

Akos Kukovecz

List of Publications by Year in descending order

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318
papers

7,798
citations

76031

42
h-index

90395

73
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321
all docs

321
docs citations

321
times ranked

11615
citing authors

#	ARTICLE	IF	CITATIONS
1	Photocatalytic CO ₂ Reduction. <i>Green Chemistry and Sustainable Technology</i> , 2022, , 605-646.	0.4	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.	3.1	23
3	Investigation into the effect of ZnO nanorod coating on the thermal-mechanical and dielectric properties of ITO coated PET. <i>Materials Research Bulletin</i> , 2022, 149, 111701.	2.7	4
4	Optimization of ceramic-based noble metal-free catalysts for CO oxidation reactions. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2022, 135, 575-587.	0.8	2
5	The first mainland European Mesozoic click-beetle (Coleoptera: Elateridae) revealed by X-ray micro-computed tomography scanning of an Upper Cretaceous amber from Hungary. <i>Scientific Reports</i> , 2022, 12, 24.	1.6	10
6	Unfolding the effects of decontamination treatments on the structural and functional integrity of N95 respirators via numerical simulations. <i>Scientific Reports</i> , 2022, 12, 4191.	1.6	3
7	Exfoliation of black phosphorus in isopropanol-water cosolvents. <i>Journal of Molecular Structure</i> , 2022, 1260, 132862.	1.8	2
8	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.	1.8	4
9	Niacin and niacin-pillared layered double hydroxides—Novel organocatalysts based on pyridine. <i>Journal of Molecular Structure</i> , 2022, 1261, 132868.	1.8	2
10	Design Principles and Insights into the Liquid-Phase Exfoliation of Alpha-MoO ₃ for the Production of Colloidal 2D Nano-inks in Green Solvents. <i>Journal of Physical Chemistry C</i> , 2022, 126, 404-415.	1.5	2
11	Structural and functional integrity of decontaminated N95 respirators: Experimental results. <i>Journal of Industrial Textiles</i> , 2022, 51, 7999S-8017S.	1.1	2
12	Electrolyte effect on the electroactuation behavior of multilayer polypyrrole films intercalated with TFSi ⁻ , ClO ₄ ⁻ , NO ₃ ⁻ anions in lithium and potassium based electrolyte solutions. <i>Journal of Molecular Structure</i> , 2022, , 133057.	1.8	0
13	Microscopic and structural study on the formation of mechanochemical synthesized BaTiO ₃ and ZnTiO ₃ perovskites. <i>Resolution and Discovery</i> , 2022, , .	0.9	0
14	Dependence of Photocatalytic Activity on the Morphology of Strontium Titanates. <i>Catalysts</i> , 2022, 12, 523.	1.6	7
15	Polymorph Selection of Zeolitic Imidazolate Frameworks via Kinetic and Thermodynamic Control. <i>Crystal Growth and Design</i> , 2022, 22, 4268-4276.	1.4	5
16	Periodic Precipitation of Zeolitic Imidazolate Frameworks in a Gelled Medium. <i>Journal of Physical Chemistry C</i> , 2022, 126, 9580-9586.	1.5	12
17	Turning CO ₂ to CH ₄ and CO over CeO ₂ and MCF-17 supported Pt, Ru and Rh nanoclusters—Influence of nanostructure morphology, supporting materials and operating conditions. <i>Fuel</i> , 2022, 326, 124994.	3.4	6
18	A colloid chemistry route for the preparation of hierarchically ordered mesoporous layered double hydroxides using surfactants as sacrificial templates. <i>Journal of Colloid and Interface Science</i> , 2021, 581, 928-938.	5.0	26

