M Yusop

List of Publications by Year
in descending order

127 papers	1,764 citations	346980 22 h-index	371746 37 g-index
127 all docs	127 docs citations	127 times ranked	2118 citing authors

#	Article	IF	Citations
1	Influence of tartaric acid as the complexing agent on the properties of chemical bath deposited FeSxOy thin films. Materials Today: Proceedings, 2021, 39, 947-950.	0.9	5
2	Effect of additive acid on seeded growth of gold nanobipyramids. Journal of Physics and Chemistry of Solids, 2021, 148, 109764.	1.9	9
3	The role of solid, liquid and gaseous hydrocarbon precursors on chemical vapor deposition grown carbon nanomaterials' growth temperature. Synthetic Metals, 2021, 274, 116735.	2.1	16
4	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	1.4	19
5	Research and Development Journey and Future Trends of Hollow Fiber Membranes for Purification Applications (1970â€“2020): A Bibliometric Analysis. Membranes, 2021, 11, 600.	1.4	6
6	Improvement of c-axis (002) AlN crystal plane by temperature assisted HiPIMS technique. Microelectronics International, 2021, 38, 86-92.	0.4	1
7	Graphene-based nanomaterials as antimicrobial surface coatings: A parallel approach to restrain the expansion of COVID-19. Surfaces and Interfaces, 2021, 27, 101460.	1.5	25
8	Pb(II) removal and its adsorption from aqueous solution using zinc oxide/graphene oxide composite. Chemical Engineering Communications, 2021, 208, 646-660.	1.5	18
9	Facile and economical, single-step single-chemical method for conversion of palm oil fuel ash waste into graphene nanosheets. Applied Materials Today, 2021, 25, 101193.	2.3	3
10	Room temperature growth of half-metallic Fe3O4 thin films on polycarbonate by reactive sputtering: Heterostructures for flexible spintronics. Journal of Alloys and Compounds, 2020, 816, 152532.	2.8	20
11	Room-temperature graphitization in a solid-phase reaction. RSC Advances, 2020, 10, 914-922.	1.7	4
12	Effect of fuel and oxygen concentration toward catalyst encapsulation in water-assisted flame synthesis of carbon nanotubes. Combustion and Flame, 2020, 220, 272-287.	2.8	7
13	Occupational safety and health in construction industry management (OSHCIM) implementation â€“ Academicianâ€™s perspectives. IOP Conference Series: Materials Science and Engineering, 2020, 849, 012017.	0.3	1
14	Occupational safety and health construction industry management (OSHCIM): current practice in Malaysia. IOP Conference Series: Materials Science and Engineering, 2020, 849, 012012.	0.3	1
15	Efficient Removal of Pb(II) from Aqueous Solution using Zinc Oxide/Graphene Oxide Composite. IOP Conference Series: Materials Science and Engineering, 2020, 736, 052002.	0.3	7
16	One-step synthesis of spontaneously graphitized nanocarbon using cobalt-nanoparticles. SN Applied Sciences, 2020, 2, 1.	1.5	3
17	Risk Assessment of Design Components of Building Construction. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012046.	0.3	1
18	Stability study of triple layer hollow fiber in solid oxide fuel cell with methane as fuel. Ionics, 2020, 26, 3073-3083.	1.2	0

