

# Salem M Bawaked

## List of Publications by Citations

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39  
papers

1,226  
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22  
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42  
ext. papers

1,354  
ext. citations

6.9  
avg, IF

4.05  
L-index

#	Paper	IF	Citations
39	Bismuth oxyhalides: synthesis, structure and photoelectrochemical activity. <i>Chemical Science</i> , <b>2016</b> , 7, 4832-4841	9.4	197
38	Joule Heating Characteristics of Emulsion-Templated Graphene Aerogels. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 28-35	15.6	86
37	Solution Processing Route to Multifunctional Titania Thin Films: Highly Conductive and Photocatalytically Active Nb:TiO <sub>2</sub> . <i>Advanced Functional Materials</i> , <b>2014</b> , 24, 5075-5085	15.6	81
36	Graphene oxide/mixed metal oxide hybrid materials for enhanced adsorption desulfurization of liquid hydrocarbon fuels. <i>Fuel</i> , <b>2016</b> , 181, 531-536	7.1	54
35	Self-decoration of Pt metal particles on TiO <sub>2</sub> (2) nanotubes used for highly efficient photocatalytic H <sub>2</sub> (2) production. <i>Chemical Communications</i> , <b>2014</b> , 50, 6123-5	5.8	53
34	Aerosol assisted chemical vapour deposition of hydrophobic TiO <sub>2</sub> /SnO <sub>2</sub> composite film with novel microstructure and enhanced photocatalytic activity. <i>Journal of Materials Chemistry A</i> , <b>2013</b> , 1, 6271	13	50
33	Combinatorial atmospheric pressure chemical vapor deposition of graded TiO <sub>2</sub> /VO <sub>2</sub> mixed-phase composites and their dual functional property as self-cleaning and photochromic window coatings. <i>ACS Combinatorial Science</i> , <b>2013</b> , 15, 309-19	3.9	47
32	Stepwise construction of extra-large heterometallic calixarene-based cages. <i>Inorganic Chemistry</i> , <b>2015</b> , 54, 3183-8	5.1	46
31	Effect of microwave power on the thermal genesis of Co <sub>3</sub> O <sub>4</sub> nanoparticles from cobalt oxalate micro-rods. <i>Applied Surface Science</i> , <b>2015</b> , 351, 600-609	6.7	42
30	Generalized Synthesis of Calixarene-Based High-Nuclearity M <sub>4</sub> n Nanocages (M = Ni or Co; n = 2-8). <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 3116-3123	3.5	39
29	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> , <b>2017</b> , 246, 130-137	3.3	36
28	Aerosol assisted chemical vapor deposition of conductive and photocatalytically active tantalum doped titanium dioxide films. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 12849	13	36
27	Hybrid effects in graphene oxide/carbon nanotube-supported layered double hydroxides: enhancing the CO <sub>2</sub> sorption properties. <i>Carbon</i> , <b>2017</b> , 123, 616-627	10.4	34
26	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> , <b>2014</b> , 7, 132-143	10	33
25	A Series of d <sup>10</sup> 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> , <b>2014</b> , 14, 5011-5018	3.5	32
24	Co <sub>3</sub> O <sub>4</sub> co-doped TiO <sub>2</sub> nanoparticles as a selective marker of lead in aqueous solution. <i>New Journal of Chemistry</i> , <b>2013</b> , 37, 2888	3.6	30
23	Combinatorial aerosol assisted chemical vapour deposition of a photocatalytic mixed SnO <sub>2</sub> /TiO <sub>2</sub> thin film. <i>Journal of Materials Chemistry A</i> , <b>2014</b> , 2, 5108-5116	13	27

