

# Mohamad Amran Mohd Salleh

## List of Publications by Year in descending order

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75  
papers

5,509  
citations

136740

32  
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85405

71  
g-index

79  
all docs

79  
docs citations

79  
times ranked

6892  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Study on the Utilization of Coal Fly Ash Derived Grog in Clay Ceramics. <i>Materials</i> , 2020, 13, 5218.	1.3	6
2	Effect of Temperature on Morphology, Phase Transformations and Thermal Expansions of Coal Fly Ash Cenospheres. <i>Crystals</i> , 2020, 10, 481.	1.0	9
3	Modified cenospheres as non-sacrificial pore-forming agent for porous mullite ceramics. <i>Ceramics International</i> , 2019, 45, 21827-21834.	2.3	23
4	Multivariable optimization of carbon nanoparticles synthesized from waste facial tissues by artificial neural networks, new material for downstream quenching of quantum dots. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 3156-3165.	1.1	10
5	A Review on Synthesis of Mullite Ceramics from Industrial Wastes. <i>Recycling</i> , 2019, 4, 39.	2.3	37
6	Microwave-assisted pyrolysis of EFB-derived biochar as potential renewable solid fuel for power generation: Biochar versus sub-bituminous coal. <i>Renewable Energy</i> , 2019, 142, 123-129.	4.3	27
7	Mineralogy and thermal expansion study of mullite-based ceramics synthesized from coal fly ash and aluminum dross industrial wastes. <i>Ceramics International</i> , 2019, 45, 7488-7494.	2.3	45
8	Applications of Nanotechnology and Carbon Nanoparticles in Agriculture. , 2019, , 247-277.		50
9	Biochar production from microalgae cultivation through pyrolysis as a sustainable carbon sequestration and biorefinery approach. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 2047-2055.	2.1	69
10	Passive, active, and interactive drag-reduction technique to reduce friction and enhance the mixing intensity in rotating disk apparatus. <i>Chemical Engineering Communications</i> , 2018, 205, 1623-1640.	1.5	4
11	Synthesis and characterisation of a binder cement replacement based on alkali activation of fly ash waste. <i>Chemical Engineering Research and Design</i> , 2018, 119, 23-35.	2.7	37
12	A novel emulsion fuel containing aqueous nano cerium oxide additive in diesel-biodiesel blends to improve diesel engines performance and reduce exhaust emissions: Part I – Experimental analysis. <i>Fuel</i> , 2017, 207, 741-750.	3.4	128
13	Experimental investigation of low-level water in waste-oil produced biodiesel-diesel fuel blend. <i>Energy</i> , 2017, 121, 331-340.	4.5	55
14	Effect of structure height on the drag reduction performance using rotating disk apparatus. <i>Fluid Dynamics Research</i> , 2017, 49, 015507.	0.6	2
15	Effects of ammonia-ambient annealing on physical and electrical characteristics of rare earth CeO <sub>2</sub> as passivation film on silicon. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3104-3115.	2.8	27
16	Removal of Zinc from Aqueous Solution by Optimized Oil Palm Empty Fruit Bunches Biochar as Low Cost Adsorbent. <i>Bioinorganic Chemistry and Applications</i> , 2017, 2017, 1-9.	1.8	22
17	Rotating Disk Apparatus: Types, Developments and Future Applications. <i>Modern Applied Science</i> , 2016, 10, 198.	0.4	8
18	Enhancing the Drag Reduction Phenomenon within a Rotating Disk Apparatus Using Polymer-Surfactant Additives. <i>Applied Sciences (Switzerland)</i> , 2016, 6, 355.	1.3	9

