

Salem M Bawaked

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

39
papers

1,226
citations

22
h-index

34
g-index

42
ext. papers

1,354
ext. citations

6.9
avg, IF

4.05
L-index

#	Paper	IF	Citations
39	Ultraviolet Radiation Induced Dopant Loss in a TiO ₂ Photocatalyst. <i>ACS Catalysis</i> , 2017 , 7, 1485-1490	13.1	13
38	Effects of Nd-, Pr-, Tb- and Y-doping on the structural, textural, electrical and N ₂ O decomposition activity of mesoporous NiO nanoparticles. <i>Applied Surface Science</i> , 2017 , 419, 399-408	6.7	25
37	Graphene-oxide-supported CuAl and CoAl layered double hydroxides as enhanced catalysts for carbon-carbon coupling via Ullmann reaction. <i>Journal of Solid State Chemistry</i> , 2017 , 246, 130-137	3.3	36
36	Dopant stability in multifunctional doped TiO ₂ 's under environmental UVA exposure. <i>Environmental Science: Nano</i> , 2017 , 4, 1108-1113	7.1	1
35	Hybrid effects in graphene oxide/carbon nanotube-supported layered double hydroxides: enhancing the CO ₂ sorption properties. <i>Carbon</i> , 2017 , 123, 616-627	10.4	34
34	A Simulation Study for Trimetallic Nanosized Alloy (Ni, Cu, and Ag) in Hydrogenation of Organic Compounds: A Case Study of Nitrophenols <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-8	3.2	1
33	A single-source precursor approach to solution processed indium arsenide thin films. <i>Journal of Materials Chemistry C</i> , 2016 , 4, 6761-6768	7.1	12
32	Cross-linked single-walled carbon nanotube aerogel electrodes via reductive coupling chemistry. <i>Journal of Materials Chemistry A</i> , 2016 , 4, 5385-5389	13	26
31	Bismuth oxyhalides: synthesis, structure and photoelectrochemical activity. <i>Chemical Science</i> , 2016 , 7, 4832-4841	9.4	197
30	Rare Earth-Promoted Nickel Oxide Nanoparticles as Catalysts for N ₂ O Direct Decomposition. <i>Catalysts</i> , 2016 , 6, 70	4	17
29	Graphene oxide/mixed metal oxide hybrid materials for enhanced adsorption desulfurization of liquid hydrocarbon fuels. <i>Fuel</i> , 2016 , 181, 531-536	7.1	54
28	Stepwise construction of extra-large heterometallic calixarene-based cages. <i>Inorganic Chemistry</i> , 2015 , 54, 3183-8	5.1	46
27	Highly Photocatalytically Active Iron(III) Titanium Oxide Thin films via Aerosol-Assisted CVD. <i>Chemical Vapor Deposition</i> , 2015 , 21, 21-25		7
26	The use of time resolved aerosol assisted chemical vapour deposition in mapping metal oxide thin film growth and fine tuning functional properties. <i>Journal of Materials Chemistry A</i> , 2015 , 3, 4811-4819	13	5
25	Self-condensation of acetone over MgAl layered double hydroxide supported on multi-walled carbon nanotube catalysts. <i>Journal of Molecular Catalysis A</i> , 2015 , 398, 50-57		15
24	Effect of pretreatment temperature on the photocatalytic activity of microwave irradiated porous nanocrystalline ZnO. <i>New Journal of Chemistry</i> , 2015 , 39, 321-332	3.6	25
23	Joule Heating Characteristics of Emulsion-Templated Graphene Aerogels. <i>Advanced Functional Materials</i> , 2015 , 25, 28-35	15.6	86

