

Suraya Abdul Rashid

List of Publications by Citations

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55
papers

1,742
citations

19
h-index

41
g-index

62
ext. papers

2,113
ext. citations

4.2
avg, IF

5.11
L-index

#	Paper	IF	Citations
55	Immobilisation of titanium dioxide onto supporting materials in heterogeneous photocatalysis: A review. <i>Applied Catalysis A: General</i> , 2010 , 389, 1-8	5.1	451
54	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	6.7	198
53	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	10	182
52	A review of biolubricants in drilling fluids: Recent research, performance, and applications. <i>Journal of Petroleum Science and Engineering</i> , 2015 , 135, 177-184	4.4	91
51	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	10	83
50	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	10	82
49	Review of biodegradable synthetic-based drilling fluid: Progression, performance and future prospect. <i>Renewable and Sustainable Energy Reviews</i> , 2018 , 90, 171-186	16.2	46
48	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	4.2	38
47	Preparations, Properties, and Applications of Polyaniline and Polyaniline Thin Films-A Review. <i>Polymers</i> , 2021 , 13,	4.5	37
46	Incorporation of Zinc Oxide into Carbon nanotube/Graphite nanofiber as high performance supercapacitor electrode. <i>Electrochimica Acta</i> , 2017 , 228, 259-267	6.7	31
45	Dynamic response of tapered optical multimode fiber coated with carbon nanotubes for ethanol sensing application. <i>Sensors</i> , 2015 , 15, 10452-64	3.8	30
44	Physicochemical and electrochemical properties of carbon nanotube/graphite nanofiber hybrid nanocomposites for supercapacitor. <i>Journal of Power Sources</i> , 2016 , 328, 195-202	8.9	28
43	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	8.5	26
42	Fluorescent recognition of Fe 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	4.9	26
41	Facile Synthesis of Nitrogen-Doped Carbon Dots from Lignocellulosic Waste. <i>Nanomaterials</i> , 2019 , 9,	5.4	22
40	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 ^{1.9}	1.9	21
39	Enhanced visible light absorption and reduced charge recombination in AgNP plasmonic photoelectrochemical cell. <i>Results in Physics</i> , 2017 , 7, 2311-2316	3.7	20

38	Synthesis of Gold Nanoparticles Dispersed in Palm Oil Using Laser Ablation Technique. <i>Journal of Nanomaterials</i> , 2017 , 2017, 1-5	3.2	19
37	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	4.7	19
36	Experimental evaluation of the interfacial properties of carbon nanotube coated carbon fiber reinforced hybrid composites. <i>Polymer Composites</i> , 2015 , 36, 1941-1950	3	19
35	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	3.4	18
34	Nonionic polyol esters as thinner and lubricity enhancer for synthetic-based drilling fluids. <i>Journal of Molecular Liquids</i> , 2018 , 266, 846-855	6	14
33	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	2.4	13
32	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	2.8	13
31	Surface plasmon resonance sensor using polypyrrole-chitosan/graphene quantum dots layer for detection of sugar. <i>Materials Research Express</i> , 2019 , 6, 075028	1.7	12
30	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	4.6	11
29	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	2.6	10
28	Incorporation of iron oxide into CNT/GNF as a high-performance supercapacitor electrode. <i>Materials Chemistry and Physics</i> , 2018 , 212, 318-324	4.4	9
27	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	3.2	9
26	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	3.7	8
25	One-pot synthesis of graphene oxide sheets and graphene oxide quantum dots from graphite nanofibers. <i>Journal of Nanoparticle Research</i> , 2015 , 17, 1	2.3	8
24	Acid-Free Hydrothermal-Extraction and Molecular Structure of Carbon Quantum Dots Derived from Empty Fruit Bunch Biochar. <i>Materials</i> , 2020 , 13,	3.5	8
23	Impact of photoluminescent carbon quantum dots on photosynthesis efficiency of rice and corn crops. <i>Plant Physiology and Biochemistry</i> , 2021 , 162, 737-751	5.4	8
22	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	3.3	8
21	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. <i>Chemical Engineering Communications</i> , 2016 , 203, 463-470	2.2	7

20	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	2.6	7
19	Green Fabrication of Copper Nanoparticles Dispersed in Walnut Oil Using Laser Ablation Technique. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-7	3.2	7
18	Optical Band Gap and Thermal Diffusivity of Polypyrrole-Nanoparticles Decorated Reduced Graphene Oxide Nanocomposite Layer. <i>Journal of Nanomaterials</i> , 2016 , 2016, 1-8	3.2	7
17	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	6.7	6
16	Laser ablation synthesis of gold nanoparticle to enhance the fluorescence properties of graphene quantum dots. <i>Journal of Laser Applications</i> , 2019 , 31, 022006	2.1	5
15	Characterization of High-Temperature Hierarchical Porous Mullite Washcoat Synthesized Using Aluminum Dross and Coal Fly Ash. <i>Crystals</i> , 2020 , 10, 178	2.3	4
14	Study the effect of various wash-coated metal oxides over synthesized carbon nanofibers coated monolith substrates. <i>PLoS ONE</i> , 2019 , 14, e0219936	3.7	4
13	Synthesis of Y-Tip Graphitic Nanoribbons from Alcohol Catalytic Chemical Vapor Deposition on Piezoelectric Substrate. <i>Journal of Nanomaterials</i> , 2015 , 2015, 1-7	3.2	4
12	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	5.3	3
11	Experimental and molecular modeling of interaction of carbon quantum dots with glucose. <i>Applied Physics A: Materials Science and Processing</i> , 2019 , 125, 1	2.6	3
10	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	2.6	3
9	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	4.6	3
8	Performance Evaluation of Polyol Esters from Palm Oil as a Lubricant for Bentonite Suspension Drilling Fluid. <i>Tribology Online</i> , 2017 , 12, 247-250	0.9	2
7	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	1.8	2
6	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. <i>Materials</i> , 2020 , 13,	3.5	1
5	Laser ablated titanium oxide nanoparticles in carbon quantum dots solution for detection of sugar using fluorescence spectroscopy. <i>Materials Research Express</i> ,	1.7	1
4	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	4.4	1
3	Process intensification of 2-ethylhexyl caprylate/caprates synthesis via a pulsed loop reactor: Multi-objective optimization. <i>Chemical Engineering and Processing: Process Intensification</i> , 2020 , 149, 107837	3.7	0

- 2 Water absorption control of ternary blended concrete with nano-SiO₂ in presence of rice husk ash
2012, 45, 1007 o
- 1 Optimization of nutrients removal from synthetic greywater by low-cost activated carbon:
application of Taguchi method and response surface methodology. *Toxin Reviews*,1-10 2.3