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19	Enhancing the yield of calcium carbonate precipitation by obstacles in laminar flow in a confined geometry. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 15515-15521.	1.3	4
20	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.	4.6	7
21	Metallic Nanoparticles in Heterogeneous Catalysis. <i>Catalysis Letters</i> , 2021, 151, 2153.	1.4	50
22	Binder-Free Construction of a Methanol Tolerant Pt/TiO ₂ /Carbon Paper Anode by Atomic Layer Deposition. <i>Catalysts</i> , 2021, 11, 154.	1.6	3
23	Cross-Calibration of an ¹³⁷ Cs-Source Used for Luminescence Dating by Applying Different Samples and Procedures. <i>Geochronometria</i> , 2021, 48, 61-72.	0.2	0
24	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.	1.5	43
25	Composites of ion-in-conjugation polysquaraine and SWCNTs for the detection of H ₂ S and NH ₃ at ppb concentrations. <i>Nanotechnology</i> , 2021, 32, 185502.	1.3	7
26	Surface Engineering of CeO ₂ Catalysts: Differences Between Solid Solution Based and Interfacially Designed Ce _{1-x} M _x O ₂ and MO/CeO ₂ (M = Zn, Mn) in CO ₂ Hydrogenation Reaction. <i>Catalysis Letters</i> , 2021, 151, 3477-3491.	2.1	22
27	Oxidation of Cysteinate Anions Immobilized in the Interlamellar Space of CaAl-Layered Double Hydroxide. <i>Materials</i> , 2021, 14, 1202.	1.3	1
28	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.	2.4	7
29	Large Cation Engineering in Two-Dimensional Silver-Bismuth Bromide Double Perovskites. <i>Chemistry of Materials</i> , 2021, 33, 4688-4700.	3.2	25
30	Metastable wetting model of electrospun mats with wrinkled fibers. <i>Applied Surface Science</i> , 2021, 551, 149147.	3.1	2
31	Damage-tolerant 3D-printed ceramics via conformal coating. <i>Science Advances</i> , 2021, 7, .	4.7	32
32	Role of active metals Cu, Co, and Ni on ceria towards CO ₂ thermo-catalytic hydrogenation. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2021, 133, 699-711.	0.8	2
33	Fast and accurate lacunarity calculation for large 3D micro-CT datasets. <i>Acta Materialia</i> , 2021, 214, 116970.	3.8	15
34	M(II)Al ₄ Type Layered Double Hydroxides Preparation Using Mechanochemical Route, Structural Characterization and Catalytic Application. <i>Materials</i> , 2021, 14, 4880.	1.3	5
35	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.	4.0	5
36	Superhydrophobic self-similar nonwoven-titanate nanostructured materials. <i>Journal of Colloid and Interface Science</i> , 2021, 598, 93-103.	5.0	11

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37	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.	2.6	15
38	Lightweight porous silica foams with extreme-low dielectric permittivity and loss for future 6G wireless communication technologies. <i>Nano Research</i> , 2021, 14, 1450-1456.	5.8	20
39	Size controlled Pt over mesoporous NiO nanocomposite catalysts: thermal catalysis vs. photocatalysis. <i>Journal of Porous Materials</i> , 2021, 28, 605-615.	1.3	2
40	Sol-Gel Synthesis of Ceria-Zirconia-Based High-Entropy Oxides as High-Promotion Catalysts for the Synthesis of 1,2-Diketones from Aldehyde. <i>Molecules</i> , 2021, 26, 6115.	1.7	9
41	Hierarchical Self-Assembly of Metal-Ion-Modulated Chitosan Tubules. <i>Langmuir</i> , 2021, 37, 12690-12696.	1.6	9
42	C ₆₀ /Br ₂₄ /SWCNT: A Highly Sensitive Medium to Detect H ₂ S via Inhomogeneous Carrier Doping. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 59067-59075.	4.0	5
43	Fast optical method for characterizing plasmonic nanoparticle adhesion on functionalized surfaces. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3395-3404.	1.9	2
44	Luminescence and color properties of Ho ³⁺ co-activated Sr ₄ Al ₁₄ O ₂₅ : Eu ²⁺ , Dy ³⁺ phosphors. <i>Journal of Luminescence</i> , 2020, 220, 116980.	1.5	3
45	Î ² -Isocupreidineâ€‘CaAl-layered double hydroxide compositesâ€’heterogenized catalysts for asymmetric Michael addition. <i>Molecular Catalysis</i> , 2020, 482, 110675.	1.0	7
46	Probing the three-dimensional porous and tortuous nature of absorptive glass mat (AGM) separators. <i>Journal of Energy Storage</i> , 2020, 27, 101003.	3.9	6
47	Layered double alkoxides a novel group of layered double hydroxides without water content. <i>Materials Research Letters</i> , 2020, 8, 68-74.	4.1	7
48	Niâ€‘Znâ€‘Al-Based Oxide/Spinel Nanostructures for High Performance, Methane-Selective CO ₂ Hydrogenation Reactions. <i>Catalysis Letters</i> , 2020, 150, 1527-1536.	1.4	11
49	On the effects of milling and thermal regeneration on the luminescence properties of Eu ²⁺ and Dy ³⁺ doped strontium aluminate phosphors. <i>Journal of Luminescence</i> , 2020, 219, 116917.	1.5	29
50	Mechanochemical and wet chemical syntheses of CaIn-layered double hydroxide and its performance in a transesterification reaction compared to those of other Ca ₂ M(III) hydrocalumites (M: Al, Sc, V, Cr,) Tj ETQq0 0 0.1gBT /Oz+lock 10 T		
51	Out-of-plane auxetic nonwoven as a designer meta-biomaterial. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 112, 104069.	1.5	11
52	Controlled Size Reduction of Liquid Exfoliated Graphene Micro-Sheets via Tip Sonication. <i>Crystals</i> , 2020, 10, 1049.	1.0	5
53	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.	1.0	3
54	The Structure and Thermal Properties of Solid Ternary Compounds Forming with Ca ²⁺ , Al ³⁺ and Heptagluconate Ions. <i>Molecules</i> , 2020, 25, 4715.	1.7	1

