

# Zoltan Kanya

## List of Publications by Year in descending order

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Version: 2024-02-01

553  
papers

13,621  
citations

23567

58  
h-index

42399

92  
g-index

563  
all docs

563  
docs citations

563  
times ranked

16068  
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic CO <sub>2</sub> Reduction. <i>Green Chemistry and Sustainable Technology</i> , 2022, , 605-646.	0.7	2
2	Nature of the Pt-Cobalt-Oxide surface interaction and its role in the CO <sub>2</sub> 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	Optimization of ceramic-based noble metal-free catalysts for CO oxidation reactions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 575-587.	1.7	2
5	EDTA analogues – unconventional inhibitors of gypsum precipitation. <i>Journal of Molecular Structure</i> , 2022, 1256, 132491.	3.6	3
6	Pharmaceutical Development and Design of Thermosensitive Liposomes Based on the QbD Approach. <i>Molecules</i> , 2022, 27, 1536.	3.8	3
7	Effect of Excess B in Ni <sub>2</sub> P-Coated Boron Nitride on the Photocatalytic Hydrogen Evolution from Water Splitting. <i>ACS Applied Energy Materials</i> , 2022, 5, 3578-3586.	5.1	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. <i>Journal of Molecular Structure</i> , 2022, 1262, 132948.	3.6	2
9	Efficient charge separation and improved photocatalytic activity in Type-II & Type-III heterojunction based multiple interfaces in BiOCl <sub>0.5</sub> Br <sub>0.5</sub> Q: DFT and Experimental Insight. <i>Chemosphere</i> , 2022, 297, 134122.	8.2	6
10	Exfoliation of black phosphorus in isopropanol-water cosolvents. <i>Journal of Molecular Structure</i> , 2022, 1260, 132862.	3.6	2
11	Preparation and characterization of MnIn-layered double hydroxides (LDHs), extension of the synthesis to fabricate MnM(III)-LDHs (M=Al, Sc, Cr, Fe, Ga), and the comparison of their photocatalytic and catalytic activities in the oxidation of hydroquinone. <i>Journal of Molecular Structure</i> , 2022, 1261, 132966.	3.6	4
12	Niacin and niacin-pillared layered double hydroxides – Novel organocatalysts based on pyridine. <i>Journal of Molecular Structure</i> , 2022, 1261, 132868.	3.6	2
13	Microscopic and structural study on the formation of mechanochemical synthesized BaTiO <sub>3</sub> and ZnTiO <sub>3</sub> perovskites. <i>Resolution and Discovery</i> , 2022, , .	0.4	0
14	Dependence of Photocatalytic Activity on the Morphology of Strontium Titanates. <i>Catalysts</i> , 2022, 12, 523.	3.5	7
15	Investigation of the adsorption properties of cyclic C <sub>6</sub> molecules on h-BN/Rh(111) surface, efforts to cover the boron nitride nanomesh by graphene. <i>Surfaces and Interfaces</i> , 2022, , 102034.	3.0	2
16	Preparation of TiO <sub>2</sub> @MoO <sub>3</sub> composite nanofibers by water-based electrospinning process and their application in photocatalysis. <i>Materials Science in Semiconductor Processing</i> , 2022, 147, 106699.	4.0	12
17	Mechanochemically induced solid-state CO <sub>2</sub> capture during the synthesis of SnO <sub>2</sub> nanoparticles. <i>Journal of Physics and Chemistry of Solids</i> , 2022, 167, 110775.	4.0	1
18	A round dance of acetaldehyde molecular ensembles on Rh(111) surface; formation and decomposition of various paraldehyde conformers. <i>Journal of Molecular Structure</i> , 2022, , 133311.	3.6	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. <i>Cells</i> , 2022, 11, 1704.	4.1	2
20	Palladium Decorated N-Doped Carbon Foam as a Highly Active and Selective Catalyst for Nitrobenzene Hydrogenation. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6423.	4.1	6
21	Interfacial charge separation of nickel phosphide anchored on anatase-hematite heterojunction for stimulating visible light driven hydrogen generation. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 23593-23607.	7.1	8
22	Conversion Study on the Formation of Mechanochemically Synthesized BaTiO <sub>3</sub> . <i>Chemistry</i> , 2022, 4, 592-602.	2.2	1
23	Interfacial Ni active sites strike solid solution counterpart in CO <sub>2</sub> hydrogenation. <i>Environmental Technology and Innovation</i> , 2022, 27, 102747.	6.1	9
24	Thermal Conductivity Enhancement of Atomic Layer Deposition Surface-Modified Carbon Nanosphere and Carbon Nanopowder Nanofluids. <i>Nanomaterials</i> , 2022, 12, 2226.	4.1	3
25	Turning CO <sub>2</sub> to CH <sub>4</sub> and CO over CeO <sub>2</sub> and MCF-17 supported Pt, Ru and Rh nanoclusters – Influence of nanostructure morphology, supporting materials and operating conditions. <i>Fuel</i> , 2022, 326, 124994.	6.4	6
26	Mechanochemical synthesis of the NiSn, CuSn bimetallic and NiCuSn trimetallic nanocomposites using various types of additives. <i>Journal of Solid State Chemistry</i> , 2021, 293, 121756.	2.9	3
27	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
28	Nitric oxide signalling in plant nanobiology: current status and perspectives. <i>Journal of Experimental Botany</i> , 2021, 72, 928-940.	4.8	13
29	Long-term effect of graphene oxide on the aerobic granular sludge wastewater treatment process. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 104853.	6.7	12
30	Synthesis of iron oxide nanoparticles for DNA purification. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 693-700.	2.4	12
31	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
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. <i>Catalysis Letters</i> , 2021, 151, 2153.	2.6	50
34	Binder-Free Construction of a Methanol Tolerant Pt/TiO <sub>2</sub> /Carbon Paper Anode by Atomic Layer Deposition. <i>Catalysts</i> , 2021, 11, 154.	3.5	3
35	Preparation of TiO <sub>2</sub> /WO <sub>3</sub> /C/N Composite Nanofibers by Electrospinning Using Precursors Soluble in Water and Their Photocatalytic Activity in Visible Light. <i>Nanomaterials</i> , 2021, 11, 351.	4.1	4
36	Green Silver and Gold Nanoparticles: Biological Synthesis Approaches and Potentials for Biomedical Applications. <i>Molecules</i> , 2021, 26, 844.	3.8	142

