ZoltÃ¡n KÃ³nya

List of Publications by Year
in descending order

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553	13,621	23567	42399
papers	citations	58 h-index	92 g-index

563	563	563	16068
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Large-scale synthesis of single-wall carbon nanotubes by catalytic chemical vapor deposition (CCVD) method. Chemical Physics Letters, 2000, 317, 83-89.	2.6	427
2	Production of short carbon nanotubes with open tips by ball milling. Chemical Physics Letters, 2001, 335, 1-8.	2.6	272
3	Green synthesis of gold nanoparticles by thermophilic filamentous fungi. Scientific Reports, 2018, 8, 3943.	3.3	261
4	Large scale production of short functionalized carbon nanotubes. Chemical Physics Letters, 2002, 360, 429-435.	2.6	176
5	Preparation and characterization of carbon nanotube reinforced silicon nitride composites. Materials Science and Engineering C, 2003, 23, 1133-1137.	7.3	176
6	Synthetic Insertion of Gold Nanoparticles into Mesoporous Silica. Chemistry of Materials, 2003, 15, 1242-1248.	6.7	175
7	Photosensitization of ion-exchangeable titanate nanotubes by CdS nanoparticles. Chemical Physics Letters, 2004, 399, 512-515.	2.6	175
8	Bulk production of quasi-aligned carbon nanotube bundles by the catalytic chemical vapour deposition (CCVD) method. Chemical Physics Letters, 1999, 303, 117-124.	2.6	165
9	Control of the outer diameter of thin carbon nanotubes synthesized by catalytic decomposition of hydrocarbons. Chemical Physics Letters, 2000, 317, 71-76.	2.6	164
10	Encapsulation of Metal (Au, Ag, Pt) Nanoparticles into the Mesoporous SBA-15 Structure. Langmuir, 2003, 19, 4396-4401.	3.5	163
11	Formation of CuPd and CuPt Bimetallic Nanotubes by Galvanic Replacement Reaction. Journal of Physical Chemistry C, 2011, 115, 9403-9409.	3.1	163
12	Oriented Crystal Growth Model Explains the Formation of Titania Nanotubes. Journal of Physical Chemistry B, 2005, 109, 17781-17783.	2.6	159
13	Hydrothermal Conversion of Self-Assembled Titanate Nanotubes into Nanowires in a Revolving Autoclave. Chemistry of Materials, 2007, 19, 927-931.	6.7	154
14	Structure and gas permeability of multi-wall carbon nanotube buckypapers. Carbon, 2007, 45, 1176-1184.	10.3	152
15	Low-Temperature Large-Scale Synthesis and Electrical Testing of Ultralong Copper Nanowires. Langmuir, 2010, 26, 16496-16502.	3.5	149
16	Green Silver and Gold Nanoparticles: Biological Synthesis Approaches and Potentials for Biomedical Applications. Molecules, 2021, 26, 844.	3.8	142
17	Long-time low-impact ball milling of multi-wall carbon nanotubes. Carbon, 2005, 43, 994-1000.	10.3	138
18	Studies on the thermal decomposition of multiwall carbon nanotubes under different atmospheres. Materials Letters, 2013, 90, 165-168.	2.6	138

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19	Nitrogen-Doped Anatase Nanofibers Decorated with Noble Metal Nanoparticles for Photocatalytic Production of Hydrogen. ACS Nano, 2011, 5, 5025-5030.	14.6	137
20	Alumina and silica supported metal catalysts for the production of carbon nanotubes. Journal of Molecular Catalysis A, 2002, 181, 57-62.	4.8	132
21	Effects of Support and Rh Additive on Co-Based Catalysts in the Ethanol Steam Reforming Reaction. ACS Catalysis, 2014, 4, 1205-1218.	11.2	130
22	Removal of As(III) and Cr(VI) from aqueous solutions using â€œgreenâ€•zero-valent iron nanoparticles produced by oak, mulberry and cherry leaf extracts. Ecological Engineering, 2016, 90, 42-49.	3.6	129
23	Silver nanoparticles: aggregation behavior in biorelevant conditions and its impact on biological activity . International Journal of Nanomedicine, 2019, Volume 14, 667-687.	6.7	128