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55	A Stimulus-Responsive Polymer Composite Surface with Magnetic Field-Governed Wetting and Photocatalytic Properties. <i>Polymers</i> , 2020, 12, 1890.	2.0	8
56	Influence of the Size and Type of Pores on Brick Resistance to Freeze-Thaw Cycles. <i>Materials</i> , 2020, 13, 3717.	1.3	14
57	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.	1.5	8
58	Differential Precipitation of Mg(OH) ₂ from CaSO ₄ ·2H ₂ O Using Citrate as Inhibitor—A Promising Concept for Reagent Recovery from MgSO ₄ Waste Streams. <i>Molecules</i> , 2020, 25, 5012.	1.7	6
59	Rational Sol-Gel-Based Synthesis Design and Magnetic, Dielectric, and Optical Properties Study of Nanocrystalline Sr ₃ Co ₂ WO ₉ Triple Perovskite. <i>Journal of Physical Chemistry C</i> , 2020, 124, 12794-12807.	1.5	19
60	CuIbIOI is an efficient novel catalyst in Ullmann-type CN couplings with wide scope—A rare non-photocatalytic application. <i>Molecular Catalysis</i> , 2020, 493, 111072.	1.0	3
61	Cost-effective ion-tuning of Birnessite structures for efficient ORR electrocatalysts. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 16266-16276.	3.8	7
62	One-pot mechanochemical ball milling synthesis of the MnO _x nanostructures as efficient catalysts for CO ₂ hydrogenation reactions. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 13999-14012.	1.3	15
63	Rh-induced Support Transformation and Rh Incorporation in Titanate Structures and Their Influence on Catalytic Activity. <i>Catalysts</i> , 2020, 10, 212.	1.6	10
64	Characterization of the solvent specific evaporation from a fluoropolymer surface roughened by layered double oxide (LDO) particles. <i>Journal of Molecular Liquids</i> , 2020, 305, 112826.	2.3	4
65	Microcomputed tomography-based characterization of advanced materials: a review. <i>Materials Today Advances</i> , 2020, 8, 100084.	2.5	64
66	Influence of stabilizers on the structure and properties of Cd _x Zn _{1-x} S nanoparticles by sonochemical method. <i>Inorganic and Nano-Metal Chemistry</i> , 2020, 50, 808-815.	0.9	9
67	Wetting and evaporation on a carbon cloth type gas diffusion layer for passive direct alcohol fuel cells. <i>Journal of Molecular Liquids</i> , 2020, 304, 112698.	2.3	14
68	Ultrasound-Assisted Hydrazine Reduction Method for the Preparation of Nickel Nanoparticles, Physicochemical Characterization and Catalytic Application in Suzuki-Miyaura Cross-Coupling Reaction. <i>Nanomaterials</i> , 2020, 10, 632.	1.9	12
69	Ambient pressure CO ₂ hydrogenation over a cobalt/manganese-oxide nanostructured interface: A combined in situ and ex situ study. <i>Journal of Catalysis</i> , 2020, 386, 70-80.	3.1	34
70	Flexible planar supercapacitors by straightforward filtration and laser processing steps. <i>Nanotechnology</i> , 2020, 31, 495403.	1.3	4
71	High-speed tracking of fast chemical precipitations. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 11345-11350.	1.3	11
72	Magnetic-Field-Manipulated Growth of Flow-Driven Precipitate Membrane Tubes. <i>Chemistry - A European Journal</i> , 2019, 25, 14826-14833.	1.7	12