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19	Ergonomic principles in traffic signs comprehension: A literature review. AIP Conference Proceedings, 2020, , .	0.3	4
20	Risk estimation of construction activities of buildings. AIP Conference Proceedings, 2020, , .	0.3	0
21	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. Chemosphere, 2020, 248, 126008.	4.2	261
22	Methane adsorption by porous graphene derived from rice husk ashes under various stabilization temperatures. Carbon Letters, 2020, 30, 535-543.	3.3	26
23	Effects of graphene polymer nano composite coating on corrosion resistance of Astm A106 carbon steel pipe. Malaysian Journal of Fundamental and Applied Sciences, 2020, 16, 483-486.	0.4	2
24	A review on graphene-based polymer composite coatings for the corrosion protection of metals. Corrosion Reviews, 2019, 37, 343-363.	1.0	39
25	Growth region characterization of carbon nanotubes synthesis in heterogeneous flame environment with wire-based macro-image analysis. Diamond and Related Materials, 2019, 99, 107500.	1.8	8
26	Fabrication of polymer-based graphene composite as highly conductive polymer electrode. AIP Conference Proceedings, 2019, , .	0.3	2
27	Effect of catalyst metal species for the synthesis of graphene using chemical vapor deposition method: A review. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 508-515.	0.4	2
28	Synthesis and characterization of graphene derived from rice husks. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 516-521.	0.4	25
29	Identification of CNT Growth Region and Optimum Time for Catalyst Oxidation: Experimental and Modelling Studies of Flame Synthesis. Evergreen, 2019, 6, 85-91.	0.3	3
30	In Situ Transmission Electron Microscope: Joule Heating Effect on Graphitization of Copper Incorporated Carbon Nanofiber. International Journal of Automotive and Mechanical Engineering, 2019, 16, 6931-6939.	0.5	0
31	Optically stimulated Al 2 O 3 :C luminescence dosimeters for teletherapy: H p (10) performance evaluation. Applied Radiation and Isotopes, 2018, 135, 7-11.	0.7	4
32	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. Carbon, 2018, 132, 165-171.	5.4	15
33	Fabrication of low cost, green silica based ceramic hollow fibre membrane prepared from waste rice husk for water filtration application. Ceramics International, 2018, 44, 10498-10509.	2.3	90
34	Phase modification and dielectric properties of a culletâ€“paper ashâ€“kaolin clay-based ceramic. International Journal of Minerals, Metallurgy and Materials, 2018, 25, 350-356.	2.4	1
35	An efficient integrated simulationâ€“Taguchi approach for sales rate evaluation of a petrol station. Neural Computing and Applications, 2018, 29, 1073-1085.	3.2	21
36	Enhancement in photocatalytic degradation of methylene blue by LaFeO3-GO integrated photocatalyst-adsorbents under visible light irradiation. Korean Journal of Chemical Engineering, 2018, 35, 548-556.	1.2	26

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37	Perception on Prolonged Standing Work in Electronic Manufacturing Company. International Journal of Engineering and Technology(UAE), 2018, 7, 44.	0.2	0
38	Education Level, Working Experiences and Ergonomics Training Effect on Ergonomics Awareness and Practices in Malaysia. International Journal of Engineering and Technology(UAE), 2018, 7, 12.	0.2	2
39	Analysis of the Potential Hazard Identification and Risk Assessment (HIRA) and Hazard Operability Study (HAZOP): Case Study. International Journal of Engineering and Technology(UAE), 2018, 7, 1.	0.2	9
40	Financial Impact and Causes of Chronic Musculoskeletal Disease Cases in Malaysia Based on Social Security Organization of Malaysia Claims Record. International Journal of Engineering and Technology(UAE), 2018, 7, 23.	0.2	5
41	Structural Properties of Cullet-Paper Ash-Kaolin Clay Ceramic. Journal of Physics: Conference Series, 2018, 1083, 012007.	0.3	1
42	The impact of work rest scheduling for prolonged standing activity. Industrial Health, 2018, 56, 492-499.	0.4	61
43	Knowledge, Attitude and Practices of Musculoskeletal Disorder Injuries from Malaysian Industries Employersâ€™ Perspective. International Journal of Engineering and Technology(UAE), 2018, 7, 28.	0.2	0
44	Application of computer simulation experiment and response surface methodology for productivity improvement in a continuous production line: Case study. Journal of King Saud University, Engineering Sciences, 2018, 30, 207-217.	1.2	21
45	Application of Six Sigma DMAIC methodology in plain yogurt production process. International Journal of Lean Six Sigma, 2018, 9, 562-578.	2.4	30
46	Methane adsorption capacity on graphene derived from glucose and ferric chloride. AIP Conference Proceedings, 2018, , .	0.3	1
47	Optimization of formaldehyde concentration on electroless copper deposition on alumina surface. AIP Conference Proceedings, 2018, , .	0.3	1
48	Structural Modification of Pristine Graphene Network Towards Nanoporous Graphene Membrane: A Review. Journal of Applied Membrane Science & Technology, 2018, 22, .	0.3	1
49	Backpack-back pain complexity and the need for multifactorial safe weight recommendation. Applied Ergonomics, 2017, 58, 573-582.	1.7	28
50	Dual-layer hollow fiber MT-SOFC using lithium doped CGO electrolyte fabricated via phase-inversion technique. Solid State Ionics, 2017, 304, 113-125.	1.3	5
51	Rapid production of carbon nanotubes: a review on advancement in growth control and morphology manipulations of flame synthesis. Journal of Materials Chemistry A, 2017, 5, 25144-25170.	5.2	46
52	EFFECT OF ETCHING AS PRE-TREATMENT FOR ELECTROLESS COPPER PLATING ON SILICON WAFER. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.3	0
53	Study of air traffic over KLFIR. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012033.	0.3	1
54	THE INTER-RATER AND INTRA-RATER RELIABILITY ANALYSIS OF WORKPLACE ERGONOMIC RISK ASSESSMENT. Jurnal Teknologi (Sciences and Engineering), 2017, 80, .	0.3	2