24	Functionalized Low Defect Graphene Nanoribbons and Polyurethane Composite Film for Improved Gas Barrier and Mechanical Performances. ACS Nano, 2013, 7, 10380-10386.	14.6	124
25	Biological activity of green-synthesized silver nanoparticles depends on the applied natural extracts: a comprehensive study. International Journal of Nanomedicine, 2017, Volume 12, 871-883.	6.7	120
26	Interconnecting Carbon Nanotubes with an Inorganic Metal Complex. Journal of the American Chemical Society, 2002, 124, 13694-13695.	13.7	116
27	Catalytic synthesis of carbon nanotubes over Co, Fe and Ni containing conventional and solâ€“gel silicaâ€“aluminas. Physical Chemistry Chemical Physics, 2000, 2, 3071-3076.	2.8	114
28	Enhanced photocatalytic activity of TiO2 nanofibers and their flexible composite films: Decomposition of organic dyes and efficient H2 generation from ethanol-water mixtures. Nano Research, 2011, 4, 360-369.	10.4	109
29	Photo-induced reactions in the CO 2 -methane system on titanate nanotubes modified with Au and Rh nanoparticles. Applied Catalysis B: Environmental, 2016, 199, 473-484.	20.2	108
30	Synthesis of single-wall carbon nanotubesby catalytic decomposition of hydrocarbons. Chemical Communications, 1999, , 1343-1344.	4.1	107
31	Development of CNT/Si3N4 composites with improved mechanical and electrical properties. Composites Part B: Engineering, 2006, 37, 418-424.	12.0	104
32	Trace level voltammetric determination of lead and cadmium in sediment pore water by a bismuth-oxychloride particle-multiwalled carbon nanotube composite modified glassy carbon electrode. Talanta, 2015, 134, 640-649.	5.5	103
33	Spherical mesoporous MCM-41 materials containing transition metals: synthesis and characterization. Applied Catalysis A: General, 2004, 272, 257-266.	4.3	102
34	Processing of carbon nanotube reinforced silicon nitride composites by spark plasma sintering. Composites Science and Technology, 2005, 65, 727-733.	7.8	101
35	CO hydrogenation over cobalt and iron catalysts supported over multiwall carbon nanotubes: Effect of preparation. Journal of Catalysis, 2006, 244, 24-32.	6.2	101
36	Atomic scale characterization and surface chemistry of metal modified titanate nanotubes and nanowires. Surface Science Reports, 2016, 71, 473-546.	7.2	96

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37	Silver nanoparticles defeat p53-positive and p53-negative osteosarcoma cells by triggering mitochondrial stress and apoptosis. Scientific Reports, 2016, 6, 27902.	3.3	94
38	Functionalized boron nitride porous solids. RSC Advances, 2015, 5, 93964-93968.	3.6	89
39	Three different clay-supported nanoscale zero-valent iron materials for industrial azo dye degradation: A comparative study. Journal of the Taiwan Institute of Chemical Engineers, 2014, 45, 2451-2461.	5.3	88
40	Nanocrystal Templating of Silica Mesopores with Tunable Pore Sizes. Nano Letters, 2002, 2, 907-910.	9.1	84
41	End morphology of ball milled carbon nanotubes. Carbon, 2004, 42, 2001-2008.	10.3	83
42	Synthesis of Catalytic Porous Metallic Nanorods by Galvanic Exchange Reaction. Journal of Physical Chemistry C, 2010, 114, 389-393.	3.1	80
43	Co4N/nitrogen-doped graphene: A non-noble metal oxygen reduction electrocatalyst for alkaline fuel cells. Applied Catalysis B: Environmental, 2018, 237, 826-834.	20.2	80
44	Multiwall carbon nanotube modified vinylester and vinylester â€“ based hybrid resins. Composites Part A: Applied Science and Manufacturing, 2006, 37, 1252-1259.	7.6	78
45	Room temperature hydrogen sensors based on metal decorated WO3 nanowires. Sensors and Actuators B: Chemical, 2013, 186, 90-95.	7.8	78
