

# Mohamad Deraman

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3119805/publications.pdf>

Version: 2024-02-01

39  
papers

897  
citations

516710

16  
h-index

526287

27  
g-index

39  
all docs

39  
docs citations

39  
times ranked

824  
citing authors

#	ARTICLE	IF	CITATIONS
1	Physical, electrochemical and supercapacitive properties of activated carbon pellets from pre-carbonized rubber wood sawdust by CO <sub>2</sub> activation. <i>Current Applied Physics</i> , 2010, 10, 1071-1075.	2.4	83
2	Sodium dodecyl sulfate modified carbon nanotubes paste electrode as a novel sensor for the simultaneous determination of dopamine, ascorbic acid, and uric acid. <i>Comptes Rendus Chimie</i> , 2014, 17, 465-476.	0.5	82
3	Supercapacitors using binderless composite monolith electrodes from carbon nanotubes and pre-carbonized biomass residues. <i>Biomass and Bioenergy</i> , 2013, 59, 370-379.	5.7	69
4	Growth of platinum nanoparticles on stainless steel 316L current collectors to improve carbon-based supercapacitor performance. <i>Electrochimica Acta</i> , 2011, 56, 10217-10222.	5.2	58
5	Structural studies of liquid hydrogen fluoride by neutron diffraction. <i>Molecular Physics</i> , 1985, 55, 1351-1367.	1.7	55
6	Influence of gamma irradiation exposure on the performance of supercapacitor electrodes made from oil palm empty fruit bunches. <i>Energy</i> , 2015, 79, 183-194.	8.8	54
7	A method to produce binderless supercapacitor electrode monoliths from biomass carbon and carbon nanotubes. <i>Materials Research Bulletin</i> , 2014, 60, 10-19.	5.2	53
8	A New Empirical Equation for Estimating Specific Surface Area of Supercapacitor Carbon Electrode from X-Ray Diffraction. <i>Advanced Materials Research</i> , 0, 1108, 1-7.	0.3	46
9	Selective Detection of Dopamine in the Presence of Uric Acid Using Polymerized Phthalo Blue Film Modified Carbon Paste Electrode. <i>Advanced Materials Research</i> , 0, 895, 447-451.	0.3	42
10	Chemical modification on lignocellulosic polymeric oil palm empty fruit bunch for advanced material. <i>Advances in Polymer Technology</i> , 2001, 20, 289-295.	1.7	36
11	Estimation of Crystallinity and Crystallite Size of Cellulose in Benzylated Fibres of Oil Palm Empty Fruit Bunches by X-Ray Diffraction. <i>Japanese Journal of Applied Physics</i> , 2001, 40, 3311-3314.	1.5	28
12	Activated graphene oxide/reduced graphene oxide electrodes and low viscous sulfonium cation based ionic liquid incorporated flexible gel polymer electrolyte for high rate supercapacitors. <i>Journal of Alloys and Compounds</i> , 2017, 695, 3376-3392.	5.5	26
13	Title is missing!. <i>Journal of Materials Science Letters</i> , 1999, 18, 249-253.	0.5	24
14	Electrical Conductivity of Carbon Pellets from Mixtures of Pyropolymer from Oil Palm Bunch and Cotton Cellulose. <i>Japanese Journal of Applied Physics</i> , 2000, 39, L1236-L1238.	1.5	24
15	Young's modulus of carbon from a mixture of oil palm bunches and latex. <i>Journal of Materials Science Letters</i> , 1995, 14, 781-782.	0.5	23
16	A thermal neutron investigation of magnetic correlations in liquid oxygen. <i>Journal of Magnetism and Magnetic Materials</i> , 1985, 50, 178-188.	2.3	21
17	Influence of aqueous KOH and H <sub>2</sub> SO <sub>4</sub> electrolytes ionic parameters on the performance of carbon-based supercapacitor electrodes. <i>Functional Materials Letters</i> , 2017, 10, 1750013.	1.2	21
18	The structural second virial coefficient. <i>Molecular Physics</i> , 1983, 50, 1089-1108.	1.7	19

