Suraya Abdul Rashid

List of Publications by Year in Descending Order

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	Impact of photoluminescent carbon quantum dots on photosynthesis efficiency of rice and corn crops. *Plant Physiology and Biochemistry*, **2021**, 162, 737-751	5.4	8
54	Preparations, Properties, and Applications of Polyaniline and Polyaniline Thin Films-A Review. *Polymers*, **2021**, 13,	4.5	37
53	Surface plasmon resonance measurement of arsenic in low concentration using polypyrrole-graphene quantum dots layer. *Measurement: Journal of the International Measurement Confederation*, **2021**, 173, 108546	4.6	3
52	Adsorption of non-ionic surfactants on organoclays in drilling fluid investigated by molecular descriptors and Monte Carlo random walk simulations. *Applied Surface Science*, **2021**, 538, 148154	6.7	6
51	Properties and molecular structure of carbon quantum dots derived from empty fruit bunch biochar using a facile microwave-assisted method for the detection of Cu2+ ions. *Optical Materials*, **2021**, 112, 110801	3.3	8
50	Lubricity performance of non-ionic surfactants in high-solid drilling fluids: A perspective from quantum chemical calculations and filtration properties. *Journal of Petroleum Science and Engineering*, **2021**, 207, 109162	4.4	1
49	Characterization of High-Temperature Hierarchical Porous Mullite Washcoat Synthesized Using Aluminum Dross and Coal Fly Ash. *Crystals*, **2020**, 10, 178	2.3	4
48	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	3.7	0
47	Enhancement of the fluorescence property of carbon quantum dots based on laser ablated gold nanoparticles to evaluate pyrene. *Optical Materials Express*, **2020**, 10, 2227	2.6	7
46	Photocatalytic degradation mechanisms of dimethyl phthalate esters by MWCNTs-anatase TiO2 nanocomposites using the UHPLC/Orbitrap/MS technique. *Advanced Powder Technology*, **2020**, 31, 533-547	4.6	11
45	Fluorescent recognition of Fe in acidic environment by enhanced-quantum yield N-doped carbon dots: optimization of variables using central composite design. *Scientific Reports*, **2020**, 10, 11710	4.9	26
44	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. *Materials*, **2020**, 13,	3.5	1
43	Acid-Free Hydrothermal-Extraction and Molecular Structure of Carbon Quantum Dots Derived from Empty Fruit Bunch Biochar. *Materials*, **2020**, 13,	3.5	8
42	Application of activated carbon from banana stem waste for removal of heavy metal ions in greywater using a Box-Behnken design approach. *Environmental Technology (United Kingdom)*, **2020** , 41, 3363-3374	2.6	3
41	Laser ablation synthesis of Ag nanoparticles in graphene quantum dots aqueous solution and optical properties of nanocomposite. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	10
40	Laser ablation synthesis of gold nanoparticle to enhance the fluorescence properties of graphene quantum dots. *Journal of Laser Applications*, **2019**, 31, 022006	2.1	5
39	Surface plasmon resonance sensor using polypyrrole-chitosan/graphene quantum dots layer for detection of sugar. *Materials Research Express*, **2019**, 6, 075028	1.7	12

38	Fabrication and Characterizations of a Novel Etched-tapered Single Mode Optical Fiber Ammonia Sensors Integrating PANI/GNF Nanocomposite. *Sensors and Actuators B: Chemical*, **2019**, 287, 71-77	8.5	26
37	Study the effect of various wash-coated metal oxides over synthesized carbon nanofibers coated monolith substrates. *PLoS ONE*, **2019**, 14, e0219936	3.7	4
36	Experimental and molecular modeling of interaction of carbon quantum dots with glucose. *Applied Physics A: Materials Science and Processing*, **2019**, 125, 1	2.6	3
35	Facile Synthesis of Nitrogen-Doped Carbon Dots from Lignocellulosic Waste. *Nanomaterials*, **2019**, 9,	5.4	22
34	Review of biodegradable synthetic-based drilling fluid: Progression, performance and future prospect. *Renewable and Sustainable Energy Reviews*, **2018**, 90, 171-186	16.2	46
33	Incorporation of iron oxide into CNT/GNF as a high-performance supercapacitor electrode. *Materials Chemistry and Physics*, **2018**, 212, 318-324	4.4	9
32	New insights into the photocatalytic endocrine disruptors dimethyl phathalate esters degradation by UV/MWCNTs-TiO2 nanocomposites. *Journal of Photochemistry and Photobiology A: Chemistry*, **2018**, 364, 177-189	4.7	19
31	Nonionic polyol esters as thinner and lubricity enhancer for synthetic-based drilling fluids. *Journal of Molecular Liquids*, **2018**, 266, 846-855	6	14
30	Incorporation of Zinc Oxide into Carbon nanotube/Graphite nanofiber as high performance supercapacitor electrode. *Electrochimica Acta*, **2017**, 228, 259-267	6.7	31
29	Response surface modeling of photogenerated charge collection of silver-based plasmonic dye-sensitized solar cell using central composite design experiments. *Results in Physics*, **2017**, 7, 493-497	3.7	8
28	Polypyrrole-chitosan/nickel-ferrite nanoparticle composite layer for detecting heavy metal ions using surface plasmon resonance technique. *Optics and Laser Technology*, **2017**, 93, 216-223	4.2	38
27	Synthesis of Gold Nanoparticles Dispersed in Palm Oil Using Laser Ablation Technique. *Journal of Nanomaterials*, **2017**, 2017, 1-5	3.2	19
26	Enhanced visible light absorption and reduced charge recombination in AgNP plasmonic photoelectrochemical cell. *Results in Physics*, **2017**, 7, 2311-2316	3.7	20
25	Performance Evaluation of Polyol Esters from Palm Oil as a Lubricant for Bentonite Suspension Drilling Fluid. *Tribology Online*, **2017**, 12, 247-250	0.9	2
24	Physicochemical and electrochemical properties of carbon nanotube/graphite nanofiber hybrid nanocomposites for supercapacitor. *Journal of Power Sources*, **2016**, 328, 195-202	8.9	28
23	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. *Chemical Engineering Communications*, **2016**, 203, 463-470	2.2	7
22	Effect of catalyst and substrate on growth characteristics of carbon nanofiber onto honeycomb monolith. *Journal of the Taiwan Institute of Chemical Engineers*, **2016**, 59, 440-449	5.3	3
21	Spatial self-phase modulation patterns in graphene oxide and graphene oxide with silver and gold nanoparticles. *Optical and Quantum Electronics*, **2016**, 48, 1	2.4	13