46	Biosynthesized silver and gold nanoparticles are potent antimycotics against opportunistic pathogenic yeasts and dermatophytes. International Journal of Nanomedicine, 2018, Volume 13, 695-703.	6.7	78
47	Synthesis, characterisation and catalytic applications of solâ€“gel derived silicaâ€“phosphotungstic acid composites. Applied Catalysis A: General, 2002, 228, 83-94.	4.3	76
48	Title is missing!. Catalysis Letters, 2002, 81, 137-140.	2.6	76
49	Three-Dimensional Carbon Nanotube Scaffolds as Particulate Filters and Catalyst Support Membranes. ACS Nano, 2010, 4, 2003-2008.	14.6	72
50	In Situ DRIFTS and NAP-XPS Exploration of the Complexity of CO₂ Hydrogenation over Size-Controlled Pt Nanoparticles Supported on Mesoporous NiO. Journal of Physical Chemistry C, 2018, 122, 5553-5565.	3.1	72
51	Controlling the pore diameter distribution of multi-wall carbon nanotube buckypapers. Carbon, 2007, 45, 1696-1698.	10.3	71
52	Complex-assisted one-step synthesis of ion-exchangeable titanate nanotubes decorated with CdS nanoparticles. Chemical Physics Letters, 2005, 411, 445-449.	2.6	70
53	Environmentally Benign Synthesis Methods of Zero-Valent Iron Nanoparticles. ACS Sustainable Chemistry and Engineering, 2016, 4, 291-297.	6.7	70
54	On the role of catalyst, catalyst support and their interaction in synthesis of carbon nanotubes by CCVD. Materials Chemistry and Physics, 2003, 77, 536-541.	4.0	69

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55	Chemical functionalisation of titania nanotubes and their utilisation for the fabrication of reinforced polystyrene composites. Journal of Materials Chemistry, 2007, 17, 2351.	6.7	69
56	Microcomputed tomographyâ€“based characterization of advanced materials: a review. Materials Today Advances, 2020, 8, 100084.	5.2	64
57	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.	6.7	62
58	Intercalating amino acid guests into montmorillonite host. Journal of Molecular Structure, 2003, 651-653, 335-340.	3.6	61
59	Observation of site selective binding in a polymer nanotube composite. Journal of Materials Science Letters, 2000, 19, 2239-2241.	0.5	59
60	Synthesis and characterization of polyvinyl alcohol based multiwalled carbon nanotube nanocomposites. Physica E: Low-Dimensional Systems and Nanostructures, 2014, 61, 129-134.	2.7	58
61	Production of differently shaped multi-wall carbon nanotubes using various cobalt supported catalysts. Physical Chemistry Chemical Physics, 2000, 2, 163-170.	2.8	57
62	Functional neurotoxicity of Mn-containing nanoparticles in rats. Ecotoxicology and Environmental Safety, 2010, 73, 2004-2009.	6.0	54
63	Silver nanoparticles modulate ABC transporter activity and enhance chemotherapy in multidrug resistant cancer. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 601-610.	3.3	54
64	Probing the interaction of Rh, Co and bimetallic Rhâ€“Co nanoparticles with the CeO‹sub›2‹/sub› support: catalytic materials for alternative energy generation. Physical Chemistry Chemical Physics, 2015, 17, 27154-27166.	2.8	52
65	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.	9.1	52
66	Indium and gallium containing ZSM-5 zeolites: acidity and catalytic activity in propane transformation. Catalysis Today, 1996, 31, 293-304.	4.4	51
67	Rh-Induced Support Transformation Phenomena in Titanate Nanowire and Nanotube Catalysts. Langmuir, 2013, 29, 3061-3072.	3.5	50
68	Metallic Nanoparticles in Heterogeneous Catalysis. Catalysis Letters, 2021, 151, 2153.	2.6	50
69	Application of carbon nanotubes to silicon nitride matrix reinforcements. Current Applied Physics, 2006, 6, 124-130.	2.4	49
70	Dry reforming of CH4 on Rh doped Co/Al2O3 catalysts. Catalysis Today, 2014, 228, 123-130.	4.4	49
