M Yusop

List of Publications by Year
in descending order

127 papers	1,764 citations	304743 22 h-index	330143 37 g-index
127 all docs	127 docs citations	127 times ranked	1915 citing authors

#	Article	IF	Citations
1	Adsorptive removal of heavy metal ions using graphene-based nanomaterials: Toxicity, roles of functional groups and mechanisms. Chemosphere, 2020, 248, 126008.	8.2	261
2	Production Line Analysis via Value Stream Mapping: A Lean Manufacturing Process of Color Industry. Procedia Manufacturing, 2015, 2, 6-10.	1.9	90
3	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.	4.8	90
4	The impact of work rest scheduling for prolonged standing activity. Industrial Health, 2018, 56, 492-499.	1.0	61
5	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.	3.6	60
6	Transparent and Flexible Field Electron Emitters Based on the Conical Nanocarbon Structures. Journal of the American Chemical Society, 2010, 132, 4034-4035.	13.7	55
7	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.	2.5	50
8	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.	10.3	46
9	A review on graphene-based polymer composite coatings for the corrosion protection of metals. Corrosion Reviews, 2019, 37, 343-363.	2.0	39
10	Efficiency Improvement of Blood Supply Chain System Using Taguchi Method and Dynamic Simulation. Procedia Manufacturing, 2015, 2, 1-5.	1.9	37
11	A novel hydroxyapatite composite reinforced with titanium nanotubes coated on Coâ€“Cr-based alloy. Vacuum, 2015, 122, 82-89.	3.5	34
12	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.	14.6	31
13	Vacuum ultraviolet field emission lamp utilizing KMgF3 thin film phosphor. APL Materials, 2014, 2, .	5.1	31
14	Application of Six Sigma DMAIC methodology in plain yogurt production process. International Journal of Lean Six Sigma, 2018, 9, 562-578.	3.3	30
15	Backpack-back pain complexity and the need for multifactorial safe weight recommendation. Applied Ergonomics, 2017, 58, 573-582.	3.1	28
16	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.	2.7	26
17	Methane adsorption by porous graphene derived from rice husk ashes under various stabilization temperatures. Carbon Letters, 2020, 30, 535-543.	5.9	26
18	Graphene-based nanomaterials as antimicrobial surface coatings: A parallel approach to restrain the expansion of COVID-19. Surfaces and Interfaces, 2021, 27, 101460.	3.0	25

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19	Synthesis and characterization of graphene derived from rice husks. Malaysian Journal of Fundamental and Applied Sciences, 2019, 15, 516-521.	0.8	25
20	Field emission characteristics of pristine and N-doped graphene measured by in-situ transmission electron microscopy. Journal of Applied Physics, 2013, 113, 214311.	2.5	23
21	Field emission from a single carbon nanofiber at sub 100nm gap. Applied Physics Letters, 2008, 93, .	3.3	22
22	Microwave plasma-induced graphene-sheet fibers from waste coffee grounds. Journal of Materials Chemistry A, 2015, 3, 14545-14549.	10.3	22
23	Field emission property of N-doped aligned carbon nanotubes grown by pyrolysis of monoethanolamine. Solid State Communications, 2008, 147, 15-19.	1.9	21
24	An efficient integrated simulationâ€“Taguchi approach for sales rate evaluation of a petrol station. Neural Computing and Applications, 2018, 29, 1073-1085.	5.6	21
25	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.	2.0	21
26	Investigation of work-related musculoskeletal disorders in wall plastering jobs within the construction industry. Work, 2012, 43, 507-514.	1.1	20
27	Combined Use of Design of Experiment and Computer Simulation for Resources Level Determination in Concrete Pouring Process. Jurnal Teknologi (Sciences and Engineering), 2013, 64, .	0.4	20
28	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.	5.5	20
29	Synthesis and Characterization of Titanium Dioxide Hollow Nanofiber for Photocatalytic Degradation of Methylene Blue Dye. Membranes, 2021, 11, 581.	3.0	19
30	Back pain arising from schoolbag usage among primary schoolchildren. International Journal of Industrial Ergonomics, 2014, 44, 590-600.	2.6	18
31	Pb(II) removal and its adsorption from aqueous solution using zinc oxide/graphene oxide composite. Chemical Engineering Communications, 2021, 208, 646-660.	2.6	18
32	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.	2.8	17
33	Growth of Y-junction bamboo-shaped CNx nanotubes on GaAs substrate using single feedstock. Applied Surface Science, 2009, 255, 4611-4615.	6.1	17
34	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.	2.3	17
35	Highly transparent and flexible field emission devices based on single-walled carbon nanotube films. Chemical Communications, 2011, 47, 4980.	4.1	17
36	Field emission properties of chemical vapor deposited individual graphene. Applied Physics Letters, 2014, 104, .	3.3	16