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73	Electron Microscopy Investigation of Coated Multiwall Carbon Nanotubes Prepared by Reactive Ball Milling. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 502-508.	0.9	1
74	Synergetic of Pt Nanoparticles and H-ZSM-5 Zeolites for Efficient CO ₂ Activation: Role of Interfacial Sites in High Activity. <i>Frontiers in Materials</i> , 2019, 6, .	1.2	26
75	A critical review on the absorptive glass mat (AGM) separators synergistically designed via fiber and structural parameters. <i>Journal of Power Sources</i> , 2019, 430, 175-192.	4.0	12
76	Noble-metal-free and Pt nanoparticles-loaded, mesoporous oxides as efficient catalysts for CO ₂ hydrogenation and dry reforming with methane. <i>Journal of CO₂ Utilization</i> , 2019, 32, 106-118.	3.3	39
77	Lightweight Hierarchical Carbon Nanocomposites with Highly Efficient and Tunable Electromagnetic Interference Shielding Properties. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 19331-19338.	4.0	105
78	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.	2.3	4
79	Beyond Nanoparticles: The Role of Sub-nanosized Metal Species in Heterogeneous Catalysis. <i>Catalysis Letters</i> , 2019, 149, 1441.	1.4	15
80	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.	3.8	12
81	Placing Ni(II) Ions in Various Positions In/On Layered Double Hydroxides: Synthesis, Characterization and Testing in C-C Coupling Reactions. <i>Catalysis Letters</i> , 2019, 149, 2899-2905.	1.4	1
82	Structural reconstruction of mechanochemically disordered CaFe-layered double hydroxide. <i>Applied Clay Science</i> , 2019, 174, 138-145.	2.6	21
83	Pore Structure as a Response to the Freeze/Thaw Resistance of Mortars. <i>Materials</i> , 2019, 12, 3196.	1.3	28
84	Directional coupling in spatially distributed nanoreactors. <i>RSC Advances</i> , 2019, 9, 40745-40749.	1.7	0
85	Novel route to synthesize CaAl- and MgAl-layered double hydroxides with highly regular morphology. <i>Journal of Sol-Gel Science and Technology</i> , 2019, 89, 844-851.	1.1	10
86	Mechanochemically modified hydrazine reduction method for the synthesis of nickel nanoparticles and their catalytic activities in the Suzuki-Miyaura cross-coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 857-868.	0.8	8
87	Designed Pt Promoted 3D Mesoporous Co ₃ O ₄ Catalyst in CO ₂ Hydrogenation. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 436-441.	0.9	5
88	Size-Dependent H ₂ Sensing Over Supported Pt Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 459-464.	0.9	2
89	Co(II)-amino acid-CaAl-layered double hydroxide composites – Construction and characterization. <i>Journal of Molecular Structure</i> , 2019, 1179, 263-268.	1.8	5
90	Optimal design of absorptive glass mat (AGM) separator with fastest electrolyte uptake using X-ray micro-computed tomography. <i>Journal of Energy Storage</i> , 2019, 21, 505-509.	3.9	4