71	XPS characterisation of catalysts during production of multiwalled carbon nanotubes. Physical Chemistry Chemical Physics, 2001, 3, 155-158.	2.8	48
72	Mechanical and chemical breaking of multiwalled carbon nanotubes. Catalysis Today, 2002, 76, 3-10.	4.4	47

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73	Stability and Temperature-Induced Agglomeration of Rh Nanoparticles Supported by CeO₂. Langmuir, 2016, 32, 2761-2770.	3.5	47
74	Propionic Acid Produced by Propionibacterium acnes Strains ContriÂbutes to Their Pathogenicity. Acta Dermato-Venereologica, 2016, 96, 43-49.	1.3	46
75	Catalyst traces and other impurities in chemically purified carbon nanotubes grown by CVD. Materials Science and Engineering C, 2002, 19, 9-13.	7.3	45
76	On the Growth Mechanism of Single-Walled Carbon Nanotubes by Catalytic Carbon Vapor Deposition on Supported Metal Catalysts. Journal of Nanoscience and Nanotechnology, 2004, 4, 326-345.	0.9	45
77	Nervous system effects in rats on subacute exposure by lead-containing nanoparticles via the airways. Inhalation Toxicology, 2011, 23, 173-181.	1.6	45
78	XPS study of multiwall carbon nanotube synthesis on Ni-, V-, and Ni, V-ZSM-5 catalysts. Applied Catalysis A: General, 2004, 260, 55-61.	4.3	44
79	Quantitative Characterization of Hydrophilicâ^'Hydrophobic Properties of MWNTs Surfaces. Langmuir, 2004, 20, 1656-1661.	3.5	44
80	Development and characterization of multi-element doped hydroxyapatite bioceramic coatings on metallic implants for orthopedic applications. Boletin De La Sociedad Espanola De Ceramica Y Vidrio, 2018, 57, 55-65.	1.9	44
81	Impact of the morphology and reactivity of nanoscale zero-valent iron (NZVI) on dechlorinating bacteria. Water Research, 2016, 95, 165-173.	11.3	43
82	Reforming of ethanol on Co/Al2O3 catalysts reduced at different temperatures. Journal of Catalysis, 2018, 358, 118-130.	6.2	43
83	Nitro-oxidative signalling induced by chemically synthetized zinc oxide nanoparticles (ZnO NPs) in Brassica species. Chemosphere, 2020, 251, 126419.	8.2	43
84	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.	3.1	43
85	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
86	Catalytic Hydrogenation of d-Xylose Over Ru Decorated Carbon Foam Catalyst in a SpinChemÂ® Rotating Bed Reactor. Topics in Catalysis, 2016, 59, 1165-1177.	2.8	40
87	Ultrasonically-enhanced mechanochemical synthesis of CaAl-layered double hydroxides intercalated by a variety of inorganic anions. Ultrasonics Sonochemistry, 2016, 31, 409-416.	8.2	39
88	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.	6.8	39
89	Electrical resistivity and thermal properties of compatibilized multi-walled carbon nanotube/polypropylene composites. EXPRESS Polymer Letters, 2012, 6, 494-502.	2.1	38
90	Optimisation of the synthesis parameters of mechanochemically prepared CaAl-layered double hydroxide. Applied Clay Science, 2015, 112-113, 94-99.	5.2	38

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91	Modulating chromatin structure and DNA accessibility by deacetylase inhibition enhances the anti-cancer activity of silver nanoparticles. Colloids and Surfaces B: Biointerfaces, 2016, 146, 670-677.	5.0	38
92	Molecular interactions between organic compounds and functionally modified multiwalled carbon nanotubes. Chemical Engineering Journal, 2013, 225, 144-152.	12.7	37
93	Mechanochemically assisted synthesis of pristine Ca(II)Sn(IV)-layered double hydroxides and their amino acid intercalated nanocomposites. Journal of Materials Science, 2014, 49, 8478-8486.	3.7	37
94	Coreâ€“shell nanoparticles suppress metastasis and modify the tumour-supportive activity of cancer-associated fibroblasts. Journal of Nanobiotechnology, 2020, 18, 18.	9.1	37