22	Cross-linked single-walled carbon nanotube aerogel electrodes via reductive coupling chemistry. <i>Journal of Materials Chemistry A</i> , <b>2016</b> , 4, 5385-5389	13	26
21	Effects of Nd-, Pr-, Tb- and Y-doping on the structural, textural, electrical and N <sub>2</sub> O decomposition activity of mesoporous NiO nanoparticles. <i>Applied Surface Science</i> , <b>2017</b> , 419, 399-408	6.7	25
20	Effect of pretreatment temperature on the photocatalytic activity of microwave irradiated porous nanocrystalline ZnO. <i>New Journal of Chemistry</i> , <b>2015</b> , 39, 321-332	3.6	25
19	Bridging different Co <sub>4</sub> calix[4]arene building blocks into grids, cages and 2D polymers with chiral camphoric acid. <i>CrystEngComm</i> , <b>2015</b> , 17, 1750-1753	3.3	24
18	NH <sub>4</sub> <sup>+</sup> treatment of TiO <sub>2</sub> nanotubes: from N-doping to semimetallic conductivity. <i>Chemical Communications</i> , <b>2014</b> , 50, 7960-3	5.8	22
17	Effect of Pr, Sm, and Tb Doping on the Morphology, Crystallite Size, and N <sub>2</sub> O Decomposition Activity of Co <sub>3</sub> O <sub>4</sub> Nanorods. <i>Journal of Nanomaterials</i> , <b>2015</b> , 2015, 1-10	3.2	18
16	Rare Earth-Promoted Nickel Oxide Nanoparticles as Catalysts for N <sub>2</sub> O Direct Decomposition. <i>Catalysts</i> , <b>2016</b> , 6, 70	4	17
15	Self-condensation of acetone over Mg/Al layered double hydroxide supported on multi-walled carbon nanotube catalysts. <i>Journal of Molecular Catalysis A</i> , <b>2015</b> , 398, 50-57		15
14	Alkali-Metal-Templated Assembly of Two High-Nuclearity Cobalt Clusters Based on Thiocalix[4]arene. <i>Crystal Growth and Design</i> , <b>2014</b> , 14, 5865-5870	3.5	15
13	Synthesis and characterization of decanuclear Ln(III) cluster of mixed calix[8]arene-phosphonate ligands (Ln=Pr, Nd). <i>Inorganic Chemistry Communication</i> , <b>2015</b> , 54, 34-37	3.1	14
12	Ultraviolet Radiation Induced Dopant Loss in a TiO <sub>2</sub> Photocatalyst. <i>ACS Catalysis</i> , <b>2017</b> , 7, 1485-1490	13.1	13
11	Ta <sub>3</sub> N <sub>5</sub> nanowire bundles as visible-light-responsive photoanodes. <i>Chemistry - an Asian Journal</i> , <b>2013</b> , 8, 2354-7	4.5	13
10	A single-source precursor approach to solution processed indium arsenide thin films. <i>Journal of Materials Chemistry C</i> , <b>2016</b> , 4, 6761-6768	7.1	12
9	Combinatorial Atmospheric Pressure CVD of a Composite TiO <sub>2</sub> /SnO <sub>2</sub> Thin Film. <i>Chemical Vapor Deposition</i> , <b>2014</b> , 20, 69-79		11
8	Implications of the crystal structure of the ammonia solvate [Au(NH <sub>3</sub> ) <sub>2</sub> Cl] <sub>4</sub> NH <sub>3</sub> . <i>Inorganic Chemistry</i> , <b>2013</b> , 52, 2157-61	5.1	11
7	Inversion of enantioselectivity for the hydrogenation of ethyl pyruvate in the gas-phase over Pt/SiO <sub>2</sub> modified with derivatives of hydroquinidine. <i>Journal of Catalysis</i> , <b>2006</b> , 243, 165-170	7.3	11
6	Unexpected inversion of enantioselectivity during the hydrogenation of ethyl pyruvate using hydroquinine and hydroquinidine modified Pt/Al <sub>2</sub> O <sub>3</sub> . <i>Catalysis Letters</i> , <b>2006</b> , 110, 135-138	2.8	8
5	Highly Photocatalytically Active Iron(III) Titanium Oxide Thin films via Aerosol-Assisted CVD. <i>Chemical Vapor Deposition</i> , <b>2015</b> , 21, 21-25		7

4	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> , <b>2015</b> , 3, 4811-4819	13	5
3	Bis(triphenylphosphine)gold(I) Perrhenate. <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , <b>2013</b> , 68, 1173-1179	1	2
2	Dopant stability in multifunctional doped TiO <sub>2</sub> 's under environmental UVA exposure. <i>Environmental Science: Nano</i> , <b>2017</b> , 4, 1108-1113	7.1	1
1	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> , <b>2017</b> , 2017, 1-8	3.2	1