

# Mohamed Khairy

## List of Publications by Year in descending order

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39  
papers

1,097  
citations

393982

19  
h-index

395343

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesoporous aluminosilica sensors for the visual removal and detection of Pd(II) and Cu(II) ions. <i>Microporous and Mesoporous Materials</i> , 2013, 166, 195-205.	2.2	143
2	Electrical and optical properties of nickel ferrite/polyaniline nanocomposite. <i>Journal of Advanced Research</i> , 2015, 6, 555-562.	4.4	137
3	Environmental remediation and monitoring of cadmium. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 62, 56-68.	5.8	85
4	Zinc oxide incorporated carbon nanotubes or graphene oxide nanohybrids for enhanced sonophotocatalytic degradation of methylene blue dye. <i>Applied Surface Science</i> , 2019, 487, 539-549.	3.1	81
5	Synthesis of micro-mesoporous TiO <sub>2</sub> materials assembled via cationic surfactants: Morphology, thermal stability and surface acidity characteristics. <i>Microporous and Mesoporous Materials</i> , 2007, 103, 174-183.	2.2	44
6	Comparative studies on the impact of synthesis methods on structural, optical, magnetic and catalytic properties of CuFe <sub>2</sub> O <sub>4</sub> . <i>Ceramics International</i> , 2019, 45, 6535-6540.	2.3	42
7	Nanostructured ferrite/graphene/polyaniline using for supercapacitor to enhance the capacitive behavior. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 995-1005.	1.2	41
8	Enhancement of Photocatalytic and Sonophotocatalytic Degradation of 4-nitrophenol by ZnO/Graphene Oxide and ZnO/Carbon Nanotube Nanocomposites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 396, 112507.	2.0	41
9	Activity and stability studies of titanates and titanate-carbon nanotubes supported Ag anode catalysts for direct methanol fuel cell. <i>Journal of Power Sources</i> , 2016, 304, 255-265.	4.0	38
10	Synthesis and structural characterization of TiO <sub>2</sub> and V <sub>2</sub> O <sub>5</sub> /TiO <sub>2</sub> nanoparticles assembled by the anionic surfactant sodium dodecyl sulfate. <i>Microporous and Mesoporous Materials</i> , 2006, 97, 66-77.	2.2	31
11	Nitrogen Graphene: A New and Exciting Generation of Visible Light Driven Photocatalyst and Energy Storage Application. <i>ACS Omega</i> , 2018, 3, 1801-1814.	1.6	28
12	Effect of particle size and morphological structure on the physical properties of NiFe <sub>2</sub> O <sub>4</sub> for supercapacitor application. <i>Journal of Materials Research and Technology</i> , 2022, 19, 3521-3535.	2.6	28
13	Structural and Electrical Characterization of Ba/ZnO Nanoparticles Fabricated by Co-precipitation. <i>Journal of Inorganic and Organometallic Polymers and Materials</i> , 2020, 30, 2633-2644.	1.9	26
14	SnO <sub>2</sub> ( <sup>2+</sup> Bi <sub>2</sub> O <sub>3</sub> )/Bi <sub>2</sub> O <sub>3</sub> /SnO <sub>2</sub> nanohybrids doped with Pt and Pd nanoparticles: applications in visible light photocatalysis, electrical conductivity and dye-sensitized solar cells. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 21716-21728.	1.3	23
15	Synthesis of nano-zinc oxide with different morphologies and its application on fabrics for UV protection and microbe-resistant defense clothing. <i>Textile Research Journal</i> , 2020, 90, 2492-2503.	1.1	23
16	Polyethylene glycol assisted one-pot hydrothermal synthesis of NiWO <sub>4</sub> /WO <sub>3</sub> heterojunction for direct Methanol fuel cells. <i>Electrochimica Acta</i> , 2018, 263, 286-298.	2.6	22
17	Photovoltaic and capacitance performance of low-resistance ZnO nanorods incorporated into carbon nanotube-graphene oxide nanocomposites. <i>Electrochimica Acta</i> , 2019, 307, 430-441.	2.6	21
18	Optical and kinetics of thermal decomposition of PMMA/ZnO nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1811-1824.	2.0	20