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19	Detection of Citrus tristeza virus by using fluorescence resonance energy transfer-based biosensor. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016, 169, 216-222.	2.0	45
20	Fluorometric immunoassay for detecting the plant virus Citrus tristeza using carbon nanoparticles acting as quenchers and antibodies labeled with CdTe quantum dots. <i>Mikrochimica Acta</i> , 2016, 183, 2277-2287.	2.5	48
21	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
22	Preparation, characterization and engine performance of water in diesel nanoemulsions. <i>Journal of the Energy Institute</i> , 2016, 89, 354-365.	2.7	17
23	DEVELOPMENT OF CELLULOSE NANOFIBRE (CNF) DERIVED FROM KENAF BAST FIBRE AND ITS POTENTIAL IN ENZYME IMMOBILIZATION SUPPORT. <i>Malaysian Journal of Analytical Sciences</i> , 2016, 20, 309-317.	0.2	7
24	A NOVEL POLYMER-SURFACTANT COMPLEX MIXTURE TO IMPROVE DIESEL FUEL FLOW IN A ROTATING DISK APPARATUS. <i>Advances and Applications in Fluid Mechanics</i> , 2016, 19, 669-685.	0.1	2
25	The Effects of Electrode and Catalyst Selection on Microfluidic Fuel Cell Performance. <i>ChemBioEng Reviews</i> , 2015, 2, 356-372.	2.6	15
26	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
27	An elucidating study on physical and structural properties of 45S5 glass at different sintering temperatures. <i>Journal of Non-Crystalline Solids</i> , 2015, 412, 24-29.	1.5	16
28	Effect of growing graphene flakes on branched carbon nanofibers based on carbon fiber on mechanical and thermal properties of polypropylene. <i>RSC Advances</i> , 2015, 5, 9925-9932.	1.7	23
29	Effect of Equivalence Ratio and Particle Size on EFB Char Gasification. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2015, 37, 1647-1662.	1.2	5
30	Effects of the surface modification of carbon fiber by growing different types of carbon nanomaterials on the mechanical and thermal properties of polypropylene. <i>RSC Advances</i> , 2015, 5, 28822-28831.	1.7	37
31	New coating formulation for the slow release of urea using a mixture of gypsum and dolomitic limestone. <i>Particuology</i> , 2015, 23, 62-67.	2.0	41
32	Carbon Dioxide Adsorption on Coconut Shell Biochar. , 2015, , 683-693.		4
33	Few- and multi-layer graphene on carbon fibers: synthesis and application. <i>RSC Advances</i> , 2015, 5, 81266-81274.	1.7	19
34	Bulk Production of High-Purity Carbon Nanosphere by Combination of Chemical Vapor Deposition Methods. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2015, 23, 669-675.	1.0	15
35	A review on emerging diagnostic assay for viral detection: the case of avian influenza virus. <i>Molecular Biology Reports</i> , 2015, 42, 187-199.	1.0	33
36	Development of sandwich-form biosensor to detect Mycobacterium tuberculosis complex in clinical sputum specimens. <i>Brazilian Journal of Infectious Diseases</i> , 2014, 18, 600-608.	0.3	34

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37	Effect of Experimental Variables on the Combustion Characteristics of Water-in-Diesel Emulsion Fuels. <i>Journal of Dispersion Science and Technology</i> , 2014, 35, 185-192.	1.3	3
38	Effect of fibre coating and geometry on the tensile properties of hybrid carbon nanotube coated carbon fibre reinforced composite. <i>Materials &amp; Design</i> , 2014, 54, 660-669.	5.1	67
39	Production of slow release crystal fertilizer from wastewaters through struvite crystallization – A review. <i>Arabian Journal of Chemistry</i> , 2014, 7, 139-155.	2.3	399
40	Effects of pyrolysis temperature on the physicochemical properties of empty fruit bunch and rice husk biochars. <i>Waste Management and Research</i> , 2014, 32, 331-339.	2.2	199
41	Influence of Fuel Additive in the Formulation and Combustion Characteristics of Water-in-Diesel Nanoemulsion Fuel. <i>Energy &amp; Fuels</i> , 2014, 28, 4149-4161.	2.5	24
42	Potential applications of wastes from energy generation particularly biochar in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 21, 694-702.	8.2	18
43	Energy balances, greenhouse gas emissions and economics of biochar production from palm oil empty fruit bunches. <i>Resources, Conservation and Recycling</i> , 2013, 77, 108-115.	5.3	105
44	Carbon and glass hierarchical fibers: Influence of carbon nanotubes on tensile, flexural and impact properties of short fiber reinforced composites. <i>Materials &amp; Design</i> , 2013, 43, 10-16.	5.1	128
45	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
46	Influence of 15 and 80 nano-SiO <sub>2</sub> 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
47	Fluidized Bed Chemical Vapor Deposition Synthesis of Carbon Nanotubes Using Different Fe <sup>2+</sup> /Co/Alumina Catalytic Powders. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 266-282.	1.0	0
48	Innovative Method to Produce High-Purity Graphitic Carbon Nanospheres. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2012, 20, 109-118.	1.0	5
49	Water absorption control of ternary blended concrete with nano-SiO <sub>2</sub> in presence of rice husk ash. <i>Materials and Structures/Materiaux Et Constructions</i> , 2012, 45, 1007-1017.	1.3	22
50	Hydrogen-Rich Gas Production from Palm Kernel Shell by Applying Air Gasification in Fluidized Bed Reactor. <i>Energy &amp; Fuels</i> , 2012, 26, 1185-1191.	2.5	33
51	Batch adsorption of basic dye using acid treated kenaf fibre char: Equilibrium, kinetic and thermodynamic studies. <i>Chemical Engineering Journal</i> , 2012, 181-182, 449-457.	6.6	293
52	Gasification of oil palm empty fruit bunches: A characterization and kinetic study. <i>Bioresource Technology</i> , 2012, 110, 628-636.	4.8	133
53	Water absorption control of ternary blended concrete with nano-SiO <sub>2</sub> in presence of rice husk ash. , 2012, 45, 1007.		1
54	The study of aluminum loss and consequent phase transformation in heat-treated acid-leached kaolin. <i>Materials Characterization</i> , 2011, 62, 373-377.	1.9	24

