Mohamad Amran Mohd Salleh

List of Publications by Year
in descending order

75 papers	5,509 citations	136740 32 h-index	85405 71 g-index
79 all docs	79 docs citations	79 times ranked	6892 citing authors

#	Article	IF	Citations
1	Cationic and anionic dye adsorption by agricultural solid wastes: A comprehensive review. Desalination, 2011, 280, 1-13.	4.0	1,350
2	Production of slow release crystal fertilizer from wastewaters through struvite crystallization â€“ A review. Arabian Journal of Chemistry, 2014, 7, 139-155.	2.3	399
3	Batch adsorption of basic dye using acid treated kenaf fibre char: Equilibrium, kinetic and thermodynamic studies. Chemical Engineering Journal, 2012, 181-182, 449-457.	6.6	293
4	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.	3.2	281
5	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.	5.9	237
6	Air gasification of empty fruit bunch for hydrogen-rich gas production in a fluidized-bed reactor. Energy Conversion and Management, 2011, 52, 1555-1561.	4.4	199
7	Effects of pyrolysis temperature on the physicochemical properties of empty fruit bunch and rice husk biochars. Waste Management and Research, 2014, 32, 331-339.	2.2	199
8	Hydrogen rich gas from oil palm biomass as a potential source of renewable energy in Malaysia. Renewable and Sustainable Energy Reviews, 2011, 15, 1258-1270.	8.2	196
9	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubesâ€”A review. Chemical Engineering Journal, 2009, 155, 37-48.	6.6	161
10	Gasification of oil palm empty fruit bunches: A characterization and kinetic study. Bioresource Technology, 2012, 110, 628-636.	4.8	133
11	Carbon and glass hierarchical fibers: Influence of carbon nanotubes on tensile, flexural and impact properties of short fiber reinforced composites. Materials & Design, 2013, 43, 10-16.	5.1	128
12	A novel emulsion fuel containing aqueous nano cerium oxide additive in dieselâ€“biodiesel blends to improve diesel engines performance and reduce exhaust emissions: Part I â€“ Experimental analysis. Fuel, 2017, 207, 741-750.	3.4	128
13	The effects of lime solution on the properties of SiO2 nanoparticles binary blended concrete. Composites Part B: Engineering, 2011, 42, 562-569.	5.9	112
14	Energy balances, greenhouse gas emissions and economics of biochar production from palm oil empty fruit bunches. Resources, Conservation and Recycling, 2013, 77, 108-115.	5.3	105
15	The basics and issues of Thermochromic Liquid Crystal Calibrations. Experimental Thermal and Fluid Science, 2010, 34, 1089-1121.	1.5	90
16	Continuous production of carbon nanotubes â€“ A review. Journal of Industrial and Engineering Chemistry, 2011, 17, 367-376.	2.9	80
17	Experimental validation of granular dynamics simulations of gas-fluidised beds with homogenous in-flow conditions using Positron Emission Particle Tracking. Powder Technology, 2001, 116, 166-177.	2.1	79
18	Biochar production from microalgae cultivation through pyrolysis as a sustainable carbon sequestration and biorefinery approach. Clean Technologies and Environmental Policy, 2018, 20, 2047-2055.	2.1	69

