

# Sultan Ilyas

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

338  
citations

840776

11  
h-index

888059

17  
g-index

22  
all docs

22  
docs citations

22  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	Study on optical phonon vibration and gamma ray shielding properties of composite geopolymer fly ash-metal. Radiation Physics and Chemistry, 2021, 180, 109250.	2.8	17
2	Optical properties determined from infrared spectroscopy and structural properties from diffraction spectroscopy of composites Fe/CNs/PVA for electromagnetic wave absorption. Optical Materials, 2021, 111, 110639.	3.6	13
3	Correlation between structural and optical properties of CuO/carbon nanoparticle in supports the photocatalytic performance and attenuate the electromagnetic wave. Journal of Environmental Chemical Engineering, 2021, 9, 104670.	6.7	11
4	Decreasing charge recombination by magnetic trap of iron-carbon (Fe-C) composite for enhanced photocatalytic performance. Surface and Interface Analysis, 2021, 53, 446-459.	1.8	3
5	The Correlation between Structural and Optical Properties of Zinc Hydroxide Nanoparticle in Supports Photocatalytic Performance. Optical Materials, 2021, 112, 110780.	3.6	14
6	Effect of Fe <sub>3</sub> O <sub>4</sub> in enhancement optical and gamma ray absorption properties of geopolymer apron cassava starch/black carbon/glycerin. Optical Materials, 2021, 113, 110887.	3.6	10
7	Gelatin/Poly (vinyl alcohol)/Inorganic filler composites for phantom breasts. Materials Chemistry and Physics, 2021, 262, 124333.	4.0	8
8	Excellent electromagnetic wave absorption of Co/Fe <sub>2</sub> O <sub>3</sub> composites by additional activated carbon for tuning the optical and the magnetic properties. Journal of Alloys and Compounds, 2021, 864, 158780.	5.5	18
9	Enhanced Visible-Light Absorption of Fe <sub>2</sub> O <sub>3</sub> Covered by Activated Carbon for Multifunctional Purposes: Tuning the Structural, Electronic, Optical, and Magnetic Properties. ACS Omega, 2021, 6, 28334-28346.	3.5	14
10	Enhancement of absorbing frequency and photo-catalytic performance by temperature treatment of composites Fe <sub>3</sub> O <sub>4</sub> -AC nanoparticle. Advanced Powder Technology, 2020, 31, 905-913.	4.1	15
11	Composite Carbon-lignin/ Zinc Oxide Nanocrystalline Ball-like Hexagonal Mediated from Jatropha curcas L Leaf as Photocatalyst for Industrial Dye Degradation. Journal of Inorganic and Organometallic Polymers and Materials, 2020, 30, 4905-4916.	3.7	19
12	Composite gelatin/Rhizophora SPP particleboards/PVA for soft tissue phantom applications. Radiation Physics and Chemistry, 2020, 173, 108878.	2.8	16
13	Effect of carbon for enhancing degradation and mechanical properties of bioplastics composite cassava starch/glycerin/carbon. AIP Conference Proceedings, 2020, . . X-ray diffraction analysis of nanocomposite $\text{Fe}_3\text{O}_4/\text{C}$	0.4	2
14	Carbon by Williamson-Hall and size-strain plot methods. Nano Structures Nano Objects, 2019, 20, 1003.	3.5	15
15	Modification in electronic, structural, and magnetic properties based on composition of composites Copper (II) Oxide (CuO) and Carbonaceous material. Materials Research Express, 2019, 6, 035705.	1.6	19
16	Structural properties and bonding characteristics of honeycomb structure of composite ZnMnO <sub>2</sub> and activated carbon. Journal of Applied Biomaterials and Functional Materials, 2019, 17, 228080001882018.	1.6	2
17	Structural and bonding properties of honeycomb structure of composite nanoparticles Fe <sub>3</sub> O <sub>4</sub> and activated carbon. Journal of Physics: Conference Series, 2019, 1317, 012058.	0.4	2
18	Synthesis composite starch-chitosan as biodegradable plastic for food packaging. Journal of Physics: Conference Series, 2019, 1317, 012053.	0.4	10

#	ARTICLE	IF	CITATIONS
19	Synthesis of Carbon Nanosphere at Low Temperatures Based on Bamboo Fiber. Materials Science Forum, 2019, 966, 163-168.	0.3	4
20	Electronic properties of composite iron (II, III) oxide (Fe <sub>3</sub> O <sub>4</sub> ) carbonaceous absorber materials by electron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2018, 229, 47-51.	1.7	43
21	Nanocomposites Fe/Activated Carbon/PVA for Microwave Absorber: Synthesis and Characterization. Journal of Nanomaterials, 2018, 2018, 1-6.	2.7	27
22	Geopolimer Concrete for Radiation Shielding Application. Materials Science Forum, 0, 966, 41-47.	0.3	7