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37	Specific Ion Effects on Aggregation and Charging Properties of Boron Nitride Nanospheres. <i>Langmuir</i> , 2021, 37, 2466-2475.	3.5	17
38	Complexity of a $\text{Co}_3\text{O}_4$ System under Ambient-Pressure $\text{CO}_2$ 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
39	Composites of ion-in-conjugation polysquaraine and SWCNTs for the detection of $\text{H}_2\text{S}$ and $\text{NH}_3$ at ppb concentrations. <i>Nanotechnology</i> , 2021, 32, 185502.	2.6	7
40	Raman Spectral Signatures of Serum-Derived Extracellular Vesicle-Enriched Isolates May Support the Diagnosis of CNS Tumors. <i>Cancers</i> , 2021, 13, 1407.	3.7	10
41	Surface Engineering of $\text{CeO}_2$ Catalysts: Differences Between Solid Solution Based and Interfacially Designed $\text{Ce}_{1-x}\text{M}_x\text{O}_2$ ( $\text{M} = \text{Zn, Mn}$ ) in $\text{CO}_2$ Hydrogenation Reaction. <i>Catalysis Letters</i> , 2021, 151, 3477-3491.		22
42	The dissolution kinetics of raw and mechanochemically treated kaolinites in industrial spent liquor – The effect of the physico-chemical properties of the solids. <i>Applied Clay Science</i> , 2021, 203, 105994.	5.2	6
43	Quality-by-Design-Based Development of n-Propyl-Gallate-Loaded Hyaluronic-Acid-Coated Liposomes for Intranasal Administration. <i>Molecules</i> , 2021, 26, 1429.	3.8	16
44	Oxidation of Cysteinate Anions Immobilized in the Interlamellar Space of $\text{CaAl}$ -Layered Double Hydroxide. <i>Materials</i> , 2021, 14, 1202.	2.9	1
45	Stability of Boron Nitride Nanosphere Dispersions in the Presence of Polyelectrolytes. <i>Langmuir</i> , 2021, 37, 5399-5407.	3.5	2
46	Are Smaller Nanoparticles Always Better? Understanding the Biological Effect of Size-Dependent Silver Nanoparticle Aggregation Under Biorelevant Conditions. <i>International Journal of Nanomedicine</i> , 2021, Volume 16, 3021-3040.	6.7	62
47	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
48	Evaluation of the permeability and in vitro cytotoxicity of functionalized titanate nanotubes on Caco-2 cell line. <i>Acta Pharmaceutica Hungarica</i> , 2021, 91, 31-39.	0.1	2
49	Damage-tolerant 3D-printed ceramics via conformal coating. <i>Science Advances</i> , 2021, 7, .	10.3	32
50	An Updated Risk Assessment as Part of the QbD-Based Liposome Design and Development. <i>Pharmaceutics</i> , 2021, 13, 1071.	4.5	11
51	Role of active metals Cu, Co, and Ni on ceria towards $\text{CO}_2$ thermo-catalytic hydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 699-711.	1.7	2
52	Development of a Hydrophobicity-Controlled Delivery System Containing Levodopa Methyl Ester Hydrochloride Loaded into a Mesoporous Silica. <i>Pharmaceutics</i> , 2021, 13, 1039.	4.5	3
53	Microcystin-LR, a cyanobacterial toxin affects root development by changing levels of PIN proteins and auxin response in Arabidopsis roots. <i>Chemosphere</i> , 2021, 276, 130183.	8.2	6
54	Removing low levels of $\text{Cd(II)}$ and $\text{Pb(II)}$ by adsorption on two types of oxidized multiwalled carbon nanotubes. <i>Journal of Environmental Chemical Engineering</i> , 2021, 9, 105402.	6.7	36

