

# 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	fraction analysis of nanocomposite $\text{Fe}_3\text{O}_4/\text{AC}$ carbon by Williamson's Hall and size-strain plot methods. Nano Structures Nano Objects, 2019, 20, 1003.	3.5	43
2	Electronic properties of composite iron (II, III) oxide ( $\text{Fe}_3\text{O}_4$ ) carbonaceous absorber materials by electron spectroscopy. Journal of Electron Spectroscopy and Related Phenomena, 2018, 229, 47-51.	1.7	43
3	Nanocomposites Fe/Activated Carbon/PVA for Microwave Absorber: Synthesis and Characterization. Journal of Nanomaterials, 2018, 2018, 1-6.	2.7	27
4	Modification in electronic, structural, and magnetic properties based on composition of composites Copper (II) Oxide ( $\text{CuO}$ ) and Carbonaceous material. Materials Research Express, 2019, 6, 035705.	1.6	19
5	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
6	Excellent electromagnetic wave absorption of $\text{Co}/\text{Fe}_2\text{O}_3$ composites by additional activated carbon for tuning the optical and the magnetic properties. Journal of Alloys and Compounds, 2021, 864, 158780.	5.5	18
7	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
8	Composite gelatin/Rhizophora SPP particleboards/PVA for soft tissue phantom applications. Radiation Physics and Chemistry, 2020, 173, 108878.	2.8	16
9	Enhancement of absorbing frequency and photo-catalytic performance by temperature treatment of composites $\text{Fe}_3\text{O}_4$ -AC nanoparticle. Advanced Powder Technology, 2020, 31, 905-913.	4.1	15
10	The Correlation between Structural and Optical Properties of Zinc Hydroxide Nanoparticle in Supports Photocatalytic Performance. Optical Materials, 2021, 112, 110780.	3.6	14
11	Enhanced Visible-Light Absorption of $\text{Fe}_2\text{O}_3$ Covered by Activated Carbon for Multifunctional Purposes: Tuning the Structural, Electronic, Optical, and Magnetic Properties. ACS Omega, 2021, 6, 28334-28346.	3.5	14
12	Optical properties determined from infrared spectroscopy and structural properties from diffraction spectroscopy of composites $\text{Fe}/\text{CNs}/\text{PVA}$ for electromagnetic wave absorption. Optical Materials, 2021, 111, 110639.	3.6	13
13	Correlation between structural and optical properties of $\text{CuO}/\text{carbon}$ nanoparticle in supports the photocatalytic performance and attenuate the electromagnetic wave. Journal of Environmental Chemical Engineering, 2021, 9, 104670.	6.7	11
14	Synthesis composite starch-chitosan as biodegradable plastic for food packaging. Journal of Physics: Conference Series, 2019, 1317, 012053.	0.4	10
15	Effect of $\text{Fe}_3\text{O}_4$ in enhancement optical and gamma ray absorption properties of geopolymer apron cassava starch/black carbon/glycerin. Optical Materials, 2021, 113, 110887.	3.6	10
16	Gelatin/Poly (vinyl alcohol)/Inorganic filler composites for phantom breasts. Materials Chemistry and Physics, 2021, 262, 124333.	4.0	8
17	Geopolimer Concrete for Radiation Shielding Application. Materials Science Forum, 0, 966, 41-47.	0.3	7
18	Synthesis of Carbon Nanosphere at Low Temperatures Based on Bamboo Fiber. Materials Science Forum, 2019, 966, 163-168.	0.3	4

#	ARTICLE	IF	CITATIONS
19	Decreasing charge recombination by magnetic trap of iron-carbon (Fe-C) composite for enhanced photocatalytic performance. <i>Surface and Interface Analysis</i> , 2021, 53, 446-459.	1.8	3
20	Structural properties and bonding characteristics of honeycomb structure of composite ZnMnO <sub>2</sub> and activated carbon. <i>Journal of Applied Biomaterials and Functional Materials</i> , 2019, 17, 228080001882018.	1.6	2
21	Structural and bonding properties of honeycomb structure of composite nanoparticles Fe <sub>3</sub> O <sub>4</sub> and activated carbon. <i>Journal of Physics: Conference Series</i> , 2019, 1317, 012058.	0.4	2
22	Effect of carbon for enhancing degradation and mechanical properties of bioplastics composite cassava starch/glycerin/carbon. <i>AIP Conference Proceedings</i> , 2020, , .	0.4	2