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55	OPTIMIZATION OF ELECTRICAL DISCHARGE MACHINING PARAMETERS OF SISIC THROUGH RESPONSE SURFACE METHODOLOGY. Jurnal Teknologi (Sciences and Engineering), 2016, 79, .	0.3	4
56	Surface characterization of a Au/CNT composite for a MEMS switching application. , 2016, , .		6
57	Room temperature fabrication of 1D carbon-copper composite nanostructures directly on Cu substrate and their field emission properties. AIP Advances, 2016, 6, .	0.6	5
58	In situ TEM visualization of Pd assisted graphene growth in nanoscale. , 2016, , .		1
59	In situ fabrication of graphene from a copperâ€“carbon nanoneedle and its electrical properties. RSC Advances, 2016, 6, 82459-82466.	1.7	5
60	Interaction of body mass index and age in muscular activities among backpack carrying male schoolchildren. Work, 2015, 52, 677-686.	0.6	13
61	Roomâ€temperature growth of ionâ€induced Siâ€and Geâ€incorporated carbon nanofibers. Physica Status Solidi (B): Basic Research, 2015, 252, 1345-1349.	0.7	10
62	Characterization of Manufacturing System Computer Simulation using Taguchi Method. Jurnal Teknologi (Sciences and Engineering), 2015, 72, .	0.3	9
63	DEMOGRAPHIC ANALYSIS OF OCCUPATIONAL ACCIDENT OCCURRENCE IN MANUFACTURING INDUSTRY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	0
64	DEVELOPMENT OF DIRECT TO INDIRECT COST RATIO OF OCCUPATIONAL ACCIDENT FOR MANUFACTURING INDUSTRY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.3	2
65	Occupational Accident Direct Cost Model Validation Using Confirmatory Factor Analysis. Procedia Manufacturing, 2015, 2, 286-290.	1.9	3
66	Occupational Accident Indirect Cost Model Validation Using Confirmatory Factor Analysis. Procedia Manufacturing, 2015, 2, 291-295.	1.9	2
67	Perception Study on Leading Factors of Slip and Fall Incidents in Manufacturing Industry. Procedia Manufacturing, 2015, 2, 263-267.	1.9	1
68	Effect of Working Posture on Back Pain Occurrence among Electronic Workers in Malaysia. Procedia Manufacturing, 2015, 2, 296-300.	1.9	3
69	Visualization of graphene formation in nanoscale by in situ transmission electron microscopy: A Review. , 2015, , .		0
70	Microwave plasma-induced graphene-sheet fibers from waste coffee grounds. Journal of Materials Chemistry A, 2015, 3, 14545-14549.	5.2	22
71	Production Line Analysis via Value Stream Mapping: A Lean Manufacturing Process of Color Industry. Procedia Manufacturing, 2015, 2, 6-10.	1.9	90
72	Efficiency Improvement of Blood Supply Chain System Using Taguchi Method and Dynamic Simulation. Procedia Manufacturing, 2015, 2, 1-5.	1.9	37