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55	Manipulating the crystallization kinetics and morphology of gypsum, CaSO <sub>4</sub> ·2H <sub>2</sub> O via addition of citrate at high levels of supersaturation and the effect of high salinity. <i>Polyhedron</i> , 2021, 204, 115253.	2.2	5
56	Fast and accurate lacunarity calculation for large 3D micro-CT datasets. <i>Acta Materialia</i> , 2021, 214, 116970.	7.9	15
57	M(II)Al <sub>4</sub> Type Layered Double Hydroxides' Preparation Using Mechanochemical Route, Structural Characterization and Catalytic Application. <i>Materials</i> , 2021, 14, 4880.	2.9	5
58	Three-dimensional printing of complex graphite structures. <i>Carbon</i> , 2021, 181, 260-269.	10.3	10
59	Polyvinyl-Pyrrolidone-Coated Silver Nanoparticles' The Colloidal, Chemical, and Biological Consequences of Steric Stabilization under Biorelevant Conditions. <i>International Journal of Molecular Sciences</i> , 2021, 22, 8673.	4.1	25
60	Copper-Loaded Layered Bismuth Subcarbonate' Efficient Multifunctional Heterogeneous Catalyst for Concerted S/C N Heterocyclization. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 42650-42661.	8.0	5
61	Chaetomium and Chaetomium-like Species from European Indoor Environments Include <i>Dichotomopilus finlandicus</i> sp. nov.. <i>Pathogens</i> , 2021, 10, 1133.	2.8	9
62	Nanoremediation: Tiny Objects Solving Huge Environmental Problems. <i>Recent Patents on Nanotechnology</i> , 2021, 15, 245-255.	1.3	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. <i>Chemosphere</i> , 2021, 280, 130636.	8.2	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. <i>Applied Clay Science</i> , 2021, 212, 106233.	5.2	15
65	Combustion method combined with sonochemical step for synthesis of maghemite-supported catalysts for the hydrogenation of 2,4-dinitrotoluene. <i>Catalysis Communications</i> , 2021, 159, 106342.	3.3	6
66	Development of dexamethasone-loaded mixed polymeric micelles for nasal delivery. <i>European Journal of Pharmaceutical Sciences</i> , 2021, 166, 105960.	4.0	21
67	Size controlled Pt over mesoporous NiO nanocomposite catalysts: thermal catalysis vs. photocatalysis. <i>Journal of Porous Materials</i> , 2021, 28, 605-615.	2.6	2
68	Bioplastics and Carbon-Based Sustainable Materials, Components, and Devices: Toward Green Electronics. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 49301-49312.	8.0	27
69	Optimization of layering technique and secondary structure analysis during the formulation of nanoparticles containing lysozyme by quality by design approach. <i>PLoS ONE</i> , 2021, 16, e0260603.	2.5	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. <i>International Journal of Molecular Sciences</i> , 2021, 22, 13258.	4.1	21
72	Sonochemical Deposition of Palladium Nanoparticles Onto the Surface of N-Doped Carbon Nanotubes: A Simplified One-Step Catalyst Production Method. <i>Catalysis Letters</i> , 2020, 150, 505-513.	2.6	7