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37	Direct observation of structural change in Au-incorporated carbon nanofibers during field emission process. Carbon, 2014, 75, 277-280.	10.3	16
38	Visualizing copper assisted graphene growth in nanoscale. Scientific Reports, 2014, 4, 7563.	3.3	16
39	The role of solid, liquid and gaseous hydrocarbon precursors on chemical vapor deposition grown carbon nanomaterials' growth temperature. Synthetic Metals, 2021, 274, 116735.	3.9	16
40	In situ TEM synthesis of carbon nanotube Y-junctions by electromigration induced soldering. Carbon, 2018, 132, 165-171.	10.3	15
41	Synthesis of a three dimensional structure of vertically aligned carbon nanotubes and graphene from a single solid carbon source. RSC Advances, 2014, 4, 13355.	3.6	13
42	Interaction of body mass index and age in muscular activities among backpack carrying male schoolchildren. Work, 2015, 52, 677-686.	1.1	13
43	Facile fabrication of hydrophobic surfaces on mechanically alloyed-Mg/HA/TiO2/MgO bionanocomposites. Applied Surface Science, 2015, 324, 380-392.	6.1	12
44	Performance Improvement of Concrete Pouring Process Based Resource Utilization Using Taguchi Method and Computer Simulation. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	11
45	Low Temperature Direct of Graphene onto Metal Nanoâ€Spindt Tip with Applications in Electron Emission. Advanced Materials Interfaces, 2014, 1, 1300147.	3.7	11
46	Roomâ€temperature growth of ionâ€induced Siâ€and Geâ€incorporated carbon nanofibers. Physica Status Solidi (B): Basic Research, 2015, 252, 1345-1349.	1.5	10
47	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.	1.2	9
48	Transparent and flexible field emission display device based on singleâ€walled carbon nanotubes. Physica Status Solidi - Rapid Research Letters, 2012, 6, 303-305.	2.4	9
49	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.	1.5	9
50	Characterization of Manufacturing System Computer Simulation using Taguchi Method. Jurnal Teknologi (Sciences and Engineering), 2015, 72, .	0.4	9
51	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.	3.6	9
52	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.	0.3	9
53	Effect of additive acid on seeded growth of gold nanobipyramids. Journal of Physics and Chemistry of Solids, 2021, 148, 109764.	4.0	9
54	Direct fabrication of aligned metal composite carbon nanofibers on copper substrate at room temperature and their field emission property. Chemical Communications, 2011, 47, 4820.	4.1	8

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55	Fabrication of Nanostructured ZnO Films for Transparent Field Emission Displays. Japanese Journal of Applied Physics, 2013, 52, 11NJ07.	1.5	8
56	Growth region characterization of carbon nanotubes synthesis in heterogeneous flame environment with wire-based macro-image analysis. Diamond and Related Materials, 2019, 99, 107500.	3.9	8
57	Application of ion-induced carbon nanocomposite fibers to magnetic force microscope probes. Journal of Vacuum Science & Technology B, 2009, 27, 980.	1.3	7
58	Effect of fuel and oxygen concentration toward catalyst encapsulation in water-assisted flame synthesis of carbon nanotubes. Combustion and Flame, 2020, 220, 272-287.	5.2	7
59	Efficient Removal of Pb(II) from Aqueous Solution using Zinc Oxide/Graphene Oxide Composite. IOP Conference Series: Materials Science and Engineering, 2020, 736, 052002.	0.6	7
60	Formation and growth mechanisms of ion-induced ironâ€“carbon nanocomposites at room temperature. Applied Surface Science, 2010, 256, 6371-6374.	6.1	6
61	Formation of carbon nanostructures containing single-crystalline cobalt carbides by ion irradiation method. Applied Surface Science, 2011, 257, 3168-3173.	6.1	6
62	Development of a holistic backpack-back pain model for school children. , 2012, , .		6
63	Surface characterization of a Au/CNT composite for a MEMS switching application. , 2016, , .		6
64	Research and Development Journey and Future Trends of Hollow Fiber Membranes for Purification Applications (1970â€“2020): A Bibliometric Analysis. Membranes, 2021, 11, 600.	3.0	6
65	Vacuum Ultraviolet Field Emission Lamp Consisting of Neodymium Ion Doped Lutetium Fluoride Thin Film as Phosphor. Scientific World Journal, The, 2014, 2014, 1-5.	2.1	5
66	Room temperature fabrication of 1D carbon-copper composite nanostructures directly on Cu substrate and their field emission properties. AIP Advances, 2016, 6, .	1.3	5
67	In situ fabrication of graphene from a copperâ€“carbon nanoneedle and its electrical properties. RSC Advances, 2016, 6, 82459-82466.	3.6	5
68	Dual-layer hollow fiber MT-SOFC using lithium doped CGO electrolyte fabricated via phase-inversion technique. Solid State Ionics, 2017, 304, 113-125.	2.7	5
69	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.	0.3	5
70	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.	1.8	5
71	The relationship between statistical process control critical success factors and performance: A structural equation modeling approach. , 2009, , .		4
72	Crystallinity-controlled iron-carbon composite nanofibersâ€”Synthesis and characteristic properties. Journal of Crystal Growth, 2010, 312, 1935-1939.	1.5	4