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91	Effects of medium and nickel salt source in the synthesis and catalytic performance of nano-sized nickel in the Suzuki-Miyaura cross-coupling reaction. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2019, 126, 841-855.	0.8	1
92	The aggregation behaviour of 2H-imidazole-2-thione derivatives in solution, the solid state and over polycrystalline gold surface. <i>Journal of Molecular Structure</i> , 2019, 1180, 26-30.	1.8	0
93	Noble-Metal-Free Iron Nitride/Nitrogen-Doped Graphene Composite for the Oxygen Reduction Reaction. <i>ACS Omega</i> , 2019, 4, 130-139.	1.6	29
94	Outstanding Activity and Selectivity of Controlled Size Pt Nanoparticles Over WO ₃ Nanowires in Ethanol Decomposition Reaction. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 478-483.	0.9	6
95	Ball Milling of Copper Powder Under Dry and Surfactant-Assisted Conditions—On the Way Towards Cu/Cu ₂ O Nanocatalyst. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 389-394.	0.9	9
96	Effect of Particle Restructuring During Reduction Processes Over Polydopamine-Supported Pd Nanoparticles. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 484-491.	0.9	6
97	The Synthesis and Use of Nano Nickel Catalysts. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 453-458.	0.9	7
98	In Situ DRIFTS and NAP-XPS Exploration of the Complexity of CO ₂ Hydrogenation over Size-Controlled Pt Nanoparticles Supported on Mesoporous NiO. <i>Journal of Physical Chemistry C</i> , 2018, 122, 5553-5565.	1.5	72
99	Interaction between amino-functionalized inorganic nanoshells and acid-autocatalytic reactions. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 13365-13369.	1.3	1
100	Effect of sonication time on the synthesis of the CdS nanoparticle based multiwall carbon nanotube — maleic anhydride — 1-octene nanocomposites. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2018, 26, 255-262.	1.0	8
101	Production of meloxicam suspension using pulsed laser ablation in liquid (PLAL) technique. <i>Journal Physics D: Applied Physics</i> , 2018, 51, 165401.	1.3	14
102	A mineralogically-inspired silver—bismuth hybrid material: an efficient heterogeneous catalyst for the direct synthesis of nitriles from terminal alkynes. <i>Green Chemistry</i> , 2018, 20, 1007-1019.	4.6	16
103	Diversity of Pd-Cu active sites supported on pristine carbon nanotubes in terms of water denitration structure sensitivity. <i>Applied Catalysis A: General</i> , 2018, 559, 187-194.	2.2	12
104	One step synthesis of chlorine-free Pt/Nitrogen-doped graphene composite for oxygen reduction reaction. <i>Carbon</i> , 2018, 133, 90-100.	5.4	25
105	Random networks of core-shell-like Cu-Cu ₂ O/CuO nanowires as surface plasmon resonance-enhanced sensors. <i>Scientific Reports</i> , 2018, 8, 4708.	1.6	20
106	Syntheses, characterization and catalytic activities of CaAl-layered double hydroxide intercalated Fe(III)-amino acid complexes. <i>Catalysis Today</i> , 2018, 306, 42-50.	2.2	10
107	Design of catalytic carbon nanotube-based reactor for water denitration — The impact of active metal confinement. <i>Applied Catalysis B: Environmental</i> , 2018, 225, 207-217.	10.8	23
108	Quantitative Tracking of the Oxidation of Black Phosphorus in the Few-Layer Regime. <i>ACS Omega</i> , 2018, 3, 12482-12488.	1.6	31