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73	Fast optical method for characterizing plasmonic nanoparticle adhesion on functionalized surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3395-3404.	3.7	2
74	Luminescence and color properties of Ho <sup>3+</sup> co-activated Sr <sub>4</sub> Al <sub>14</sub> O <sub>25</sub> : Eu <sup>2+</sup> , Dy <sup>3+</sup> phosphors. <i>Journal of Luminescence</i> , 2020, 220, 116980.	3.1	3
75	Chronic responses of aerobic granules to the presence of graphene oxide in sequencing batch reactors. <i>Journal of Hazardous Materials</i> , 2020, 389, 121905.	12.4	21
76	Î <sup>2</sup> -Isocupreidineâ€‘CaAl-layered double hydroxide compositesâ€™ heterogenized catalysts for asymmetric Michael addition. <i>Molecular Catalysis</i> , 2020, 482, 110675.	2.0	7
77	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
78	Niâ€‘Znâ€‘Al-Based Oxide/Spinel Nanostructures for High Performance, Methane-Selective CO <sub>2</sub> Hydrogenation Reactions. <i>Catalysis Letters</i> , 2020, 150, 1527-1536.	2.6	11
79	Preparation of sulfur hydrophobized plasmonic photocatalyst towards durable superhydrophobic coating material. <i>Journal of Materials Science and Technology</i> , 2020, 41, 159-167.	10.7	8
80	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
81	On the effects of milling and thermal regeneration on the luminescence properties of Eu <sup>2+</sup> and Dy <sup>3+</sup> doped strontium aluminate phosphors. <i>Journal of Luminescence</i> , 2020, 219, 116917.	3.1	29
82	Squalenoylated Nanoparticle Pro-Drugs of Adjuvant Antitumor 11Î±-Hydroxycdysteroid 2,3-Acetonides Act as Cytoprotective Agents Against Doxorubicin and Paclitaxel. <i>Frontiers in Pharmacology</i> , 2020, 11, 552088.	3.5	3
83	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, Y). <i>Journal of Materials Chemistry</i> , 2020, 30, 111113.	2.0	2
84	ZnO nanoparticles induce cell wall remodeling and modify ROS/ RNS signalling in roots of Brassica seedlings. <i>Ecotoxicology and Environmental Safety</i> , 2020, 206, 111158.	6.0	34
85	Phosphorus-loaded alumina supported nickel catalysts for CO <sub>2</sub> hydrogenation: Ni <sub>2</sub> P/Ni <sub>5</sub> P <sub>12</sub> drives activity. <i>Molecular Catalysis</i> , 2020, 494, 111113.	2.0	2
86	Electric and Photocatalytic Properties of Graphene Oxide Depending on the Degree of Its Reduction. <i>Nanomaterials</i> , 2020, 10, 2313.	4.1	5
87	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
88	Quality by Design Based Formulation Study of Meloxicam-Loaded Polymeric Micelles for Intranasal Administration. <i>Pharmaceutics</i> , 2020, 12, 697.	4.5	36
89	The Structure and Thermal Properties of Solid Ternary Compounds Forming with Ca <sup>2+</sup> , Al <sup>3+</sup> and Heptagluconate Ions. <i>Molecules</i> , 2020, 25, 4715.	3.8	1
90	<p></p>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</p>. <i>International Journal of Nanomedicine</i> , 2020, Volume 15, 9939-9960.	6.7	12

