

Abdulaziz Ahmed Bagabas

List of Publications by Year in descending order

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Version: 2024-02-01

51
papers

1,158
citations

471509

17
h-index

395702

33
g-index

54
all docs

54
docs citations

54
times ranked

2002
citing authors

#	ARTICLE	IF	CITATIONS
1	Visible-light photocatalysis on C-doped ZnO derived from polymer-assisted pyrolysis. RSC Advances, 2015, 5, 27690-27698.	3.6	158
2	Radially oriented mesoporous TiO ₂ microspheres with single-crystal-like anatase walls for high-efficiency optoelectronic devices. Science Advances, 2015, 1, e1500166.	10.3	139
3	Room-temperature synthesis of zinc oxide nanoparticles in different media and their application in cyanide photodegradation. Nanoscale Research Letters, 2013, 8, 516.	5.7	100
4	Ordered Macro/Mesoporous TiO ₂ Hollow Microspheres with Highly Crystalline Thin Shells for High-Efficiency Photoconversion. Small, 2016, 12, 860-867.	10.0	71
5	The influence of the textural properties of ZnO nanoparticles on adsorption and photocatalytic remediation of water from pharmaceuticals. Catalysis Today, 2015, 241, 47-54.	4.4	63
6	The effect of modifier identity on the performance of Ni-based catalyst supported on γ -Al ₂ O ₃ in dry reforming of methane. Catalysis Today, 2020, 348, 236-242.	4.4	46
7	Promotional effect of magnesium oxide for a stable nickel-based catalyst in dry reforming of methane. Scientific Reports, 2020, 10, 13861.	3.3	42
8	Effect of iron oxide loading on the phase transformation and physicochemical properties of nanosized mesoporous ZrO ₂ . Materials Research Bulletin, 2012, 47, 3463-3472.	5.2	37
9	An Efficient and Low-Cost Method for the Purification of Colloidal Nanoparticles. Angewandte Chemie - International Edition, 2011, 50, 6538-6542.	13.8	34
10	Significant Formation of Adipic Acid by Direct Oxidation of Cyclohexane Using Supported Nano-Gold Catalysts. ChemCatChem, 2012, 4, 1330-1336.	3.7	33
11	Synthesis, characterization, and antimicrobial application of nano-palladium-doped nano-WO ₃ . Journal of Molecular Catalysis A, 2010, 323, 78-83.	4.8	32
12	γ -Cyclodextrin Cuprate Sandwich-Type Complexes. Inorganic Chemistry, 2013, 52, 2854-2861.	4.0	29
13	Dry reforming of methane over ZrO ₂ -supported Co-Mo carbide catalyst. Applied Petrochemical Research, 2014, 4, 137-144.	1.3	27
14	Enhanced propylene oxide selectivity for gas phase direct propylene epoxidation by lattice expansion of silver atoms on nickel nanoparticles. Applied Catalysis B: Environmental, 2019, 243, 304-312.	20.2	26
15	Green and sonogreen synthesis of zinc oxide nanoparticles for the photocatalytic degradation of methylene blue in water. Nanotechnology for Environmental Engineering, 2019, 4, 1.	3.3	25
16	Role of Mixed Oxides in Hydrogen Production through the Dry Reforming of Methane over Nickel Catalysts Supported on Modified γ -Al ₂ O ₃ . Processes, 2021, 9, 157.	2.8	22
17	Separation of propylene and propane by alkylimidazolium thiocyanate ionic liquids with Cu + salt. Separation and Purification Technology, 2015, 156, 356-362.	7.9	20
18	Mononuclear gold species anchored on TS-1 framework as catalyst precursor for selective epoxidation of propylene. Journal of Catalysis, 2018, 367, 229-233.	6.2	20