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109	Self-similar arrays of carbon nanotubes and nonwoven fibers with tunable surface wettability. <i>Materials Letters</i> , 2018, 228, 133-136.	1.3	4
110	Toxicity and uptake of nanoparticulate and bulk ZnO in nematodes with different life strategies. <i>Ecotoxicology</i> , 2018, 27, 1058-1068.	1.1	14
111	Co4N/nitrogen-doped graphene: A non-noble metal oxygen reduction electrocatalyst for alkaline fuel cells. <i>Applied Catalysis B: Environmental</i> , 2018, 237, 826-834.	10.8	80
112	Tuning the Activity and Selectivity of Phenylacetylene Hydrosilylation with Triethylsilane in the Liquid Phase over Size Controlled Pt Nanoparticles. <i>Catalysts</i> , 2018, 8, 22.	1.6	7
113	Morphology Conserving High Efficiency Nitrogen Doping of Titanate Nanotubes by NH ₃ Plasma. <i>Topics in Catalysis</i> , 2018, 61, 1263-1273.	1.3	5
114	Acetone improves the topographical homogeneity of liquid phase exfoliated few-layer black phosphorus flakes. <i>Nanotechnology</i> , 2018, 29, 365303.	1.3	16
115	Ultrasonically-enhanced preparation, characterization of CaFe-layered double hydroxides with various interlayer halide, azide and oxo anions (CO ₃ ²⁻ , NO ₃ ⁻ , ClO ₄ ⁻). <i>Ultrasonics Sonochemistry</i> , 2018, 40, 853-860.	3.8	27
116	Morphology conserving aminopropyl functionalization of hollow silica nanospheres in toluene. <i>Journal of Molecular Structure</i> , 2017, 1140, 83-88.	1.8	12
117	Potential solvents in coupling reactions catalyzed by Cu(II)Fe(III)-layered double hydroxide in a continuous-flow reactor. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 345-351.	0.8	2
118	Systematic comparison of saturation effects and afterglow properties of Sr ₄ Al ₁₄ O ₂₅ :Eu, Dy phosphor excited by alpha and beta ionizing sources and UV light. <i>Journal of Molecular Structure</i> , 2017, 1140, 89-98.	1.8	5
119	Borate-containing layered double hydroxide composites: synthesis, characterization and application as catalysts in the Beckmann rearrangement reaction of cyclohexanone oxime. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 241-254.	0.8	2
120	Silica-Based Catalyst Supports Are Inert, Are They Not?: Striking Differences in Ethanol Decomposition Reaction Originated from Meso- and Surface-Fine-Structure Evidenced by Small-Angle X-ray Scattering. <i>Journal of Physical Chemistry C</i> , 2017, 121, 5130-5136.	1.5	12
121	pH-regulated antimony oxychloride nanoparticle formation on titanium oxide nanostructures: a photocatalytically active heterojunction. <i>CrystEngComm</i> , 2017, 19, 1408-1416.	1.3	3
122	Mn(II)-containing layered double hydroxide composites: synthesis, characterization and an application in Ullmann diaryl etherification. <i>Reaction Kinetics, Mechanisms and Catalysis</i> , 2017, 121, 175-184.	0.8	2
123	Exploring Pd/Al ₂ O ₃ Catalysed Redox Isomerisation of Allyl Alcohol as a Platform to Create Structural Diversity. <i>Catalysis Letters</i> , 2017, 147, 1834-1843.	1.4	3
124	Kinetic, equilibrium and thermodynamic studies of thiamethoxam adsorption by multi-walled carbon nanotubes. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1297-1306.	1.8	10
125	Determination of the platinum concentration of a Pt/silica nanocomposite decorated with ultra small Pt nanoparticles using single particle inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , 2017, 32, 996-1003.	1.6	21
126	Photoelectrochemistry by Design: Tailoring the Nanoscale Structure of Pt/NiO Composites Leads to Enhanced Photoelectrochemical Hydrogen Evolution Performance. <i>Journal of Physical Chemistry C</i> , 2017, 121, 12148-12158.	1.5	20

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127	Titania nanotube stabilized BiOCl nanoparticles in visible-light photocatalysis. RSC Advances, 2017, 7, 16410-16422.	1.7	15
128	Room temperature ethanol sensor with sub-ppm detection limit: Improving the optical response by using mesoporous silica foam. Sensors and Actuators B: Chemical, 2017, 243, 1205-1213.	4.0	18
129	Thin-walled nanoscrolls by multi-step intercalation from tubular halloysite-10 Å... and its rearrangement upon peroxide treatment. Applied Surface Science, 2017, 399, 245-254.	3.1	16
130	From nicotinate-containing layered double hydroxides (LDHs) to NAD coenzymeâ€“LDH nanocomposites â€“ Syntheses and structural characterization by various spectroscopic methods. Journal of Molecular Structure, 2017, 1140, 39-45.	1.8	2
131	Photocatalytic performance of Sr 4 Al 14 O 25 :Eu,Dy phosphor assisted ZnO:Co+Ag nanocomposite under continuous and pulsed illumination. Catalysis Today, 2017, 284, 107-113.	2.2	22
132	Synthesis, characterization and photocatalytic activity of crystalline Mn(II)Cr(III)-layered double hydroxide. Catalysis Today, 2017, 284, 195-201.	2.2	26
133	Molybdenum anchoring effect in Feâ€“Mo/MgO catalyst for multiwalled carbon nanotube synthesis. Reaction Kinetics, Mechanisms and Catalysis, 2017, 122, 775-791.	0.8	11
134	Nitridation of one-dimensional tungsten oxide nanostructures: Changes in structure and photoactivity. Electrochimica Acta, 2017, 256, 299-306.	2.6	14
135	Facile synthesis route of graphene-like structures from multiwall carbon nanotubes. Fullerenes Nanotubes and Carbon Nanostructures, 2017, 25, 540-544.	1.0	8
136	Ni-Amino Acidâ€“CaAl-Layered Double Hydroxide Composites: Construction, Characterization and Catalytic Properties in Oxidative Transformations. Topics in Catalysis, 2017, 60, 1429-1438.	1.3	7
137	Portable cyber-physical system for indoor and outdoor gas sensing. Sensors and Actuators B: Chemical, 2017, 252, 983-990.	4.0	15
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