22	Effect of Pr, Sm, and Tb Doping on the Morphology, Crystallite Size, and N ₂ O Decomposition Activity of Co ₃ O ₄ Nanorods. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-10	3.2	18
21	Effect of microwave power on the thermal genesis of Co ₃ O ₄ nanoparticles from cobalt oxalate micro-rods. <i>Applied Surface Science</i> , 2015 , 351, 600-609	6.7	42
20	Synthesis and characterization of decanuclear Ln(III) cluster of mixed calix[8]arene-phosphonate ligands (Ln=Pr, Nd). <i>Inorganic Chemistry Communication</i> , 2015 , 54, 34-37	3.1	14
19	Bridging different Co ₄ calix[4]arene building blocks into grids, cages and 2D polymers with chiral camphoric acid. <i>CrystEngComm</i> , 2015 , 17, 1750-1753	3.3	24
18	Solution Processing Route to Multifunctional Titania Thin Films: Highly Conductive and Photocatalytically Active Nb:TiO ₂ . <i>Advanced Functional Materials</i> , 2014 , 24, 5075-5085	15.6	81
17	Combinatorial Atmospheric Pressure CVD of a Composite TiO ₂ /SnO ₂ Thin Film. <i>Chemical Vapor Deposition</i> , 2014 , 20, 69-79		11
16	Alkali-Metal-Templated Assembly of Two High-Nuclearity Cobalt Clusters Based on Thiocalix[4]arene. <i>Crystal Growth and Design</i> , 2014 , 14, 5865-5870	3.5	15
15	A Series of d ¹⁰ Metal Clusters Constructed by 2,6-Bis[3-(pyrazin-2-yl)-1,2,4-triazolyl]pyridine: Crystal Structures and Unusual Luminescences. <i>Crystal Growth and Design</i> , 2014 , 14, 5011-5018	3.5	32
14	NH ₄ ⁺ treatment of TiO ₂ nanotubes: from N-doping to semimetallic conductivity. <i>Chemical Communications</i> , 2014 , 50, 7960-3	5.8	22
13	Aerosol assisted chemical vapor deposition of conductive and photocatalytically active tantalum doped titanium dioxide films. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 12849	13	36
12	Combinatorial aerosol assisted chemical vapour deposition of a photocatalytic mixed SnO ₂ /TiO ₂ thin film. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 5108-5116	13	27
11	Self-decoration of Pt metal particles on TiO ₂ nanotubes used for highly efficient photocatalytic H ₂ production. <i>Chemical Communications</i> , 2014 , 50, 6123-5	5.8	53
10	Generalized Synthesis of Calixarene-Based High-Nuclearity M ₄ n Nanocages (M = Ni or Co; n = 2-8). <i>Crystal Growth and Design</i> , 2014 , 14, 3116-3123	3.5	39
9	Alumina-coated Ag nanocrystal monolayers as surface-enhanced Raman spectroscopy platforms for the direct spectroscopic detection of water splitting reaction intermediates. <i>Nano Research</i> , 2014 , 7, 132-143	10	33
8	Co ₃ O ₄ co-doped TiO ₂ nanoparticles as a selective marker of lead in aqueous solution. <i>New Journal of Chemistry</i> , 2013 , 37, 2888	3.6	30
7	Ta ₃ N ₅ nanowire bundles as visible-light-responsive photoanodes. <i>Chemistry - an Asian Journal</i> , 2013 , 8, 2354-7	4.5	13
6	Implications of the crystal structure of the ammonia solvate [Au(NH ₃) ₂]Cl·4NH ₃ . <i>Inorganic Chemistry</i> , 2013 , 52, 2157-61	5.1	11
5	Combinatorial atmospheric pressure chemical vapor deposition of graded TiO ₂ /VO ₂ mixed-phase composites and their dual functional property as self-cleaning and photochromic window coatings. <i>ACS Combinatorial Science</i> , 2013 , 15, 309-19	3.9	47

4	Aerosol assisted chemical vapour deposition of hydrophobic TiO ₂ /SnO ₂ composite film with novel microstructure and enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , 2013 , 1, 6271	13	50
3	Bis(triphenylphosphine)gold(I) Perrhenate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2013 , 68, 1173-1179	1	2
2	Inversion of enantioselectivity for the hydrogenation of ethyl pyruvate in the gas-phase over Pt/SiO ₂ modified with derivatives of hydroquinidine. <i>Journal of Catalysis</i> , 2006 , 243, 165-170	7.3	11
1	Unexpected inversion of enantioselectivity during the hydrogenation of ethyl pyruvate using hydroquinine and hydroquinidine modified Pt/Al ₂ O ₃ . <i>Catalysis Letters</i> , 2006 , 110, 135-138	2.8	8