Belal F Yousif

List of Publications by Year
in descending order

97 papers	5,065 citations	109321 35 h-index	91884 69 g-index
98 all docs	98 docs citations	98 times ranked	3631 citing authors

#	Article	IF	Citations
1	Hydrogen Energy Demand Growth Prediction and Assessment (2021â€“2050) Using a System Thinking and System Dynamics Approach. Applied Sciences (Switzerland), 2022, 12, 781.	2.5	52
2	A Comprehensive Review on Efficiency Enhancement of Solar Collectors Using Hybrid Nanofluids. Energies, 2022, 15, 1391.	3.1	15
3	Machinability of Polymeric Composites and Future Reinforcementsâ€”A Review. Journal of Materials Science and Chemical Engineering, 2022, 10, 40-72.	0.4	3
4	Influence of graphene nanoplatelets on mechanical properties and adhesive wear performance of epoxy-based composites. Friction, 2021, 9, 856-875.	6.4	26
5	Tribological Studies of Bamboo Fibre Reinforced Epoxy Composites Using a BOD Technique. Polymers, 2021, 13, 2444.	4.5	10
6	Epoxy and Polyester Compositesâ€™ Characteristics under Tribological Loading Conditions. Polymers, 2021, 13, 2230.	4.5	5
7	Tribological Behavior of Mild Steel under Canola Biolubricant Conditions. Advances in Tribology, 2021, 2021, 1-13.	2.1	2
8	Tribological Characteristics of Commercial Metals. Research Journal of Applied Sciences, Engineering and Technology, 2020, 17, 122-128.	0.1	0
9	Tribological Investigation of Frictional Behaviour of Mild Steel Under Canola Bio-Lubricant Conditions. Tribology in Industry, 2020, 42, 481-493.	1.1	5
10	The Influence of Emulsified Water Fuel Containing Fresh Water Microalgae on Diesel Engine Performance, Combustion, Vibration and Emission. Energies, 2019, 12, 2546.	3.1	10
11	Toughening of brittle polyester with functionalized halloysite nanocomposites. Composites Part B: Engineering, 2019, 160, 94-109.	12.0	46
12	Physical and mechanical properties of bamboo fibre/polyester composites subjected to moisture and hygrothermal conditions. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2019, 233, 1065-1079.	1.1	13
13	Fracture behaviour of bamboo fiber reinforced epoxy composites. Composites Part B: Engineering, 2017, 116, 186-199.	12.0	149
14	Tribological properties of biomass-basedÂcomposites. , 2017, , 225-257.		0
15	Biolubricants and the Potential of Waste Cooking Oil. Materials Forming, Machining and Tribology, 2016, , 125-143.	1.1	6
16	Two-Body Abrasion of Bamboo Fibre/Epoxy Composites. Materials Forming, Machining and Tribology, 2016, , 145-172.	1.1	1
17	Influence of metal coating on sorghum milling process subjected to three body abrasion. International Journal of Precision Technology, 2015, 5, 27.	0.2	0
18	Simulation of Fragmentation Technique Using ANSYS Software. Advances in Chemical and Materials Engineering Book Series, 2015, , 341-372.	0.3	0

