

Suraya Abdul Rashid

List of Publications by Year in descending order

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60
papers

2,604
citations

304602

22
h-index

189801

50
g-index

62
all docs

62
docs citations

62
times ranked

2969
citing authors

#	ARTICLE	IF	CITATIONS
1	Immobilisation of titanium dioxide onto supporting materials in heterogeneous photocatalysis: A review. <i>Applied Catalysis A: General</i> , 2010, 389, 1-8.	2.2	529
2	Assessment of the effects of rice husk ash particle size on strength, water permeability and workability of binary blended concrete. <i>Construction and Building Materials</i> , 2010, 24, 2145-2150.	3.2	281
3	Experimental investigation of the size effects of SiO ₂ nano-particles on the mechanical properties of binary blended concrete. <i>Composites Part B: Engineering</i> , 2010, 41, 673-677.	5.9	237
4	Preparations, Properties, and Applications of Polyaniline and Polyaniline Thin Filmsâ€”A Review. <i>Polymers</i> , 2021, 13, 2003.	2.0	215
5	A review of biolubricants in drilling fluids: Recent research, performance, and applications. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 177-184.	2.1	134
6	Investigating the effects of using different types of SiO ₂ nanoparticles on the mechanical properties of binary blended concrete. <i>Composites Part B: Engineering</i> , 2013, 54, 52-58.	5.9	115
7	The effects of lime solution on the properties of SiO ₂ nanoparticles binary blended concrete. <i>Composites Part B: Engineering</i> , 2011, 42, 562-569.	5.9	112
8	Review of biodegradable synthetic-based drilling fluid: Progression, performance and future prospect. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 171-186.	8.2	70
9	Facile Synthesis of Nitrogen-Doped Carbon Dots from Lignocellulosic Waste. <i>Nanomaterials</i> , 2019, 9, 1500.	1.9	54
10	Fluorescent recognition of Fe ³⁺ in acidic environment by enhanced-quantum yield N-doped carbon dots: optimization of variables using central composite design. <i>Scientific Reports</i> , 2020, 10, 11710.	1.6	48
11	Polypyrrole-chitosan/nickel-ferrite nanoparticle composite layer for detecting heavy metal ions using surface plasmon resonance technique. <i>Optics and Laser Technology</i> , 2017, 93, 216-223.	2.2	46
12	Fabrication and Characterizations of a Novel Etched-tapered Single Mode Optical Fiber Ammonia Sensors Integrating PANI/GNF Nanocomposite. <i>Sensors and Actuators B: Chemical</i> , 2019, 287, 71-77.	4.0	41
13	Incorporation of Zinc Oxide into Carbon nanotube/Graphite nanofiber as high performance supercapacitor electrode. <i>Electrochimica Acta</i> , 2017, 228, 259-267.	2.6	39
14	Dynamic Response of Tapered Optical Multimode Fiber Coated with Carbon Nanotubes for Ethanol Sensing Application. <i>Sensors</i> , 2015, 15, 10452-10464.	2.1	37
15	Physicochemical and electrochemical properties of carbon nanotube/graphite nanofiber hybrid nanocomposites for supercapacitor. <i>Journal of Power Sources</i> , 2016, 328, 195-202.	4.0	33
16	Influence of 15 and 80 nano-SiO ₂ particles addition on mechanical and physical properties of ternary blended concrete incorporating rice husk ash. <i>Journal of Experimental Nanoscience</i> , 2013, 8, 1-18.	1.3	27
17	Enhanced visible light absorption and reduced charge recombination in AgNP plasmonic photoelectrochemical cell. <i>Results in Physics</i> , 2017, 7, 2311-2316.	2.0	27
18	Impact of photoluminescent carbon quantum dots on photosynthesis efficiency of rice and corn crops. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 737-751.	2.8	26

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19	New insights into the photocatalytic endocrine disruptors dimethyl phthalate esters degradation by UV/MWCNTs-TiO ₂ nanocomposites. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2018, 364, 177-189.	2.0	25
20	Experimental evaluation of the interfacial properties of carbon nanotube coated carbon fiber reinforced hybrid composites. <i>Polymer Composites</i> , 2015, 36, 1941-1950.	2.3	24
21	Synthesis of Gold Nanoparticles Dispersed in Palm Oil Using Laser Ablation Technique. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-5.	1.5	24
22	Acid-Free Hydrothermal-Extraction and Molecular Structure of Carbon Quantum Dots Derived from Empty Fruit Bunch Biochar. <i>Materials</i> , 2020, 13, 3356.	1.3	24
23	Properties and molecular structure of carbon quantum dots derived from empty fruit bunch biochar using a facile microwave-assisted method for the detection of Cu ²⁺ ions. <i>Optical Materials</i> , 2021, 112, 110801.	1.7	23
24	Water absorption control of ternary blended concrete with nano-SiO ₂ in presence of rice husk ash. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 1007-1017.	1.3	22
25	Nonionic polyol esters as thinner and lubricity enhancer for synthetic-based drilling fluids. <i>Journal of Molecular Liquids</i> , 2018, 266, 846-855.	2.3	20
26	An Artificial Neural Networks Model for Predicting Permeability Properties of Nano Silica-Rice Husk Ash Ternary Blended Concrete. <i>International Journal of Concrete Structures and Materials</i> , 2013, 7, 225-238.	1.4	19
27	Surface plasmon resonance sensor using polypyrrole-chitosan/graphene quantum dots layer for detection of sugar. <i>Materials Research Express</i> , 2019, 6, 075028.	0.8	19
28	Spatial self-phase modulation patterns in graphene oxide and graphene oxide with silver and gold nanoparticles. <i>Optical and Quantum Electronics</i> , 2016, 48, 1.	1.5	18
29	Polyaniline Synthesized by Different Dopants for Fluorene Detection via Photoluminescence Spectroscopy. <i>Materials</i> , 2021, 14, 7382.	1.3	18
30	Laser ablation synthesis of Ag nanoparticles in graphene quantum dots aqueous solution and optical properties of nanocomposite. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	16
31	Photocatalytic degradation mechanisms of dimethyl phthalate esters by MWCNTs-anatase TiO ₂ nanocomposites using the UHPLC/Orbitrap/MS technique. <i>Advanced Powder Technology</i> , 2020, 31, 533-547.	2.0	16
32	Adsorption of non-ionic surfactants on organoclays in drilling fluid investigated by molecular descriptors and Monte Carlo random walk simulations. <i>Applied Surface Science</i> , 2021, 538, 148154.	3.1	15
33	Grafting Carbon Nanotubes on Glass Fiber by Dip Coating Technique to Enhance Tensile and Interfacial Shear Strength. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	1.5	13
34	Enhancement of the fluorescence property of carbon quantum dots based on laser ablated gold nanoparticles to evaluate pyrene. <i>Optical Materials Express</i> , 2020, 10, 2227.	1.6	13
35	Green Fabrication of Copper Nanoparticles Dispersed in Walnut Oil Using Laser Ablation Technique. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	1.5	12
36	Incorporation of iron oxide into CNT/GNF as a high-performance supercapacitor electrode. <i>Materials Chemistry and Physics</i> , 2018, 212, 318-324.	2.0	12