20	Green Fabrication of Copper Nanoparticles Dispersed in Walnut Oil Using Laser Ablation Technique. *Journal of Nanomaterials*, **2016**, 2016, 1-7	3.2	7
19	Optical Band Gap and Thermal Diffusivity of Polypyrrole-Nanoparticles Decorated Reduced Graphene Oxide Nanocomposite Layer. *Journal of Nanomaterials*, **2016**, 2016, 1-8	3.2	7
18	Dynamic response of tapered optical multimode fiber coated with carbon nanotubes for ethanol sensing application. *Sensors*, **2015**, 15, 10452-64	3.8	30
17	A review of biolubricants in drilling fluids: Recent research, performance, and applications. *Journal of Petroleum Science and Engineering*, **2015**, 135, 177-184	4.4	91
16	Experimental evaluation of the interfacial properties of carbon nanotube coated carbon fiber reinforced hybrid composites. *Polymer Composites*, **2015**, 36, 1941-1950	3	19
15	Synthesis of Y-Tip Graphitic Nanoribbons from Alcohol Catalytic Chemical Vapor Deposition on Piezoelectric Substrate. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	4
14	Grafting Carbon Nanotubes on Glass Fiber by Dip Coating Technique to Enhance Tensile and Interfacial Shear Strength. *Journal of Nanomaterials*, **2015**, 2015, 1-7	3.2	9
13	One-pot synthesis of graphene oxide sheets and graphene oxide quantum dots from graphite nanofibers. *Journal of Nanoparticle Research*, **2015**, 17, 1	2.3	8
12	An Artificial Neural Networks Model for Predicting Permeability Properties of Nano SilicaRice Husk Ash Ternary Blended Concrete. *International Journal of Concrete Structures and Materials*, **2013**, 7, 225-238	2.8	13
11	Investigating the effects of using different types of SiO2 nanoparticles on the mechanical properties of binary blended concrete. *Composites Part B: Engineering*, **2013**, 54, 52-58	10	83
10	Theoretical Prediction of CNT-CF/PP Composite Tensile Properties Using Various Numerical Modeling Methods. *Fullerenes Nanotubes and Carbon Nanostructures*, **2013**, 21, 411-416	1.8	2
9	Influence of 15 and 80 nano-SiO2 particles addition on mechanical and physical properties of ternary blended concrete incorporating rice husk ash. *Journal of Experimental Nanoscience*, **2013**, 8, 1-18	1.9	21
8	Water absorption control of ternary blended concrete with nano-SiO2 in presence of rice husk ash. *Materials and Structures/Materiaux Et Constructions*, **2012**, 45, 1007-1017	3.4	18
7	Water absorption control of ternary blended concrete with nano-SiO2 in presence of rice husk ash **2012**, 45, 1007		0
6	The effects of lime solution on the properties of SiO2 nanoparticles binary blended concrete. *Composites Part B: Engineering*, **2011**, 42, 562-569	10	82
5	Immobilisation of titanium dioxide onto supporting materials in heterogeneous photocatalysis: A review. *Applied Catalysis A: General*, **2010**, 389, 1-8	5.1	451
4	Experimental investigation of the size effects of SiO2 nano-particles on the mechanical properties of binary blended concrete. *Composites Part B: Engineering*, **2010**, 41, 673-677	10	182
3	Assessment of the effects of rice husk ash particle size on strength, water permeability and workability of binary blended concrete. *Construction and Building Materials*, **2010**, 24, 2145-2150	6.7	198

2	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	
1	Laser ablated titanium oxide nanoparticles in carbon quantum dots solution for detection of sugar using fluorescence spectroscopy. *Materials Research Express*,	1.7	1