95	Multi-Walled Carbon Nanotubes. , 2013, , 147-188.		37
96	Solid state MAS NMR investigation of Y-type zeolites reacted with chlorofluorocarbons. Applied Catalysis B: Environmental, 1998, 17, 157-166.	20.2	36
97	Production of carbon nanotubes inside the pores of mesoporous silicates. Chemical Physics Letters, 2002, 359, 95-100.	2.6	36
98	Optimization of thiamethoxam adsorption parameters using multi-walled carbon nanotubes by means of fractional factorial design. Chemosphere, 2015, 141, 87-93.	8.2	36
99	Quality by Design Based Formulation Study of Meloxicam-Loaded Polymeric Micelles for Intranasal Administration. Pharmaceutics, 2020, 12, 697.	4.5	36
100	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.	6.7	36
101	Toxic metal immobilization in contaminated sediment using bentonite- and kaolinite-supported nano zero-valent iron. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	35
102	Layered titanate nanostructures: perspectives for industrial exploitation. Translational Materials Research, 2015, 2, 015003.	1.2	35
103	Probing the interaction of Au, Rh and bimetallic Auâ€“Rh clusters with the TiO2 nanowire and nanotube support. Surface Science, 2011, 605, 1048-1055.	1.9	34
104	ZnO nanoparticles induce cell wall remodeling and modify ROS/ RNS signalling in roots of Brassica seedlings. Ecotoxicology and Environmental Safety, 2020, 206, 111158.	6.0	34
105	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.	6.2	34
106	Sonication assisted gold deposition on multiwall carbon nanotubes. Chemical Physics Letters, 2003, 372, 848-852.	2.6	33
107	Influence of gold additives on the stability and phase transformation of titanate nanostructures. Physical Chemistry Chemical Physics, 2014, 16, 26786-26797.	2.8	33
108	Hydrodynamic chronoamperometric determination of hydrogen peroxide using carbon paste electrodes coated by multiwalled carbon nanotubes decorated with MnO2 or Pt particles. Sensors and Actuators B: Chemical, 2016, 233, 83-92.	7.8	33

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109	Infrared spectroscopic study of adsorption and reactions of methyl chloride on acidic, neutral and basic zeolites. Applied Catalysis B: Environmental, 1996, 8, 391-404.	20.2	32
110	Ionically Self-Assembled Polyelectrolyte-Based Carbon Nanotube Fibers. Chemistry of Materials, 2009, 21, 3062-3071.	6.7	32
111	The Interaction of Cobalt with CeO₂(111) Prepared on Cu(111). Journal of Physical Chemistry C, 2015, 119, 9324-9333.	3.1	32
112	Voltammetric behavior and determination of the macrolide antibiotics azithromycin, clarithromycin and roxithromycin at a renewable silver â€“ amalgam film electrode. Electrochimica Acta, 2017, 229, 334-344.	5.2	32
113	Damage-tolerant 3D-printed ceramics via conformal coating. Science Advances, 2021, 7, .	10.3	32
114	STM investigation of carbon nanotubes connected by functional groups. Materials Science and Engineering C, 2003, 23, 1007-1011.	7.3	31
115	Subacute intratracheal exposure of rats to manganese nanoparticles: Behavioral, electrophysiological, and general toxicological effects. Inhalation Toxicology, 2009, 21, 83-91.	1.6	31
116	Quantitative Tracking of the Oxidation of Black Phosphorus in the Few-Layer Regime. ACS Omega, 2018, 3, 12482-12488.	3.5	31
117	The Acidity and Catalytic Activity of Supported Acidic Cesium Dodecatungstophosphates Studied by MAS NMR, FTIR, and Catalytic Test Reactions. Journal of Catalysis, 2001, 202, 379-386.	6.2	30
118	Optimization of the Catalytic Chemical Vapor Deposition Synthesis of Multiwall Carbon Nanotubes on FeCo(Ni)/SiO₂ Aerogel Catalysts by Statistical Design of Experiments. Journal of Physical Chemistry C, 2011, 115, 5894-5902.	3.1	30