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37	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. <i>Chemical Engineering Communications</i> , 2016, 203, 463-470.	1.5	11
38	Optical Band Gap and Thermal Diffusivity of Polypyrrole-Nanoparticles Decorated Reduced Graphene Oxide Nanocomposite Layer. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-8.	1.5	10
39	Experimental and molecular modeling of interaction of carbon quantum dots with glucose. <i>Applied Physics A: Materials Science and Processing</i> , 2019, 125, 1.	1.1	10
40	Surface plasmon resonance measurement of arsenic in low concentration using polypyrrole-graphene quantum dots layer. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 173, 108546.	2.5	10
41	One-pot synthesis of graphene oxide sheets and graphene oxide quantum dots from graphite nanofibers. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	9
42	Response surface modeling of photogenerated charge collection of silver-based plasmonic dye-sensitized solar cell using central composite design experiments. <i>Results in Physics</i> , 2017, 7, 493-497.	2.0	9
43	Application of activated carbon from banana stem waste for removal of heavy metal ions in greywater using a Box-Behnken design approach. <i>Environmental Technology (United Kingdom)</i> , 2020, 41, 3363-3374.	1.2	9
44	Characterization of High-Temperature Hierarchical Porous Mullite Washcoat Synthesized Using Aluminum Dross and Coal Fly Ash. <i>Crystals</i> , 2020, 10, 178.	1.0	8
45	Laser ablation synthesis of gold nanoparticle to enhance the fluorescence properties of graphene quantum dots. <i>Journal of Laser Applications</i> , 2019, 31, .	0.8	7
46	Lubricity performance of non-ionic surfactants in high-solid drilling fluids: A perspective from quantum chemical calculations and filtration properties. <i>Journal of Petroleum Science and Engineering</i> , 2021, 207, 109162.	2.1	7
47	Effect of catalyst and substrate on growth characteristics of carbon nanofiber onto honeycomb monolith. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2016, 59, 440-449.	2.7	6
48	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. <i>Materials</i> , 2020, 13, 5218.	1.3	6
49	Synthesis of Y-Tip Graphitic Nanoribbons from Alcohol Catalytic Chemical Vapor Deposition on Piezoelectric Substrate. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.	1.5	5
50	Optical and Photoacoustic Properties of Laser-Ablated Silver Nanoparticles in a Carbon Dots Solution. <i>Molecules</i> , 2020, 25, 5798.	1.7	5
51	Laser ablated titanium oxide nanoparticles in carbon quantum dots solution for detection of sugar using fluorescence spectroscopy. <i>Materials Research Express</i> , 2021, 8, 105003.	0.8	5
52	Study the effect of various wash-coated metal oxides over synthesized carbon nanofibers coated monolith substrates. <i>PLoS ONE</i> , 2019, 14, e0219936.	1.1	4
53	Theoretical Prediction of CNT-CF/PP Composite Tensile Properties Using Various Numerical Modeling Methods. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2013, 21, 411-416.	1.0	3
54	Photoluminescence property of laser-ablated zinc oxide-carbon quantum dots nanocomposites for detection of Hg and Pb ions. <i>Journal of Nanophotonics</i> , 2020, 14, .	0.4	3

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55	Performance Evaluation of Polyol Esters from Palm Oil as a Lubricant for Bentonite Suspension Drilling Fluid. Tribology Online, 2017, 12, 247-250.	0.2	2
56	Effect of toluene-4-sulfonic acid monohydrate concentrations on properties of polyaniline for pyrene detection via photoluminescence spectroscopy. Optical Materials, 2022, 131, 112711.	1.7	2
57	Process intensification of 2-ethylhexyl caprylate/caprate synthesis via a pulsed loop reactor: Multi-objective optimization. Chemical Engineering and Processing: Process Intensification, 2020, 149, 107837.	1.8	1
58	Optimization of nutrients removal from synthetic greywater by low-cost activated carbon: application of Taguchi method and response surface methodology. Toxin Reviews, 2022, 41, 506-515.	1.5	1
59	Water absorption control of ternary blended concrete with nano-SiO ₂ in presence of rice husk ash. , 2012, 45, 1007.		1
60	Growth of Multi-Walled Carbon Nanotubes on platinum. , 2013, , .		0