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55	Cationic and anionic dye adsorption by agricultural solid wastes: A comprehensive review. <i>Desalination</i> , 2011, 280, 1-13.	4.0	1,350
56	Continuous production of carbon nanotubes – A review. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 367-376.	2.9	80
57	Influence of catalytic particle size on the performance of fluidized-bed chemical vapor deposition synthesis of carbon nanotubes. <i>Chemical Engineering Research and Design</i> , 2011, 89, 214-223.	2.7	21
58	The effects of lime solution on the properties of SiO <sub>2</sub> nanoparticles binary blended concrete. <i>Composites Part B: Engineering</i> , 2011, 42, 562-569.	5.9	112
59	Air gasification of empty fruit bunch for hydrogen-rich gas production in a fluidized-bed reactor. <i>Energy Conversion and Management</i> , 2011, 52, 1555-1561.	4.4	199
60	Hydrogen rich gas from oil palm biomass as a potential source of renewable energy in Malaysia. <i>Renewable and Sustainable Energy Reviews</i> , 2011, 15, 1258-1270.	8.2	196
61	Air gasification of Malaysia agricultural waste in a fluidised bed gasifier. <i>World Review of Science, Technology and Sustainable Development</i> , 2011, 8, 100.	0.3	2
62	Gasification of Empty Fruit Bunch for Hydrogen Rich Fuel Gas Production. <i>Journal of Applied Sciences</i> , 2011, 11, 2416-2420.	0.1	14
63	Experimental investigation of the size effects of SiO <sub>2</sub> nano-particles on the mechanical properties of binary blended concrete. <i>Composites Part B: Engineering</i> , 2010, 41, 673-677.	5.9	237
64	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
65	The basics and issues of Thermochromic Liquid Crystal Calibrations. <i>Experimental Thermal and Fluid Science</i> , 2010, 34, 1089-1121.	1.5	90
66	Gasification of Biochar from Empty Fruit Bunch in a Fluidized Bed Reactor. <i>Energies</i> , 2010, 3, 1344-1352.	1.6	33
67	An Innovative Procedure for Large-scale Synthesis of Carbon Nanotubes by Fluidized Bed Catalytic Vapor Deposition Technique. <i>Fullerenes Nanotubes and Carbon Nanostructures</i> , 2009, 17, 652-663.	1.0	9
68	Fluidized bed catalytic chemical vapor deposition synthesis of carbon nanotubes – A review. <i>Chemical Engineering Journal</i> , 2009, 155, 37-48.	6.6	161
69	Film thickness effects on calibrations of a narrowband thermochromic liquid crystal. <i>Experimental Thermal and Fluid Science</i> , 2009, 33, 561-578.	1.5	21
70	Air Gasification of Agricultural Waste in a Fluidized Bed Gasifier: Hydrogen Production Performance. <i>Energies</i> , 2009, 2, 258-268.	1.6	66
71	Experimental validation of granular dynamics simulations of gas-fluidised beds with homogenous in-flow conditions using Positron Emission Particle Tracking. <i>Powder Technology</i> , 2001, 116, 166-177.	2.1	79
72	Mechanical Properties of Carbon Fiber-Reinforced Polypropylene Composites. <i>Key Engineering Materials</i> , 0, 471-472, 652-657.	0.4	13

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73	Application of CNT Enhanced Carbon Fibers in Hybrid Composites with Improved Interfacial Properties. Advanced Materials Research, 0, 832, 237-242.	0.3	1
74	Emission Characteristics of Water in Diesel Nanoemulsions in Diesel Engine. Advanced Materials Research, 0, 832, 248-253.	0.3	0
75	Chemical-Physical Treatment for Production of Cellulose Nanofiber from Kenaf Bast Fiber. Journal of Natural Fibers, 0, , 1-12.	1.7	5