#	Article	IF	Citations
19	Wear behaviour and mechanism of different metals sliding against stainless steel counterface. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2014, 228, 692-704.	1.8	11
20	Investigation on interfacial adhesion of date palm/epoxy using fragmentation technique. Materials & Design, 2014, 53, 928-937.	5.1	43
21	Role of silanized halloysite nanotubes on structural, mechanical properties and fracture toughness of thermoset nanocomposites. Materials & Design, 2014, 57, 279-288.	5.1	54
22	Influence of date palm fibre and graphite filler on mechanical and wear characteristics of epoxy composites. Materials & Design, 2014, 59, 264-273.	5.1	154
23	Wear and Frictional Behaviour of Metals. Advanced Materials Research, 2014, 893, 430-435.	0.3	1
24	Multimedia Resources in Engineering Education. Materials Forming, Machining and Tribology, 2014, , 449-461.	1.1	0
25	Impact fracture behaviour of silane-treated halloysite nanotubes-reinforced unsaturated polyester. Engineering Failure Analysis, 2013, 35, 718-725.	4.0	28
26	Adhesive Wear Characteristics of Natural Fiber-Reinforced Composites. , 2013, , 61-97.		0
27	Performance analysis of journal bearings using ultrasonic reflection. Tribology International, 2013, 64, 78-84.	5.9	9
28	Characteristics of kenaf fibre/epoxy composites subjected to thermal degradation. Polymer Degradation and Stability, 2013, 98, 2752-2759.	5.8	156
29	A critical review on the manufacturing processes in relation to the properties of nanoclay/polymer composites. Journal of Composite Materials, 2013, 47, 1093-1115.	2.4	95
30	Design of newly fabricated tribological machine for wear and frictional experiments under dry/wet condition. Materials & Design, 2013, 48, 2-13.	5.1	32
31	Morphological structures and tribological performance of unsaturated polyester based untreated/silane-treated halloysite nanotubes. Materials & Design, 2013, 48, 68-76.	5.1	61
32	In State of Art: Mechanical and tribological behaviour of polymeric composites based on natural fibres. Materials & Design, 2013, 48, 14-24.	5.1	436
33	A review on the degradability of polymeric composites based on natural fibres. Materials & Design, 2013, 47, 424-442.	5.1	1,055
34	The potential of using date palm fibres as reinforcement for polymeric composites. Materials & Design, 2013, 43, 177-184.	5.1	134
35	A review on the mechanical properties and machinability of natural fibre reinforced composites. International Journal of Precision Technology, 2013, 3, 152.	0.2	5
36	Sustainable Composites. Advances in Materials Science and Engineering, 2013, 2013, 1-1.	1.8	1

#	Article	IF	Citations
37	Fuzzy Logic based Model to Predict Maximum Oil-Film Pressure in Journal Bearing. Research Journal of Applied Sciences, Engineering and Technology, 2013, 6, 3871-3878.	0.1	4
38	Betelnut fibres as an alternative to glass fibres to reinforce thermoset composites: A comparative study. Textile Reseach Journal, 2012, 82, 1107-1120.	2.2	40
39	TRIBOLOGICAL CONSIDERATION IN ROLLER MILL MACHINES FOR AGRICULTURE APPLICATIONS. Surface Review and Letters, 2012, 19, 1250065.	1.1	2
40	EPOXY COMPOSITE BASED ON KENAF FIBERS FOR TRIBOLOGICAL APPLICATIONS UNDER WET CONTACT CONDITIONS. Surface Review and Letters, 2012, 19, 1250050.	1.1	30
41	Characteristics of Kenaf Fiber Immersed in Different Solutions. Journal of Natural Fibers, 2012, 9, 207-218.	3.1	12
42	Suitability of using coir fiber/polymeric composite for the design of liquid storage tanks. Materials & Design, 2012, 36, 847-853.	5.1	72
43	Flexural properties of treated and untreated kenaf/epoxy composites. Materials & Design, 2012, 40, 378-385.	5.1	269
44	Tribological Characteristics of Sustainable Fiber-Reinforced Thermoplastic Composites under Wet Adhesive Wear. Tribology Transactions, 2011, 54, 736-748.	2.0	35
45	Investigations on wear and frictional properties of kenaf fibre polyurethane composites under dry and wet contact conditions. International Journal of Precision Technology, 2011, 2, 375.	0.2	5
46	Wear and frictional performance of polymeric composites aged in various solutions. Wear, 2011, 272, 97-104.	3.1	40
47	Crude palm oil fuel for diesel-engines: Experimental and ANN simulation approaches. Energy, 2011, 36, 4871-4878.	8.8	94
48	Adhesive Wear of Thermoplastic Composite Based on Kenaf Fibres. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2011, 225, 101-109.	1.8	27
49	Three-body abrasion on wear and frictional performance of treated betelnut fibre reinforced epoxy (T-BFRE) composite. Materials & Design, 2010, 31, 4514-4521.	5.1	80
50	Polyester composite based on betelnut fibre for tribological applications. Tribology International, 2010, 43, 503-511.	5.9	94
51	Wear characteristics of thermoset composite under high stress three-body abrasive. Tribology International, 2010, 43, 2365-2371.	5.9	53
52	Effect of betelnut fibres treatment and contact conditions on adhesive wear and frictional performance of polyester composites. Wear, 2010, 268, 1354-1370.	3.1	119
53	CNG-diesel engine performance and exhaust emission analysis with the aid of artificial neural network. Applied Energy, 2010, 87, 1661-1669.	10.1	201
54	Wet adhesive wear characteristics of untreated oil palm fibre-reinforced polyester and treated oil palm fibre-reinforced polyester composites using the pin-on-disc and block-on-ring techniques. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2010, 224, 123-131.	1.8	27

