

# Mohamed Khairy

## List of Publications by Year in descending order

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39  
papers

1,097  
citations

394421

19  
h-index

395702

33  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1354  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis of defect-impressive boron graphene as a remarkable electrocatalyst for methanol oxidation reaction. Journal of Materials Research and Technology, 2022, 16, 362-372.	5.8	5
2	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.	2.2	4
3	Effect of particle size and morphological structure on the physical properties of NiFe <sub>2</sub> O <sub>4</sub> for supercapacitor application. Journal of Materials Research and Technology, 2022, 19, 3521-3535.	5.8	28
4	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.	3.5	15
5	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.	1.5	1
6	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.	3.5	15
7	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.	3.7	5
8	Structural and Electrical Characterization of Ba/ZnO Nanoparticles Fabricated by Co-precipitation. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 2633-2644.	3.7	26
9	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.	2.6	18
10	Synthesis of nano-zinc oxide with different morphologies and its application on fabrics for UV protection and microbe-resistant defense clothing. Textile Research Journal, 2020, 90, 2492-2503.	2.2	23
11	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.	3.7	6
12	Structural, electrical and electrochemical properties of ZnO nanoparticles synthesized using dry and wet chemical methods. Advanced Powder Technology, 2020, 31, 1333-1341.	4.1	10
13	Nonplatinum-based anode catalyst systems for direct methanol fuel cells. , 2020, , 201-256.		1
14	Enhancement of Photocatalytic and Sonophotocatalytic Degradation of 4-nitrophenol by ZnO/Graphene Oxide and ZnO/Carbon Nanotube Nanocomposites. Journal of Photochemistry and Photobiology A: Chemistry, 2020, 396, 112507.	3.9	41
15	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.	5.3	9
16	Zinc oxide incorporated carbon nanotubes or graphene oxide nanohybrids for enhanced sonophotocatalytic degradation of methylene blue dye. Applied Surface Science, 2019, 487, 539-549.	6.1	81
17	Effect of annealing temperature and Ag contents on the catalytic activity and supercapacitor performances of Ag@Ag <sub>2</sub> O/RCO nanocomposites. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2019, 242, 90-103.	3.5	18
18	Photovoltaic and capacitance performance of low-resistance ZnO nanorods incorporated into carbon nanotube-graphene oxide nanocomposites. Electrochimica Acta, 2019, 307, 430-441.	5.2	21

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19	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.	4.8	42
20	Nitrogen Graphene: A New and Exciting Generation of Visible Light Driven Photocatalyst and Energy Storage Application. <i>ACS Omega</i> , 2018, 3, 1801-1814.	3.5	28
21	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.	5.2	22
22	Flexible solid-state supercapacitors based on carbon aerogel and some electrolyte polymer gels. <i>Applied Physics A: Materials Science and Processing</i> , 2018, 124, 1.	2.3	20
23	Dispersed Ag <sub>2</sub> O/Ag on CNT-Graphene Composite: An Implication for Magnificent Photoreduction and Energy Storage Applications. <i>Frontiers in Chemistry</i> , 2018, 6, 250.	3.6	15
24	Dye-Sensitized Solar Cells Based on an N-Doped TiO <sub>2</sub> and TiO <sub>2</sub> -Graphene Composite Electrode. <i>Journal of Electronic Materials</i> , 2018, 47, 6241-6250.	2.2	11
25	Optical and kinetics of thermal decomposition of PMMA/ZnO nanocomposites. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 128, 1811-1824.	3.6	20
26	Nanostructured ferrite/graphene/polyaniline using for supercapacitor to enhance the capacitive behavior. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 995-1005.	2.5	41
27	High-performance hybrid supercapacitor based on pure and doped Li <sub>4</sub> Ti <sub>5</sub> O <sub>12</sub> and graphene. <i>Journal of Solid State Electrochemistry</i> , 2017, 21, 873-882.	2.5	12
28	Surfactant-assisted formation of silver titanates as active catalysts for methanol electro-oxidation. <i>Applied Catalysis A: General</i> , 2017, 547, 205-213.	4.3	14
29	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.	7.8	38
30	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. <i>Journal of the Iranian Chemical Society</i> , 2016, 13, 671-677.	2.2	7
31	SnO <sub>2</sub> ( <sup>2+</sup> Bi <sub>2</sub> O <sub>3</sub> )/Bi <sub>2</sub> Sn <sub>2</sub> O <sub>7</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.	2.8	23
32	Electrical and optical properties of nickel ferrite/polyaniline nanocomposite. <i>Journal of Advanced Research</i> , 2015, 6, 555-562.	9.5	137
33	Environmental remediation and monitoring of cadmium. <i>TrAC - Trends in Analytical Chemistry</i> , 2014, 62, 56-68.	11.4	85
34	Characterization and photo-chemical applications of nano-ZnO prepared by wet chemical and thermal decomposition methods. <i>Materials Research Bulletin</i> , 2013, 48, 4576-4582.	5.2	16
35	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.	4.4	143
36	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. <i>International Journal of Materials and Chemistry</i> , 2013, 2, 197-204.	1.0	6

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37	Structural features and photocatalytic behavior of titania and titania supported vanadia synthesized by polyol functionalized materials. Microporous and Mesoporous Materials, 2008, 109, 445-457.	4.4	15
38	Synthesis of micro- and mesoporous TiO <sub>2</sub> materials assembled via cationic surfactants: Morphology, thermal stability and surface acidity characteristics. Microporous and Mesoporous Materials, 2007, 103, 174-183.	4.4	44
39	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. Microporous and Mesoporous Materials, 2006, 97, 66-77.	4.4	31