#	ARTICLE	IF	CITATIONS
19	Catalytic Performance of Metal Oxides Promoted Nickel Catalysts Supported on Mesoporous γ -Alumina in Dry Reforming of Methane. <i>Processes</i> , 2020, 8, 522.	2.8	18
20	Combined Magnesia, Ceria and Nickel catalyst supported over γ -Alumina Doped with Titania for Dry Reforming of Methane. <i>Catalysts</i> , 2019, 9, 188.	3.5	16
21	Potential of Supported Gold Bimetallic Catalysts for Green Synthesis of Adipic Acid from Cyclohexane. <i>Topics in Catalysis</i> , 2015, 58, 1069-1076.	2.8	13
22	Photodegradation of rhodamine B over semiconductor supported gold nanoparticles: The effect of semiconductor support identity. <i>Arabian Journal of Chemistry</i> , 2019, 12, 1406-1412.	4.9	13
23	Microwave-assisted synthesis of monodispersed CdTe nanocrystals. <i>Chemical Communications</i> , 2010, 46, 4971.	4.1	12
24	Gas phase selective propylene epoxidation over La_2O_3 -supported cubic silver nanoparticles. <i>Catalysis Science and Technology</i> , 2019, 9, 3435-3444.	4.1	12
25	Laser-induced photocatalytic inactivation of coliform bacteria from water using pd-loaded nano- WO_3 . <i>Studies in Surface Science and Catalysis</i> , 2010, 175, 279-282.	1.5	11
26	Cu-ZnO Composite Catalysts for the Synthesis of Methyl Isobutyl Ketone via Single Step Gas Phase Acetone Self-Condensation. <i>Catalysis Letters</i> , 2014, 144, 1278-1288.	2.6	10
27	A study of laser-induced blue emission with nanosecond decay of silicon nanoparticles synthesized by a chemical etching method. <i>Nanotechnology</i> , 2009, 20, 355703.	2.6	9
28	Hydrogen Storage in Untreated/Ammonia-Treated and Transition Metal-Decorated (Pt, Pd, Ni, Rh, Ir and) $\text{Tj ETQq0 0,0 rgBT /O}$ verlock 10	2.5	9
29	Utilization of Incense Stick Ash in Hydrometallurgy Methods for Extracting Oxides of Fe, Al, Si, and Ca. <i>Materials</i> , 2022, 15, 1879.	2.9	9
30	Direct oxidation of cyclohexane to adipic acid using nano-gold catalysts. <i>Applied Petrochemical Research</i> , 2012, 2, 61-67.	1.3	8
31	Rapid thermally assisted donor-acceptor catenation. <i>Chemical Communications</i> , 2012, 48, 9141.	4.1	8
32	Bimetallic single-source precursor for the synthesis of pure nanocrystalline room temperature-stabilized NiMoO_4 . <i>Ceramics International</i> , 2016, 42, 1366-1372.	4.8	8
33	Synthesis, crystal structure, and characterization of cyclohexylammonium tetrathiothiocyanatocobaltate(II): A single-source precursor for cobalt sulfide and oxide nanostructures. <i>Heliyon</i> , 2019, 5, e01139.	3.2	8
34	Optimizing MgO Content for Boosting γ - Al_2O_3 -Supported Ni Catalyst in Dry Reforming of Methane. <i>Catalysts</i> , 2021, 11, 1233.	3.5	8
35	The effect of lanthanum addition on the catalytic activity of γ -alumina supported bimetallic Co-Mo carbides for dry methane reforming. <i>Applied Petrochemical Research</i> , 2014, 4, 145-156.	1.3	7
36	Storage and separation of methane and carbon dioxide using platinum- decorated activated carbons treated with ammonia. <i>Materials Research Express</i> , 2021, 8, 025503.	1.6	7

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37	Nanosize Gold Promoted Vanadium Oxide Catalysts for Ammoxidation of 2-Methylpyrazine to 2-Cyanopyrazine. <i>Topics in Catalysis</i> , 2015, 58, 1062-1068.	2.8	6
38	Effect of the Nature of Metal Nanoparticles on the Photocatalytic Degradation of Rhodamine B. <i>Topics in Catalysis</i> , 2019, 62, 786-794.	2.8	6
39	Lithium-Based Upconversion Nanoparticles for High Performance Perovskite Solar Cells. <i>Nanomaterials</i> , 2021, 11, 2909.	4.1	6
40	Synthesis, X-ray crystal structure, spectroscopic characterization, and thermal chemistry precursor for nano-crystalline zincite. <i>Main Group Chemistry</i> , 2008, 7, 65-81.	0.8	4
41	Crystal structure of cyclohexylammonium thiocyanate. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2015, 71, o62-o63.	0.5	4
42	Ultrasound-assisted green biosynthesis of ZnO nanoparticles and their photocatalytic application. <i>Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences</i> , 2021, 76, 535-547.	1.5	4
43	Synthesis of w-CdS quantum dots and discovery of intense sub band emission owing to longitudinal optical phonons. <i>Journal of Nanoparticle Research</i> , 2011, 13, 3835-3842.	1.9	3
44	Cyclohexylammonium nitrate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2014, 70, o253-o254.	0.2	3
45	Acetone Reaction with Hydrogen over Mesoporous Magnesium Oxide-Supported Rhodium Nanoparticles. <i>Topics in Catalysis</i> , 2019, 62, 795-804.	2.8	3
46	Synthesis, Characterization, and Cyanide Photodegradation Over Cupric Oxide-Doped Zinc Oxide Nanoparticles. <i>ACS Symposium Series</i> , 2013, , 327-338.	0.5	2
47	Preparation and characterization of polystyrene/neodymium hydroxide (PS/Nd(OH) ₃) nano-composites. <i>Materials Research Express</i> , 2018, 5, 035305.	1.6	2
48	High Surface Area of Polyhedral Chromia and Hexagonal Chromium Sulfide by the Thermolysis of Cyclohexylammonium Hexaisothiocyanatochromate(III) Sesquihydrate. <i>ChemistrySelect</i> , 2021, 6, 4298-4311.	1.5	2
49	Magnetic Properties of Some Hydrated Transition Metal Oxide and Hydroxide Nanoparticles Synthesized in Different Media. <i>Advanced Materials Research</i> , 2010, 123-125, 727-730.	0.3	1
50	Synthesis and crystal structure of N,N-dimethylformamide solvate of thiocyanuric acid. <i>Applied Petrochemical Research</i> , 2017, 7, 181-186.	1.3	1
51	Cyclohexylammonium Hexaisothiocyanatonickelate(II) Dihydrate as a Single-Source Precursor for High Surface Area Nickel Oxide and Sulfide Nanocrystals. <i>Crystals</i> , 2022, 12, 315.	2.2	0