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91	Dangling-to-Interstitial Oxygen Transition and Its Modifications of the Electronic Structure in Few-Layer Phosphorene. <i>Journal of Physical Chemistry C</i> , 2020, 124, 24066-24072.	3.1	8
92	Differential Precipitation of Mg(OH) <sub>2</sub> from CaSO <sub>4</sub> ·2H <sub>2</sub> O Using Citrate as Inhibitor—A Promising Concept for Reagent Recovery from MgSO <sub>4</sub> Waste Streams. <i>Molecules</i> , 2020, 25, 5012.	3.8	6
93	Cu—Fe Incorporated Graphene-Oxide Nanocomposite as Highly Efficient Catalyst in the Degradation of Dichlorodiphenyltrichloroethane (DDT) from Aqueous Solution. <i>Topics in Catalysis</i> , 2020, 63, 1314-1324.	2.8	13
94	Grid-type transparent conductive thin films of carbon nanotubes as capacitive touch sensors. <i>Nanotechnology</i> , 2020, 31, 305303.	2.6	11
95	Temperature-Dependent Electrical Transport Properties of Single-Walled Carbon Nanotube Thin Films Prepared by Electrohydrodynamic Atomization Technique. <i>Physica Status Solidi (A) Applications and Materials Science</i> , 2020, 217, 2000029.	1.8	1
96	CuBiOI 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.	2.0	3
97	Cost-effective ion-tuning of Birnessite structures for efficient ORR electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16266-16276.	7.1	7
98	The Potassium-Induced Decomposition Pathway of HCOOH on Rh(111). <i>Catalysts</i> , 2020, 10, 675.	3.5	9
99	Adsorption of Azobenzene on Hexagonal Boron Nitride Nanomesh Supported by Rh(111). <i>Journal of Physical Chemistry C</i> , 2020, 124, 14182-14194.	3.1	6
100	One-pot mechanochemical ball milling synthesis of the MnO <sub>x</sub> nanostructures as efficient catalysts for CO <sub>2</sub> hydrogenation reactions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13999-14012.	2.8	15
101	Use of carbon paste electrode and modified by gold nanoparticles for selected macrolide antibiotics determination as standard and in pharmaceutical preparations. <i>Journal of Electroanalytical Chemistry</i> , 2020, 873, 114324.	3.8	14
102	Efficient visible-light piezophototronic activity of ZnO-Ag <sub>8</sub> S hybrid for degradation of organic dye molecule. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 143, 109473.	4.0	16
103	Rh-induced Support Transformation and Rh Incorporation in Titanate Structures and Their Influence on Catalytic Activity. <i>Catalysts</i> , 2020, 10, 212.	3.5	10
104	Nitro-oxidative signalling induced by chemically synthesized zinc oxide nanoparticles (ZnO NPs) in Brassica species. <i>Chemosphere</i> , 2020, 251, 126419.	8.2	43
105	Porosity determination of nano- and sub-micron particles by single particle inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 1139-1147.	3.0	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. <i>Water (Switzerland)</i> , 2020, 12, 723.	2.7	30
107	Role of Brønsted and Lewis acidic sites in sulfonated Zr-MCM-41 for the catalytic reaction of cellulose into 5-hydroxymethyl furfural. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 130, 825-836.	1.7	14
108	Microcomputed tomography-based characterization of advanced materials: a review. <i>Materials Today Advances</i> , 2020, 8, 100084.	5.2	64