119	On-chip integrated vertically aligned carbon nanotube based super- and pseudocapacitors. Scientific Reports, 2017, 7, 16594.	3.3	30
120	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.	2.7	30
121	Moderate anisotropy in the electrical conductivity of bulk MWCNT/epoxy composites. Carbon, 2010, 48, 1918-1925.	10.3	29
122	Noble-Metal-Free Iron Nitride/Nitrogen-Doped Graphene Composite for the Oxygen Reduction Reaction. ACS Omega, 2019, 4, 130-139.	3.5	29
123	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.	3.1	29
124	Synthesis of Zinc Glycerolate Microstacks from a ZnO Nanorod Sacrificial Template. European Journal of Inorganic Chemistry, 2009, 2009, 3622-3627.	2.0	28
125	Mechanochemical synthesis and intercalation of Ca(II)Fe(III)-layered double hydroxides. Journal of Solid State Chemistry, 2016, 233, 236-243.	2.9	28
126	Pre-prepared platinum nanoparticles supported on SBA-15 â€“ preparation, pretreatment conditions and catalytic properties. Catalysis Letters, 2007, 113, 19-28.	2.6	27

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127	Reconstruction of calcined MgAl- and NiMgAl-layered double hydroxides during glycerol dehydration and their recycling characteristics. Applied Clay Science, 2013, 80-81, 245-248.	5.2	27
128	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO32â^', NO3â^', ClO4â^'). Ultrasonics Sonochemistry, 2018, 40, 853-860.	8.2	27
129	Bioplastics and Carbon-Based Sustainable Materials, Components, and Devices: Toward Green Electronics. ACS Applied Materials & Interfaces, 2021, 13, 49301-49312.	8.0	27
130	Heterogeneous catalytic production and mechanical resistance of nanotubes prepared on magnesium oxide supported Co-based catalysts. Applied Catalysis A: General, 2002, 229, 229-233.	4.3	26
131	Synthesis and characterization of hyperbranched mesoporous silica SBA-15. Chemical Communications, 2003, , 314.	4.1	26
132	Visible light activation photocatalytic performance of PbSe quantum dot sensitized TiO2 Nanowires. Applied Catalysis B: Environmental, 2015, 179, 583-588.	20.2	26
133	Size-Dependent Toxicity Differences of Intratracheally Instilled Manganese Oxide Nanoparticles: Conclusions of a Subacute Animal Experiment. Biological Trace Element Research, 2016, 171, 156-166.	3.5	26
134	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. Catalysis Today, 2017, 284, 195-201.	4.4	26
135	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, .	2.4	26
136	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.	9.4	26
137	Synthesis and properties of novel Ba(II)Fe(III) layered double hydroxides. Applied Clay Science, 2010, 48, 214-217.	5.2	25
138	LEIS and XPS investigation into the growth of cerium and cerium dioxide on Cu(111). Physical Chemistry Chemical Physics, 2015, 17, 5124-5132.	2.8	25
139	One step synthesis of chlorine-free Pt/Nitrogen-doped graphene composite for oxygen reduction reaction. Carbon, 2018, 133, 90-100.	10.3	25
140	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.	4.1	25
141	Conformational Mapping of Amyloid Peptides from the Putative Neurotoxic 25-35 Region. Biochemical and Biophysical Research Communications, 1994, 205, 120-126.	2.1	24
142	Lowâ€temperature growth of multiâ€walled carbon nanotubes by thermal CVD. Physica Status Solidi (B): Basic Research, 2011, 248, 2500-2503.	1.5	24
143	Structural stability test of hexagonal CePO4 nanowires synthesized at ambient temperature. Journal of Molecular Structure, 2013, 1044, 94-98.	3.6	24
144	Synthesis and properties of CaAl-layered double hydroxides of hydrocalumite-type. Chemical Papers, 2014, 68, .	2.2	24