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73	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
74	OPTIMIZATION OF ELECTRICAL DISCHARGE MACHINING PARAMETERS OF SISIC THROUGH RESPONSE SURFACE METHODOLOGY. Jurnal Teknologi (Sciences and Engineering), 2016, 79, .	0.4	4
75	Optically stimulated Al 2 O 3 :C luminescence dosimeters for teletherapy: H p (10) performance evaluation. Applied Radiation and Isotopes, 2018, 135, 7-11.	1.5	4
76	Room-temperature graphitization in a solid-phase reaction. RSC Advances, 2020, 10, 914-922.	3.6	4
77	Ergonomic principles in traffic signs comprehension: A literature review. AIP Conference Proceedings, 2020, , .	0.4	4
78	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.	1.5	3
79	Vacuum ultraviolet field emission lamp based on a KMgF<inf>3</inf> thin film phosphor. , 2011, , .		3
80	Occupational Accident Direct Cost Model Validation Using Confirmatory Factor Analysis. Procedia Manufacturing, 2015, 2, 286-290.	1.9	3
81	Effect of Working Posture on Back Pain Occurrence among Electronic Workers in Malaysia. Procedia Manufacturing, 2015, 2, 296-300.	1.9	3
82	One-step synthesis of spontaneously graphitized nanocarbon using cobalt-nanoparticles. SN Applied Sciences, 2020, 2, 1.	2.9	3
83	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.	4.3	3
84	Identification of CNT Growth Region and Optimum Time for Catalyst Oxidation: Experimental and Modelling Studies of Flame Synthesis. Evergreen, 2019, 6, 85-91.	0.5	3
85	Anthropometric data reduction using confirmatory factor analysis. Work, 2014, 47, 173-81.	1.1	3
86	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.	1.5	2
87	Structural change of ion-induced carbon nanofibers by electron current flow. Journal of Vacuum Science and Technology B:Nanotechnology and Microelectronics, 2011, 29, 04E103.	1.2	2
88	Relationship between working postures and MSD in different body regions among electronics assembly workers in Malaysia. , 2013, , .		2
89	DEVELOPMENT OF DIRECT TO INDIRECT COST RATIO OF OCCUPATIONAL ACCIDENT FOR MANUFACTURING INDUSTRY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	2
90	Occupational Accident Indirect Cost Model Validation Using Confirmatory Factor Analysis. Procedia Manufacturing, 2015, 2, 291-295.	1.9	2