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19	Flexible solid-state supercapacitors based on carbon aerogel and some electrolyte polymer gels. Applied Physics A: Materials Science and Processing, 2018, 124, 1.	1.1	20
20	Effect of annealing temperature and Ag contents on the catalytic activity and supercapacitor performances of Ag@Ag <sub>2</sub> O/RGO nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 242, 90-103.	1.7	18
21	Studies on characterization, magnetic and electrochemical properties of nano-size pure and mixed ternary transition metal ferrites prepared by the auto-combustion method. Journal of Materials Research, 2020, 35, 2652-2663.	1.2	18
22	Characterization and photo-chemical applications of nano-ZnO prepared by wet chemical and thermal decomposition methods. Materials Research Bulletin, 2013, 48, 4576-4582.	2.7	16
23	Structural features and photocatalytic behavior of titania and titania supported vanadia synthesized by polyol functionalized materials. Microporous and Mesoporous Materials, 2008, 109, 445-457.	2.2	15
24	Dispersed Ag <sub>2</sub> O/Ag on CNT-Graphene Composite: An Implication for Magnificent Photoreduction and Energy Storage Applications. Frontiers in Chemistry, 2018, 6, 250.	1.8	15
25	Characterization and super-capacitive properties of nanocrystalline copper ferrite prepared via green and chemical methods. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 263, 114812.	1.7	15
26	Ternary V-doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -polyaniline-graphene nanostructure with enhanced electrochemical capacitance performance. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2021, 271, 115312.	1.7	15
27	Surfactant-assisted formation of silver titanates as active catalysts for methanol electro-oxidation. Applied Catalysis A: General, 2017, 547, 205-213.	2.2	14
28	High-performance hybrid supercapacitor based on pure and doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> and graphene. Journal of Solid State Electrochemistry, 2017, 21, 873-882.	1.2	12
29	Dye-Sensitized Solar Cells Based on an N-Doped TiO <sub>2</sub> and TiO <sub>2</sub> -Graphene Composite Electrode. Journal of Electronic Materials, 2018, 47, 6241-6250.	1.0	11
30	Structural, electrical and electrochemical properties of ZnO nanoparticles synthesized using dry and wet chemical methods. Advanced Powder Technology, 2020, 31, 1333-1341.	2.0	10
31	Influence of preparation method on structural, optical, magnetic, and adsorption properties of nano-NiFe <sub>2</sub> O <sub>4</sub> . Environmental Science and Pollution Research, 2019, 26, 21484-21494.	2.7	9
32	Effect of Ni content on optical, colorimetric, surface and magnetic properties of Ni <sub>x</sub> Co <sub>1-x</sub> Al <sub>2</sub> O <sub>4</sub> nanoparticles. Journal of the Iranian Chemical Society, 2016, 13, 671-677.	1.2	7
33	Electrical and Electrochemical Behavior of Binary Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> -Polyaniline Composite. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 3158-3169.	1.9	6
34	Influences of <sup>60</sup> Co Radiation and Surfactants on Electrical and Magnetic Properties of Cu <sub>0.1</sub> Zn <sub>0.9</sub> Mn <sub>2</sub> O <sub>4</sub> Nanoparticles. International Journal of Materials and Chemistry, 2013, 2, 197-204.	1.0	6
35	Thermodynamic and Thermal Properties of Solvation for Nano Nickel Ferrite and Nano Zinc Ferrite Prepared by the Sol-Gel Method in Different CH <sub>3</sub> COOH Concentrations at Different Temperatures. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 417-426.	1.9	5
36	Synthesis of defect-impressive boron graphene as a remarkable electrocatalyst for methanol oxidation reaction. Journal of Materials Research and Technology, 2022, 16, 362-372.	2.6	5

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37	Anti-microbial and methylene blue dye adsorption properties of cotton fabrics modified with TiO <sub>2</sub> , Fe, Ag-doped TiO <sub>2</sub> , and graphene oxide nanomaterials. Textile Research Journal, 2022, 92, 3299-3315.	1.1	4
38	Nonplatinum-based anode catalyst systems for direct methanol fuel cells. , 2020, , 201-256.		1
39	Impact of Sn ions on structural and electrical description of TiO <sub>2</sub> nanoparticles. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 835-846.	0.7	1