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145	Chemical characterization of laboratory-generated tar ball particles. Atmospheric Chemistry and Physics, 2018, 18, 10407-10418.	4.9	24
146	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.	6.2	24
147	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	6.7	24
148	Size-dependent activity of silver nanoparticles on the morphological switch and biofilm formation of opportunistic pathogenic yeasts. BMC Microbiology, 2020, 20, 176.	3.3	24
149	UVâ€“VIS investigations on Co, Fe and Ni incorporated into solâ€“gel SiO2â€“TiO2 matrices. Journal of Molecular Structure, 2001, 563-564, 403-407.	3.6	23
150	Inkjet printed resistive and chemicalâ€FET carbon nanotube gas sensors. Physica Status Solidi (B): Basic Research, 2008, 245, 2335-2338.	1.5	23
151	Layer-by-layer assembly of TiO₂nanowire/carbon nanotube films and characterization of their photocatalytic activity. Nanotechnology, 2011, 22, 195701.	2.6	23
152	Nature of the Pt-Cobalt-Oxide surface interaction and its role in the CO2 Methanation. Applied Surface Science, 2022, 571, 151326.	6.1	23
153	In situ synthesis of catalytic metal nanoparticle-PDMS membranes by thermal decomposition process. Composites Science and Technology, 2011, 71, 129-133.	7.8	22
154	Metal loading determines the stabilization pathway for Co2+ in titanate nanowires: ion exchange vs. cluster formation. Physical Chemistry Chemical Physics, 2013, 15, 15917.	2.8	22
155	Exploiting the ion-exchange ability of titanate nanotubes in a model water softening process. Chemical Physics Letters, 2014, 591, 161-165.	2.6	22
156	Adsorption of chlorinated phenols on multiwalled carbon nanotubes. RSC Advances, 2015, 5, 24920-24929.	3.6	22
157	Molecular Insights into the Fungus-Specific Serine/Threonine Protein Phosphatase Z1 in Candida albicans. MBio, 2016, 7, .	4.1	22
158	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.	2.6	22
159	A novel WS2 nanowire-nanoflake hybrid material synthesized from WO3 nanowires in sulfur vapor. Scientific Reports, 2016, 6, 25610.	3.3	21
160	Determination of the platinum concentration of a Pt/silica nanocomposite decorated with ultra small Pt nanoparticles using single particle inductively coupled plasma mass spectrometry. Journal of Analytical Atomic Spectrometry, 2017, 32, 996-1003.	3.0	21
161	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. Applied Clay Science, 2019, 174, 138-145.	5.2	21
162	Chronic responses of aerobic granules to the presence of graphene oxide in sequencing batch reactors. Journal of Hazardous Materials, 2020, 389, 121905.	12.4	21

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163	Development of dexamethasone-loaded mixed polymeric micelles for nasal delivery. European Journal of Pharmaceutical Sciences, 2021, 166, 105960.	4.0	21
164	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.	4.1	21
165	Evaluation and comparison of the ammonia adsorption capacity of titanosilicates ETS-4 and ETS-10 and aluminotitanosilicates ETAS-4 and ETAS-10. Journal of Thermal Analysis and Calorimetry, 2015, 122, 1257-1267.	3.6	20
166	A simple method to control the formation of cerium phosphate architectures. CrystEngComm, 2015, 17, 8477-8485.	2.6	20
167	Ultrasound-enhanced milling in the synthesis of phase-pure, highly crystalline ZnAl-layered double hydroxide of low Zn(II) content. Particuology, 2016, 27, 29-33.	3.6	20
168	Characterisation of diesel particulate emission from engines using commercial diesel and biofuels. Atmospheric Environment, 2016, 134, 109-120.	4.1	20
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