#	ARTICLE	IF	CITATIONS
19	Resistivity of carbon from oil palm bunches: percolation theory. Journal Physics D: Applied Physics, 1994, 27, 1060-1062.	2.8	17
20	Effect of Compression Pressure on the Physical and Electrochemical Properties of Activated Carbon Monoliths Electrodes for Supercapacitor Application. Advanced Materials Research, 0, 501, 13-18.	0.3	15
21	Physical properties of activated carbon from fibers of oil palm empty fruit bunches by microwave assisted potassium hydroxide activation. AIP Conference Proceedings, 2017, , .	0.4	12
22	Electrochemical Impedance Spectroscopy Study of Supercapacitors Using Deposited Nickel Oxide Nanoparticles Carbon Monolith Electrodes. Advanced Materials Research, 0, 1112, 236-240.	0.3	11
23	Graphene and Activated Carbon Based Supercapacitor Electrodes. Advanced Materials Research, 2015, 1112, 231-235.	0.3	11
24	Review of Energy and Power of Supercapacitor Using Carbon Electrodes from Fibers of Oil Palm Fruit Bunches. Materials Science Forum, 0, 846, 497-504.	0.3	11
25	The structurale second virial coefficient. Molecular Physics, 1984, 52, 173-184.	1.7	9
26	A New Approach towards Improving the Specific Energy and Specific Power of a Carbon-Based Supercapacitor using Platinum-Nanoparticles on Etched Stainless Steel Current Collector. Electrochemistry, 2015, 83, 1053-1060.	1.4	9
27	Carbon <sup>â</sup> Carbon Nanotubes (CNTs) Composites from Green Pellets Contain CNTs and Self-adhesive Carbon Grains from Fibres of Oil Palm Empty Fruit Bunch. , 2010, , .		6
28	Supercapacitor Activated Carbon Electrode from Composite of Green Monoliths of KOH-Treated Pre-Carbonized Oil Palm Empty Fruit Bunches and HNO <sub>3</sub> -Treated Graphite. Advanced Materials Research, 2015, 1112, 303-307.	0.3	6
29	RISM analysis of tetrachloride liquids. Molecular Physics, 1987, 60, 541-552.	1.7	5
30	Effect of KOH Treated Graphene in Green Monoliths of Pre-Carbonized Biomass Fibers on the Structure, Porosity and Capacitance of Supercapacitors Carbon Electrodes. Materials Science Forum, 0, 846, 551-558.	0.3	5
31	Neutron scattering by oxygen gas and the magnetic form-factor of the oxygen molecule. Molecular Physics, 1984, 53, 557-566.	1.7	4
32	Effect of microwave irradiation time on the physical properties of Terminalia catappa fruit shells-based activated carbon. AIP Conference Proceedings, 2017, , .	0.4	4
33	Electrochemical Characterization of Supercapacitor Electrodes Prepared by Activation of Green Monoliths Consist of Self-Adhesive Carbon Grains and Lignin. Materials Science Forum, 0, 846, 545-550.	0.3	3
34	Effects of Activation Time on the Performance of Supercapacitor Binderless Activated Carbon Electrodes Derived from Fibers of Oil Palm Empty Fruit Bunches. Advanced Materials Research, 2015, 1112, 308-312.	0.3	2
35	Accommodating succinonitrile rotators in micro-pores of 3D nano-structured cactus carbon for assisting micro-crystallite organization, ion transport and surplus pseudo-capacitance: An extreme temperature supercapacitor behavior. Electrochimica Acta, 2020, 333, 135547.	5.2	2
36	Microstructural Studies of Carbon Black Filler in Standard Malaysia Rubber Grade L (SMRL). Polymer Journal, 1990, 22, 745-750.	2.7	1

#	ARTICLE	IF	CITATIONS
37	Preparation and Characterization of Carbon Pellets from Pre-Carbonized Mangrove Leaves. , 2011, , .		0
38	Schottky contact in P-HEMT wafer using metallization with Ge/Au/Ni/Au. , 2013, , .		0
39	Ohmic Contact in P-HEMT Wafer Using Metallization with Ge/Au/Ni/Au. Advanced Materials Research, 0, 896, 351-353.	0.3	0