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73	A novel hydroxyapatite composite reinforced with titanium nanotubes coated on Coâ€“Cr-based alloy. Vacuum, 2015, 122, 82-89.	1.6	34
74	In situ transmission electron microscopy of Ag-incorporated carbon nanofibers: the effect of Ag nanoparticle size on graphene formation. RSC Advances, 2015, 5, 5647-5651.	1.7	9
75	Facile fabrication of hydrophobic surfaces on mechanically alloyed-Mg/HA/TiO2/MgO bionanocomposites. Applied Surface Science, 2015, 324, 380-392.	3.1	12
76	FLOOR SLIPPERINESS MEASUREMENT UNDER SPILLAGE CONDITION. Jurnal Teknologi (Sciences and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.3	1
77	Vacuum Ultraviolet Field Emission Lamp Consisting of Neodymium Ion Doped Lutetium Fluoride Thin Film as Phosphor. Scientific World Journal, The, 2014, 2014, 1-5.	0.8	5
78	Evaluating the Effect of Main Factors in Determining Speed Bump Location Based on Taguchi Design of Experiments. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	0
79	Performance Improvement of Concrete Pouring Process Based Resource Utilization Using Taguchi Method and Computer Simulation. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.3	11
80	Application of Design of Experiments to Homemade Yogurt Production Process. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .	0.3	0
81	Vacuum ultraviolet field emission lamp utilizing KMgF3 thin film phosphor. APL Materials, 2014, 2, .	2.2	31
82	Field emission properties of chemical vapor deposited individual graphene. Applied Physics Letters, 2014, 104, .	1.5	16
83	Low Temperature Direct of Graphene onto Metal Nanoâ€Spindt Tip with Applications in Electron Emission. Advanced Materials Interfaces, 2014, 1, 1300147.	1.9	11
84	Effect of surface morphology on the field emission property of ZnO films. Physica Status Solidi C: Current Topics in Solid State Physics, 2014, 11, 1349-1352.	0.8	1
85	Back pain arising from schoolbag usage among primary schoolchildren. International Journal of Industrial Ergonomics, 2014, 44, 590-600.	1.5	18
86	Influence of Ti additions on the martensitic phase transformation and mechanical properties of Cuâ€“Alâ€“Ni shape memory alloys. Journal of Thermal Analysis and Calorimetry, 2014, 118, 111-122.	2.0	60
87	Synthesis of a three dimensional structure of vertically aligned carbon nanotubes and graphene from a single solid carbon source. RSC Advances, 2014, 4, 13355.	1.7	13
88	Effects of Mn Additions on the Structure, Mechanical Properties, and Corrosion Behavior of Cu-Al-Ni Shape Memory Alloys. Journal of Materials Engineering and Performance, 2014, 23, 3620-3629.	1.2	50
89	Direct observation of structural change in Au-incorporated carbon nanofibers during field emission process. Carbon, 2014, 75, 277-280.	5.4	16
90	Visualizing copper assisted graphene growth in nanoscale. Scientific Reports, 2014, 4, 7563.	1.6	16

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91	Anthropometric data reduction using confirmatory factor analysis. Work, 2014, 47, 173-81.	0.6	3
92	Field emission characteristics of pristine and N-doped graphene measured by in-situ transmission electron microscopy. Journal of Applied Physics, 2013, 113, 214311.	1.1	23
93	Room-Temperature Fabrication of Au- and Ag-Incorporated Carbon Nanofibers by Ion Irradiation and Their Field Emission Properties. Japanese Journal of Applied Physics, 2013, 52, 11NL01.	0.8	9
94	Fabrication of Nanostructured ZnO Films for Transparent Field Emission Displays. Japanese Journal of Applied Physics, 2013, 52, 11NJ07.	0.8	8
95	Relationship between working postures and MSD in different body regions among electronics assembly workers in Malaysia. , 2013, , .		2
96	Combined Use of Design of Experiment and Computer Simulation for Resources Level Determination in Concrete Pouring Process. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.3	20
97	Effects of Aluminium Doping and Electrode Distance on the Performance of Aligned Zinc Oxide Nanorod Array-Based Ultraviolet Photoconductive Sensors. Japanese Journal of Applied Physics, 2012, 51, 06FE04.	0.8	0
98	Investigation of work-related musculoskeletal disorders in wall plastering jobs within the construction industry. Work, 2012, 43, 507-514.	0.6	20
99	Development of a holistic backpack-back pain model for school children. , 2012, , .		6
100	In Situ TEM Observation of Fe-Included Carbon Nanofiber: Evolution of Structural and Electrical Properties in Field Emission Process. ACS Nano, 2012, 6, 9567-9573.	7.3	31
101	Transparent and flexible field emission display device based on singleâ€walled carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2012, 6, 303-305.	1.2	9
102	Direct fabrication of aligned metal composite carbon nanofibers on copper substrate at room temperature and their field emission property. Chemical Communications, 2011, 47, 4820.	2.2	8
103	Learning organization in New Zealand and Malaysian manufacturing companies. , 2011, , .		1
104	Fabrication of Ion-Induced Carbon-Cobalt Nanocomposite Fibers: Effect of Cobalt Supply Rate. Journal of Nanoscience and Nanotechnology, 2011, 11, 10677-10681.	0.9	4
105	Fabrication of Ge nanoneedles by ion-irradiation method. Surface and Coatings Technology, 2011, 206, 812-815.	2.2	1
106	Formation of carbon nanostructures containing single-crystalline cobalt carbides by ion irradiation method. Applied Surface Science, 2011, 257, 3168-3173.	3.1	6
107	Morphology and Size of Ion Induced Carbon Nanofibers: Effect of Ion Incidence Angle, Sputtering Rate, and Temperature. Japanese Journal of Applied Physics, 2011, 50, 01AF10.	0.8	3
108	Improvement in Field Electron Emission Performance of Natural-Precursor-Grown Carbon Nanofibers by Thermal Annealing in Argon Atmosphere. Japanese Journal of Applied Physics, 2011, 50, 01AF09.	0.8	2