#	Article	IF	Citations
55	On the mechanical properties of a treated betelnut fibre-reinforced polyester composite. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1805-1814.	2.1	8
56	Effects of fillers on the fracture behaviour of particulate polyester composites. Journal of Strain Analysis for Engineering Design, 2010, 45, 67-78.	1.8	32
57	TRIBOLOGICAL BEHAVIOUR OF KFRE COMPOSITE. International Journal of Modern Physics B, 2010, 24, 5589-5599.	2.0	14
58	EFFECT OF OIL PALM FIBRES VOLUME FRACTION ON MECHANICAL PROPERTIES OF POLYESTER COMPOSITES. International Journal of Modern Physics B, 2010, 24, 4459-4470.	2.0	21
59	An artificial neural network for prediction of the friction coefficient of multi-layer polymeric composites in three different orientations. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 419-429.	2.1	22
60	The effects of alkali treatment on the interfacial adhesion of bamboo fibres. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2010, 224, 139-148.	1.1	42
61	Adhesive wear and frictional characteristics of UHMWPE and HDPE sliding against different counterfaces under dry contact condition. Tribology - Materials, Surfaces and Interfaces, 2010, 4, 78-85.	1.4	6
62	The Effect of Treatment on Tribo-Performance of CFRP Composites. Recent Patents on Materials Science, 2010, 2, 67-74.	0.5	2
63	On Integration of Mirror Collector and Stirling Engine for Solar Power System. , 2010, , 521-531.		0
64	New Technique Measuring Film Thickness for Tribological Machines. , 2009, , .		0
65	The Effect of Treatment on Tribo-Performance of CFRP Composites. Recent Patents on Materials Science, 2009, 2, 67-74.	0.5	21
66	Fracture behaviour of glass fibre-reinforced polyester composite. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2009, 223, 83-89.	1.1	12
67	Wear and frictional performance of betelnut fibre-reinforced polyester composite. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2009, 223, 183-194.	1.8	54
68	Frictional and wear performance of polyester composites based on coir fibres. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2009, 223, 51-59.	1.8	70
69	ADHESIVE WEAR AND FRICTIONAL BEHAVIOR OF MULTILAYERED POLYESTER COMPOSITE BASED ON BETELNUT FIBER MATS UNDER WET CONTACT CONDITIONS. Surface Review and Letters, 2009, 16, 407-414.	1.1	13
70	Potential of kenaf fibres as reinforcement for tribological applications. Wear, 2009, 267, 1550-1557.	3.1	249
71	On the Development of Solar Drying System. , 2009, , .		0
72	ANN for Tribological Applications. , 2009, , .		1