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91	THE INTER-RATER AND INTRA-RATER RELIABILITY ANALYSIS OF WORKPLACE ERGONOMIC RISK ASSESSMENT. Jurnal Teknologi (Sciences and Engineering), 2017, 80, .	0.4	2
92	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.	0.3	2
93	Fabrication of polymer-based graphene composite as highly conductive polymer electrode. AIP Conference Proceedings, 2019, , .	0.4	2
94	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.	0.8	2
95	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.	0.8	2
96	Fabrication of ion-induced carbon-cobalt nanocomposite fibers: Effect of cobalt supply rate. , 2010, , .		1
97	Learning organization in New Zealand and Malaysian manufacturing companies. , 2011, , .		1
98	Fabrication of Ge nanoneedles by ion-irradiation method. Surface and Coatings Technology, 2011, 206, 812-815.	4.8	1
99	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
100	Perception Study on Leading Factors of Slip and Fall Incidents in Manufacturing Industry. Procedia Manufacturing, 2015, 2, 263-267.	1.9	1
101	In situ TEM visualization of Pd assisted graphene growth in nanoscale. , 2016, , .		1
102	Study of air traffic over KLFIR. IOP Conference Series: Materials Science and Engineering, 2017, 270, 012033.	0.6	1
103	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.	4.9	1
104	Structural Properties of Cullet-Paper Ash-Kaolin Clay Ceramic. Journal of Physics: Conference Series, 2018, 1083, 012007.	0.4	1
105	Methane adsorption capacity on graphene derived from glucose and ferric chloride. AIP Conference Proceedings, 2018, , .	0.4	1
106	Optimization of formaldehyde concentration on electroless copper deposition on alumina surface. AIP Conference Proceedings, 2018, , .	0.4	1
107	Occupational safety and health in construction industry management (OSHCIM) implementation â€“ Academicianâ€™s perspectives. IOP Conference Series: Materials Science and Engineering, 2020, 849, 012017.	0.6	1
108	Occupational safety and health construction industry management (OSHCIM): current practice in Malaysia. IOP Conference Series: Materials Science and Engineering, 2020, 849, 012012.	0.6	1

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109	Risk Assessment of Design Components of Building Construction. IOP Conference Series: Materials Science and Engineering, 2020, 884, 012046.	0.6	1
110	Improvement of c-axis (002) AlN crystal plane by temperature assisted HiPIMS technique. Microelectronics International, 2021, 38, 86-92.	0.6	1
111	FLOOR SLIPPERINESS MEASUREMENT UNDER SPILLAGE CONDITION. Jurnal Teknologi (Sciences and) Tj ETQq1 1 0.784314 rgBT /Ove	0.4	1
112	Structural Modification of Pristine Graphene Network Towards Nanoporous Graphene Membrane: A Review. Journal of Applied Membrane Science & Technology, 2018, 22, .	0.6	1
113	Direct growth of carbon nanofibers on metal mesh substrates by ion irradiation method. , 2009, , .		0
114	Morphological Control of Ion-Induced Carbon Nanofibers and Their Field Emission Properties. IEICE Transactions on Electronics, 2009, E92-C, 1449-1453.	0.6	0
115	Structural change of ion-induced carbon nanofibers by electron current flow. , 2010, , .		0
116	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.	1.5	0
117	Evaluating the Effect of Main Factors in Determining Speed Bump Location Based on Taguchi Design of Experiments. Jurnal Teknologi (Sciences and Engineering), 2014, 69, .	0.4	0
118	Application of Design of Experiments to Homemade Yogurt Production Process. Jurnal Teknologi (Sciences and Engineering), 2014, 68, .	0.4	0
119	DEMOGRAPHIC ANALYSIS OF OCCUPATIONAL ACCIDENT OCCURRENCE IN MANUFACTURING INDUSTRY. Jurnal Teknologi (Sciences and Engineering), 2015, 77, .	0.4	0
120	Visualization of graphene formation in nanoscale by in situ transmission electron microscopy: A Review. , 2015, , .		0
121	Physical and Electrical Properties of Cullet-Paper Ash-Kaolin Clay Ceramic. Materials Science Forum, 0, 846, 102-106.	0.3	0
122	EFFECT OF ETCHING AS PRE-TREATMENT FOR ELECTROLESS COPPER PLATING ON SILICON WAFER. Jurnal Teknologi (Sciences and Engineering), 2017, 79, .	0.4	0
123	Perception on Prolonged Standing Work in Electronic Manufacturing Company. International Journal of Engineering and Technology(UAE), 2018, 7, 44.	0.3	0
124	Knowledge, Attitude and Practices of Musculoskeletal Disorder Injuries from Malaysian Industries Employersâ€™ Perspective. International Journal of Engineering and Technology(UAE), 2018, 7, 28.	0.3	0
125	Stability study of triple layer hollow fiber in solid oxide fuel cell with methane as fuel. Ionics, 2020, 26, 3073-3083.	2.4	0
126	Risk estimation of construction activities of buildings. AIP Conference Proceedings, 2020, , .	0.4	0

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127	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.	0.9	0