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109	Structural change of ion-induced carbon nanofibers by electron current flow. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 04E103.	0.6	2
110	Highly transparent and flexible field emission devices based on single-walled carbon nanotube films. Chemical Communications, 2011, 47, 4980.	2.2	17
111	Vacuum ultraviolet field emission lamp based on a KMgF<inf>3</inf> thin film phosphor. , 2011, , .		3
112	Crystallinity-controlled iron-carbon composite nanofibersâ€"Synthesis and characteristic properties. Journal of Crystal Growth, 2010, 312, 1935-1939.	0.7	4
113	Formation and growth mechanisms of ion-induced ironâ€"carbon nanocomposites at room temperature. Applied Surface Science, 2010, 256, 6371-6374.	3.1	6
114	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2010, 28, C2C9-C2C12.	0.6	9
115	Structural change of ion-induced carbon nanofibers by electron current flow. , 2010, , .		0
116	Transparent and Flexible Field Electron Emitters Based on the Conical Nanocarbon Structures. Journal of the American Chemical Society, 2010, 132, 4034-4035.	6.6	55
117	Fabrication of ion-induced carbon-cobalt nanocomposite fibers: Effect of cobalt supply rate. , 2010, , .		1
118	The relationship between statistical process control critical success factors and performance: A structural equation modeling approach. , 2009, , .		4
119	Application of ion-induced carbon nanocomposite fibers to magnetic force microscope probes. Journal of Vacuum Science & Technology B, 2009, 27, 980.	1.3	7
120	Growth of Y-junction bamboo-shaped CNx nanotubes on GaAs substrate using single feedstock. Applied Surface Science, 2009, 255, 4611-4615.	3.1	17
121	Vertically aligned carbon nanotubes from natural precursors byÂspray pyrolysis method and their field electron emission properties. Applied Physics A: Materials Science and Processing, 2009, 94, 51-56.	1.1	17
122	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. , 2009, , .		0
123	Morphological Control of Ion-Induced Carbon Nanofibers and Their Field Emission Properties. IEICE Transactions on Electronics, 2009, E92-C, 1449-1453.	0.3	0
124	Field emission property of N-doped aligned carbon nanotubes grown by pyrolysis of monoethanolamine. Solid State Communications, 2008, 147, 15-19.	0.9	21
125	Bamboo-shaped aligned CN_xnanotubes synthesized using single feedstock at different temperatures and study of their field electron emission. Journal Physics D: Applied Physics, 2008, 41, 155405.	1.3	17
126	Field emission from a single carbon nanofiber at sub 100nm gap. Applied Physics Letters, 2008, 93, .	1.5	22

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127	Physical and Electrical Properties of Cullet-Paper Ash-Kaolin Clay Ceramic. Materials Science Forum, 0, 846, 102-106.	0.3	0