#	Article	IF	Citations
73	Mechanical and wear properties of oil palm and glass fibres reinforced polyester composites. International Journal of Precision Technology, 2009, 1, 213.	0.2	32
74	Kenaf Fibers for Tribo-Thermoplastic Composites. , 2009, , .		0
75	Adhesive Wear Performance of T-OPRP and UT-OPRP Composites. Tribology Letters, 2008, 32, 199-208.	2.6	81
76	An investigation on worn surfaces of chopped glass fibre reinforced polyester through SEM observations. Tribology International, 2008, 41, 331-340.	5.9	49
77	Wear and friction characteristics of CGRP composite under wet contact condition using two different test techniques. Wear, 2008, 265, 856-864.	3.1	53
78	Replacing of glass fibres with seed oil palm fibres for tribopolymeric composites. Tribology - Materials, Surfaces and Interfaces, 2008, 2, 99-103.	1.4	20
79	ADHESIVE WEAR PERFORMANCE OF CFRP MULTILAYERED POLYESTER COMPOSITES UNDER DRY/WET CONTACT CONDITIONS. Surface Review and Letters, 2008, 15, 919-925.	1.1	11
80	ON THE EFFECT OF COUNTERFACE MATERIALS ON TRIBO-BEHAVIOR OF STEEL WIRE SLIDING UNDER DRY CONTACT CONDITION. Surface Review and Letters, 2008, 15, 355-360.	1.1	0
81	High-stress three-body abrasive wear of treated and untreated oil palm fibre-reinforced polyester composites. Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology, 2008, 222, 637-646.	1.8	46
82	The Potential of Using Betelnut Fibres for Tribo-Polyester Composites Considering Three Different Orientations. , 2008, , .		5
83	On the Effect of Roller Materials on the Power Window Mechanism From a Tribological Perspective. , 2008, , .		0
84	ON THE EFFECT OF WOVEN GLASS FABRIC ORIENTATIONS ON WEAR AND FRICTION PROPERTIES OF POLYESTER COMPOSITE. Surface Review and Letters, 2007, 14, 489-497.	1.1	11
85	EFFECT OF WATER AS LUBRICANT ON FRICTION AND WEAR PROPERTIES OF CGRP COMPOSITE EVALUATED BY POD AND BOR TECHNIQUES. Surface Review and Letters, 2007, 14, 185-191.	1.1	8
86	THE EFFECT OF OIL PALM FIBERS AS REINFORCEMENT ON TRIBOLOGICAL PERFORMANCE OF POLYESTER COMPOSITE. Surface Review and Letters, 2007, 14, 1095-1102.	1.1	99
87	An Investigation on Tensile, Compression and Flexural Properties of Natural Fibre Reinforced Polyester Composites. , 2007, , 619.		9
88	On Tribo-Test Machine Integrating Pin-on-Disc and Block-on-Ring. Tribology Online, 2007, 2, 50-53.	0.9	6
89	Evaluation of glass fiber reinforced polyester composite for multi-pass abrasive wear applications. Wear, 2007, 262, 1140-1151.	3.1	56
90	Tribological Evaluations of Polyester Composites Considering Three Orientations of CSM Glass Fibres Using BOR Machine. Applied Composite Materials, 2007, 14, 105-116.	2.5	40

#	Article	IF	Citations
91	Tribological studies of polyester reinforced with CSM 450-R-glass fiber sliding against smooth stainless steel counterface. Wear, 2006, 261, 443-452.	3.1	82
92	The Effects of Load and Velocity on Friction and Interface Temperature of CGRP Sliding Against Smooth Stainless Steel. , 2006, , .		1
93	Fabricating and Tensile Characteristics of Recycled Composite Materials. Journal of Applied Sciences, 2006, 6, 1380-1383.	0.3	4
94	Wear and Friction Behaviour of CGRP and WGRP Composites Subjected to Dry Sliding. , 2005, , 31.		7
95	Design consideration of low temperature differential double-acting Stirling engine for solar application. Renewable Energy, 2005, 30, 1923-1941.	8.9	37
96	On the Effect of Counterface Materials on Interface Temperature and Friction Coefficient of GFRE Composite Under Dry Sliding Contact. American Journal of Applied Sciences, 2005, 2, 1533-1540.	0.2	7
97	Correlation between Frictional Force, Interface Temperature and Specific Wear Rate of Fibre Polymer Composites. Advanced Materials Research, 0, 685, 45-49.	0.3	8