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19	Effect of fibre coating and geometry on the tensile properties of hybrid carbon nanotube coated carbon fibre reinforced composite. Materials & Design, 2014, 54, 660-669.	5.1	67
20	Air Gasification of Agricultural Waste in a Fluidized Bed Gasifier: Hydrogen Production Performance. Energies, 2009, 2, 258-268.	1.6	66
21	Experimental investigation of low-level water in waste-oil produced biodiesel-diesel fuel blend. Energy, 2017, 121, 331-340.	4.5	55
22	Applications of Nanotechnology and Carbon Nanoparticles in Agriculture. , 2019, , 247-277.		50
23	Fluorometric immunoassay for detecting the plant virus Citrus tristeza using carbon nanoparticles acting as quenchers and antibodies labeled with CdTe quantum dots. Mikrochimica Acta, 2016, 183, 2277-2287.	2.5	48
24	Detection of Citrus tristeza virus by using fluorescence resonance energy transfer-based biosensor. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2016, 169, 216-222.	2.0	45
25	Mineralogy and thermal expansion study of mullite-based ceramics synthesized from coal fly ash and aluminum dross industrial wastes. Ceramics International, 2019, 45, 7488-7494.	2.3	45
26	New coating formulation for the slow release of urea using a mixture of gypsum and dolomitic limestone. Particuology, 2015, 23, 62-67.	2.0	41
27	Effects of the surface modification of carbon fiber by growing different types of carbon nanomaterials on the mechanical and thermal properties of polypropylene. RSC Advances, 2015, 5, 28822-28831.	1.7	37
28	Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste. Chemical Engineering Research and Design, 2018, 119, 23-35.	2.7	37
29	A Review on Synthesis of Mullite Ceramics from Industrial Wastes. Recycling, 2019, 4, 39.	2.3	37
30	Development of sandwich-form biosensor to detect Mycobacterium tuberculosis complex in clinical sputum specimens. Brazilian Journal of Infectious Diseases, 2014, 18, 600-608.	0.3	34
31	Gasification of Biochar from Empty Fruit Bunch in a Fluidized Bed Reactor. Energies, 2010, 3, 1344-1352.	1.6	33
32	Hydrogen-Rich Gas Production from Palm Kernel Shell by Applying Air Gasification in Fluidized Bed Reactor. Energy & Fuels, 2012, 26, 1185-1191.	2.5	33
33	A review on emerging diagnostic assay for viral detection: the case of avian influenza virus. Molecular Biology Reports, 2015, 42, 187-199.	1.0	33
34	Influence of 15 and 80 nano-SiO₂particles addition on mechanical and physical properties of ternary blended concrete incorporating rice husk ash. Journal of Experimental Nanoscience, 2013, 8, 1-18.	1.3	27
35	Effects of ammonia-ambient annealing on physical and electrical characteristics of rare earth CeO2 as passivation film on silicon. Journal of Alloys and Compounds, 2017, 695, 3104-3115.	2.8	27
36	Microwave-assisted pyrolysis of EFB-derived biochar as potential renewable solid fuel for power generation: Biochar versus sub-bituminous coal. Renewable Energy, 2019, 142, 123-129.	4.3	27

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37	The study of aluminum loss and consequent phase transformation in heat-treated acid-leached kaolin. Materials Characterization, 2011, 62, 373-377.	1.9	24
38	Influence of Fuel Additive in the Formulation and Combustion Characteristics of Water-in-Diesel Nanoemulsion Fuel. Energy & Fuels, 2014, 28, 4149-4161.	2.5	24
39	Experimental evaluation of the interfacial properties of carbon nanotube coated carbon fiber reinforced hybrid composites. Polymer Composites, 2015, 36, 1941-1950.	2.3	24
40	Effect of growing graphene flakes on branched carbon nanofibers based on carbon fiber on mechanical and thermal properties of polypropylene. RSC Advances, 2015, 5, 9925-9932.	1.7	23
41	Modified cenospheres as non-sacrificial pore-forming agent for porous mullite ceramics. Ceramics International, 2019, 45, 21827-21834.	2.3	23
42	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.	1.3	22
43	Removal of Zinc from Aqueous Solution by Optimized Oil Palm Empty Fruit Bunches Biochar as Low Cost Adsorbent. Bioinorganic Chemistry and Applications, 2017, 2017, 1-9.	1.8	22
44	Film thickness effects on calibrations of a narrowband thermochromic liquid crystal. Experimental Thermal and Fluid Science, 2009, 33, 561-578.	1.5	21
45	Influence of catalytic particle size on the performance of fluidized-bed chemical vapor deposition synthesis of carbon nanotubes. Chemical Engineering Research and Design, 2011, 89, 214-223.	2.7	21
46	Few- and multi-layer graphene on carbon fibers: synthesis and application. RSC Advances, 2015, 5, 81266-81274.	1.7	19
47	Potential applications of wastes from energy generation particularly biochar in Malaysia. Renewable and Sustainable Energy Reviews, 2013, 21, 694-702.	8.2	18
48	Preparation, characterization and engine performance of water inÂdiesel nanoemulsions. Journal of the Energy Institute, 2016, 89, 354-365.	2.7	17
49	An elucidating study on physical and structural properties of 45S5 glass at different sintering temperatures. Journal of Non-Crystalline Solids, 2015, 412, 24-29.	1.5	16
50	The Effects of Electrode and Catalyst Selection on Microfluidic Fuel Cell Performance. ChemBioEng Reviews, 2015, 2, 356-372.	2.6	15
51	Bulk Production of High-Purity Carbon Nanosphere by Combination of Chemical Vapor Deposition Methods. Fullerenes Nanotubes and Carbon Nanostructures, 2015, 23, 669-675.	1.0	15
52	Gasification of Empty Fruit Bunch for Hydrogen Rich Fuel Gas Production. Journal of Applied Sciences, 2011, 11, 2416-2420.	0.1	14
53	Mechanical Properties of Carbon Fiber-Reinforced Polypropylene Composites. Key Engineering Materials, 0, 471-472, 652-657.	0.4	13
54	Synthesis and Optimization of 2-ethylhexyl Ester as Base Oil for Drilling Fluid Formulation. Chemical Engineering Communications, 2016, 203, 463-470.	1.5	11

