared on Rh(111) surface. Applied Catalysis A: General, 2020, 592, 117440.	2.2	10
114	Synergistic Radiosensitization by Gold Nanoparticles and the Histone Deacetylase Inhibitor SAHA in 2D and 3D Cancer Cell Cultures. Nanomaterials, 2020, 10, 158.	1.9	17
115	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
116	Ambient pressure CO2 hydrogenation over a cobalt/manganese-oxide nanostructured interface: A combined in situ and ex situ study. Journal of Catalysis, 2020, 386, 70-80.	3.1	34
117	Nitrogen doped carbon aerogel composites with TiO₂ and ZnO prepared by atomic layer deposition. Journal of Materials Chemistry C, 2020, 8, 6891-6899.	2.7	10
118	Nature inspired solidâ€“liquid phase amphibious adhesive. Soft Matter, 2020, 16, 5854-5860.	1.2	3
119	The use of functionalized titanate nanotubes as drug delivery systems. , 2020, , .		0
120	Rapid, trace-level direct cathodic voltammetric determination of dopamine by oxidized multiwalled carbon nanotubeâ€“modified carbon paste electrode in selected samples of pharmaceutical importance. Ionics, 2019, 25, 6093-6106.	1.2	11
121	Optimization of the Production Process and Product Quality of Titanate Nanotubeâ€“Drug Composites. Nanomaterials, 2019, 9, 1406.	1.9	3
122	Inhibition of protein phosphatase-1 and -2A by ellagitannins: structure-inhibitory potency relationships and influences on cellular systems. Journal of Enzyme Inhibition and Medicinal Chemistry, 2019, 34, 500-509.	2.5	5
123	Endoplasmic reticulum stress: major player in size-dependent inhibition of P-glycoprotein by silver nanoparticles in multidrug-resistant breast cancer cells. Journal of Nanobiotechnology, 2019, 17, 9.	4.2	52
124	Silver nanoparticles: aggregation behavior in biorelevant conditions and its impact on biological activity . International Journal of Nanomedicine, 2019, Volume 14, 667-687.	3.3	128
125	Synergetic of Pt Nanoparticles and H-ZSM-5 Zeolites for Efficient CO2 Activation: Role of Interfacial Sites in High Activity. Frontiers in Materials, 2019, 6, .	1.2	26
126	Noble-metal-free and Pt nanoparticles-loaded, mesoporous oxides as efficient catalysts for CO2 hydrogenation and dry reforming with methane. Journal of CO2 Utilization, 2019, 32, 106-118.	3.3	39

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127	Influencing the texture and morphological properties of layered double hydroxides with the most diluted solvent mixtures â€“ The effect of 6â€“8 carbon alcohols and temperature. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2019, 574, 146-153.	2.3	4
128	Green synthesis and in situ immobilization of gold nanoparticles and their application for the reduction of p-nitrophenol in continuous-flow mode. RSC Advances, 2019, 9, 9193-9197.	1.7	9
129	Beyond Nanoparticles: The Role of Sub-nanosized Metal Species in Heterogeneous Catalysis. Catalysis Letters, 2019, 149, 1441.	1.4	15
130	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
131	Dissection of the regulatory role for the N-terminal domain in Candida albicans protein phosphatase Z1. PLoS ONE, 2019, 14, e0211426.	1.1	8
132	Placing Ni(II) Ions in Various Positions In/On Layered Double Hydroxides: Synthesis, Characterization and Testing in Câ€“C Coupling Reactions. Catalysis Letters, 2019, 149, 2899-2905.	1.4	1
133	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. Applied Clay Science, 2019, 174, 138-145.	2.6	21
134	Lâ€Selectin Expression is Influenced by Phosphatase Activity in Chronic Lymphocytic Leukemia. Cytometry Part B - Clinical Cytometry, 2019, 96, 149-157.	0.7	7
135	Ultrasonically-assisted mechanochemical synthesis of zinc aluminate spinel from aluminium-rich layered double hydroxide. Journal of Solid State Chemistry, 2019, 272, 227-233.	1.4	8
136	Aging Impairs Cerebrovascular Reactivity at Preserved Resting Cerebral Arteriolar Tone and Vascular Density in the Laboratory Rat. Frontiers in Aging Neuroscience, 2019, 11, 301.	1.7	12
137	Novel route to synthesize CaAl- and MgAl-layered double hydroxides with highly regular morphology. Journal of Sol-Gel Science and Technology, 2019, 89, 844-851.	1.1	10
138	Mechanochemically modified hydrazine reduction method for the synthesis of nickel nanoparticles and their catalytic activities in the Suzukiâ€“Miyaura cross-coupling reaction. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 857-868.	0.8	8
139	Designed Pt Promoted 3D Mesoporous Co3O4 Catalyst in CO2 Hydrogenation. Journal of Nanoscience and Nanotechnology, 2019, 19, 436-441.	0.9	5
140	Gold Size Effect in the Thermal-Induced Reaction of CO₂ and H₂ on Titania- and Titanate Nanotube-Supported Gold Catalysts. Journal of Nanoscience and Nanotechnology, 2019, 19, 470-477.	0.9	13
141	Size-Dependent H₂ Sensing Over Supported Pt Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 459-464.	0.9	2
142	Co(II)-amino acidâ€“CaAl-layered double hydroxide compositesÂâ€“ÂConstruction and characterization. Journal of Molecular Structure, 2019, 1179, 263-268.	1.8	5
143	Electrical and Photoelectrical Characteristics of Ñ•Si/Porousâ€“Si/CdS Heterojunctions. Russian Physics Journal, 2019, 61, 1660-1666.	0.2	11
144	Effects of medium and nickel salt source in the synthesis and catalytic performance of nano-sized nickel in the Suzuki-Miyaura cross-coupling reaction. Reaction Kinetics, Mechanisms and Catalysis, 2019, 126, 841-855.	0.8	1

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145	Trace level voltammetric determination of Zn(II) in selected nutrition related samples by bismuth-oxychloride-multiwalled carbon nanotube composite based electrode. Microchemical Journal, 2019, 146, 178-186.	2.3	17
146	The aggregation behaviour of 2H-imidazole-2-thione derivatives in solution, the solid state and over polycrystalline gold surface. Journal of Molecular Structure, 2019, 1180, 26-30.	1.8	0
147	Noble-Metal-Free Iron Nitride/Nitrogen-Doped Graphene Composite for the Oxygen Reduction Reaction. ACS Omega, 2019, 4, 130-139.	1.6	29
148	Outstanding Activity and Selectivity of Controlled Size Pt Nanoparticles Over WO₃ Nanowires in Ethanol Decomposition Reaction. Journal of Nanoscience and Nanotechnology, 2019, 19, 478-483.	0.9	6
149	Preparation of photocatalytic thin films with composition dependent wetting properties and self-healing ability. Catalysis Today, 2019, 328, 85-90.	2.2	13
150	Amperometric Determination of Glucose in White Grape and in Tablets as Ingredient by Screen-Printed Electrode Modified with Glucose Oxidase and Composite of Platinum and Multiwalled Carbon Nanotubes. Food Analytical Methods, 2019, 12, 570-580.	1.3	13
151	Ball Milling of Copper Powder Under Dry and Surfactant-Assisted Conditionsâ€"On the Way Towards Cu/Cu₂O Nanocatalyst. Journal of Nanoscience and Nanotechnology, 2019, 19, 389-394.	0.9	9
152	Effect of Particle Restructuring During Reduction Processes Over Polydopamine-Supported Pd Nanoparticles. Journal of Nanoscience and Nanotechnology, 2019, 19, 484-491.	0.9	6
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