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109	Size-dependent activity of silver nanoparticles on the morphological switch and biofilm formation of opportunistic pathogenic yeasts. <i>BMC Microbiology</i> , 2020, 20, 176.	3.3	24
110	Sulfur nanoparticles transform montmorillonite into an inorganic surfactant applicable in thermoplastics processing. <i>Polymer Testing</i> , 2020, 85, 106419.	4.8	3
111	Catalytic activity of maghemite supported palladium catalyst in nitrobenzene hydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2020, 129, 107-116.	1.7	10
112	Core-shell nanoparticles suppress metastasis and modify the tumour-supportive activity of cancer-associated fibroblasts. <i>Journal of Nanobiotechnology</i> , 2020, 18, 18.	9.1	37
113	Selective transformation of ethanol to acetaldehyde catalyzed by Au/h-BN interface prepared on Rh(111) surface. <i>Applied Catalysis A: General</i> , 2020, 592, 117440.	4.3	10
114	Synergistic Radiosensitization by Gold Nanoparticles and the Histone Deacetylase Inhibitor SAHA in 2D and 3D Cancer Cell Cultures. <i>Nanomaterials</i> , 2020, 10, 158.	4.1	17
115	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
116	Ambient pressure CO <sub>2</sub> 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
117	Nitrogen doped carbon aerogel composites with TiO <sub>2</sub> and ZnO prepared by atomic layer deposition. <i>Journal of Materials Chemistry C</i> , 2020, 8, 6891-6899.	5.5	10
118	Nature inspired solid-liquid phase amphibious adhesive. <i>Soft Matter</i> , 2020, 16, 5854-5860.	2.7	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 nanotube-modified carbon paste electrode in selected samples of pharmaceutical importance. <i>Ionics</i> , 2019, 25, 6093-6106.	2.4	11
121	Optimization of the Production Process and Product Quality of Titanate Nanotube-Drug Composites. <i>Nanomaterials</i> , 2019, 9, 1406.	4.1	3
122	Inhibition of protein phosphatase-1 and -2A by ellagitannins: structure-inhibitory potency relationships and influences on cellular systems. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019, 34, 500-509.	5.2	5
123	Endoplasmic reticulum stress: major player in size-dependent inhibition of P-glycoprotein by silver nanoparticles in multidrug-resistant breast cancer cells. <i>Journal of Nanobiotechnology</i> , 2019, 17, 9.	9.1	52
124	&lt;p&gt;Silver nanoparticles: aggregation behavior in biorelevant conditions and its impact on biological activity&lt;/p&gt;. <i>International Journal of Nanomedicine</i> , 2019, Volume 14, 667-687.	6.7	128
125	Synergetic of Pt Nanoparticles and H-ZSM-5 Zeolites for Efficient CO <sub>2</sub> Activation: Role of Interfacial Sites in High Activity. <i>Frontiers in Materials</i> , 2019, 6, .	2.4	26
126	Noble-metal-free and Pt nanoparticles-loaded, mesoporous oxides as efficient catalysts for CO <sub>2</sub> hydrogenation and dry reforming with methane. <i>Journal of CO<sub>2</sub> Utilization</i> , 2019, 32, 106-118.	6.8	39



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127	Influencing the texture and morphological properties of layered double hydroxides with the most diluted solvent mixtures – The effect of 6–8 carbon alcohols and temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 574, 146-153.	4.7	4
128	Green synthesis and <i>in situ</i> immobilization of gold nanoparticles and their application for the reduction of <i>p</i> -nitrophenol in continuous-flow mode. <i>RSC Advances</i> , 2019, 9, 9193-9197.	3.6	9
129	Beyond Nanoparticles: The Role of Sub-nanosized Metal Species in Heterogeneous Catalysis. <i>Catalysis Letters</i> , 2019, 149, 1441.	2.6	15
130	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> , 2019, 55, 165-173.	8.2	12
131	Dissection of the regulatory role for the N-terminal domain in <i>Candida albicans</i> protein phosphatase Z1. <i>PLoS ONE</i> , 2019, 14, e0211426.	2.5	8
132	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.	2.6	1
133	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , 2019, 174, 138-145.	5.2	21
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