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55	Multivariable optimization of carbon nanoparticles synthesized from waste facial tissues by artificial neural networks, new material for downstream quenching of quantum dots. Journal of Materials Science: Materials in Electronics, 2019, 30, 3156-3165.	1.1	10
56	An Innovative Procedure for Largeâ€scale Synthesis of Carbon Nanotubes by Fluidized Bed Catalytic Vapor Deposition Technique. Fullerenes Nanotubes and Carbon Nanostructures, 2009, 17, 652-663.	1.0	9
57	Enhancing the Drag Reduction Phenomenon within a Rotating Disk Apparatus Using Polymer-Surfactant Additives. Applied Sciences (Switzerland), 2016, 6, 355.	1.3	9
58	Effect of Temperature on Morphology, Phase Transformations and Thermal Expansions of Coal Fly Ash Cenospheres. Crystals, 2020, 10, 481.	1.0	9
59	Rotating Disk Apparatus: Types, Developments and Future Applications. Modern Applied Science, 2016, 10, 198.	0.4	8
60	DEVELOPMENT OF CELLULOSE NANOFIBRE (CNF) DERIVED FROM KENAF BAST FIBRE AND ITâ€™S POTENTIAL IN ENZYME IMMOBILIZATION SUPPORT. Malaysian Journal of Analytical Sciences, 2016, 20, 309-317.	0.2	7
61	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. Materials, 2020, 13, 5218.	1.3	6
62	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 109-118.	1.0	5
63	Effect of Equivalence Ratio and Particle Size on EFB Char Gasification. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2015, 37, 1647-1662.	1.2	5
64	Chemical-Physical Treatment for Production of Cellulose Nanofiber from Kenaf Bast Fiber. Journal of Natural Fibers, 0, , 1-12.	1.7	5
65	Carbon Dioxide Adsorption on Coconut Shell Biochar. , 2015, , 683-693.		4
66	Passive, active, and interactive drag-reduction technique to reduce friction and enhance the mixing intensity in rotating disk apparatus. Chemical Engineering Communications, 2018, 205, 1623-1640.	1.5	4
67	Theoretical Prediction of CNT-CF/PP Composite Tensile Properties Using Various Numerical Modeling Methods. Fullerenes Nanotubes and Carbon Nanostructures, 2013, 21, 411-416.	1.0	3
68	Effect of Experimental Variables on the Combustion Characteristics of Water-in-Diesel Emulsion Fuels. Journal of Dispersion Science and Technology, 2014, 35, 185-192.	1.3	3
69	Air gasification of Malaysia agricultural waste in a fluidised bed gasifier. World Review of Science, Technology and Sustainable Development, 2011, 8, 100.	0.3	2
70	Effect of structure height on the drag reduction performance using rotating disk apparatus. Fluid Dynamics Research, 2017, 49, 015507.	0.6	2
71	A NOVEL POLYMER-SURFACTANT COMPLEX MIXTURE TO IMPROVE DIESEL FUEL FLOW IN A ROTATING DISK APPARATUS. Advances and Applications in Fluid Mechanics, 2016, 19, 669-685.	0.1	2
72	Application of CNT Enhanced Carbon Fibers in Hybrid Composites with Improved Interfacial Properties. Advanced Materials Research, 0, 832, 237-242.	0.3	1

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73	Water absorption control of ternary blended concrete with nano-SiO2 in presence of rice husk ash. , 2012, 45, 1007.		1
74	Fluidized Bed Chemical Vapor Deposition Synthesis of Carbon Nanotubes Using Different Feâ€“Co/Alumina Catalytic Powders. Fullerenes Nanotubes and Carbon Nanostructures, 2012, 20, 266-282.	1.0	0
75	Emission Characteristics of Water in Diesel Nanoemulsions in Diesel Engine. Advanced Materials Research, 0, 832, 248-253.	0.3	0