

Hilmi Amiruddin

List of Publications by Year in descending order

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papers

563
citations

759233

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46
all docs

46
docs citations

46
times ranked

467
citing authors

#	ARTICLE	IF	CITATIONS
1	Selection and verification of kenaf fibres as an alternative friction material using Weighted Decision Matrix method. <i>Materials & Design</i> , 2015, 67, 577-582.	5.1	84
2	Tribological characteristics comparison for oil palm fibre/epoxy and kenaf fibre/epoxy composites under dry sliding conditions. <i>Tribology International</i> , 2016, 101, 247-254.	5.9	67
3	Effect of hexagonal boron nitride nanoparticles as an additive on the extreme pressure properties of engine oil. <i>Industrial Lubrication and Tribology</i> , 2016, 68, 441-445.	1.3	59
4	Optimization of Tribological Performance of hBN/AL ₂ O ₃ Nanoparticles as Engine Oil Additives. <i>Procedia Engineering</i> , 2013, 68, 313-319.	1.2	47
5	Influence of contact pressure and sliding speed dependence on the tribological characteristics of an activated carbon-epoxy composite derived from palm kernel under dry sliding conditions. <i>Friction</i> , 2019, 7, 227-236.	6.4	22
6	The potential of hBN nanoparticles as friction modifier and antiwear additive in engine oil. <i>Mechanics and Industry</i> , 2016, 17, 104.	1.3	21
7	Experimental analysis of tribological performance of palm oil blended with hexagonal boron nitride nanoparticles as an environment-friendly lubricant. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 4183-4191.	3.0	21
8	The effect of sliding distance at different temperatures on the tribological properties of a palm kernel activated carbon-epoxy composite. <i>Tribology International</i> , 2016, 94, 352-359.	5.9	19
9	Lubrication mechanisms of hexagonal boron nitride nano-additives water-based lubricant for steel-steel contact. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2021, 235, 1038-1046.	1.8	18
10	3D printing parameters of acrylonitrile butadiene styrene polymer for friction and wear analysis using response surface methodology. <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , 2021, 235, 468-477.	1.8	18
11	Comparative study of the tribological behaviour of 3D-printed and moulded ABS under lubricated condition. <i>Materials Research Express</i> , 2019, 6, 085328.	1.6	16
12	A brief review on the wear mechanisms and interfaces of carbon based materials. <i>Composite Interfaces</i> , 2018, 25, 491-513.	2.3	15
13	Optimisation of graphene grown from solid waste using CVD method. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 106, 211-218.	3.0	12
14	Effect of operating parameters and chemical treatment on the tribological performance of natural fiber composites: A review. <i>Particulate Science and Technology</i> , 2017, 35, 512-524.	2.1	11
15	Materials selection for eco-aware lightweight friction material. <i>Mechanics and Industry</i> , 2014, 15, 279-285.	1.3	10
16	Frictional Behavior of Bearing Material under Gas Lubricated Conditions. <i>Procedia Engineering</i> , 2013, 68, 688-693.	1.2	9
17	Effect of hBN/Al ₂ O ₃ Nanoparticle Additives on the Tribological Performance of Engine Oil. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 66, .	0.4	9
18	Improving Engine Oil Properties by Dispersion of hBN/Al ₂ O ₃ Nanoparticles. <i>Applied Mechanics and Materials</i> , 0, 607, 70-73.	0.2	8

#	ARTICLE	IF	CITATIONS
19	The Effect of Temperature on the Tribological Properties of Palm Kernel Activated Carbon-Epoxy Composite. <i>Tribology Online</i> , 2015, 10, 428-433.	0.9	8
20	Optimization of friction properties of kenaf polymer composite as an alternative friction material. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 259-266.	1.3	8
21	Tribological performance of the graphene synthesized from fruit cover plastic waste and oil palm fiber using a CVD method. <i>Industrial Lubrication and Tribology</i> , 2020, 72, 771-777.	1.3	8
22	Frictional wear stability mechanisms of an activated carbon composite derived from palm kernel by phase transformation study. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 945-951.	1.3	7
23	Elastohydrodynamics Lubrication for Bio-based Lubricants in Elliptical Conjunction. <i>Procedia Engineering</i> , 2013, 68, 123-129.	1.2	6
24	Design Optimization of Thermal Management System for Electric Vehicle Utilizing CFD Analysis, DFMEA and CES. <i>Procedia Engineering</i> , 2013, 68, 305-312.	1.2	6
25	Effect of hydrogen on graphene growth from solid waste products by chemical vapour deposition: friction coefficient properties. <i>Industrial Lubrication and Tribology</i> , 2018, 72, 181-188.	1.3	6
26	Tribological properties of palm oil blended with zinc dioctylthiophosphate. <i>Materials Research Express</i> , 2018, 5, 085505.	1.6	6
27	Correlation of tribo-mechanical properties of internal geometry structures of fused filament fabrication 3D-printed acrylonitrile butadiene styrene. <i>Industrial Lubrication and Tribology</i> , 2020, 72, 1259-1265.	1.3	6
28	Application of Taguchi method in optimization of design parameter for turbocharger vaned diffuser. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 409-413.	1.3	5
29	The effect of dimple size on the tribological performances of a laser surface textured palm kernel activated carbon-epoxy composite. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 768-774.	1.3	5
30	Lubricant and tribological properties of zinc compound in palm oil. <i>Industrial Lubrication and Tribology</i> , 2019, 71, 1177-1185.	1.3	4
31	Measurement of roller chain wear lubricated with palm oil-based hexagonal boron nitride nanoparticles. <i>Industrial Lubrication and Tribology</i> , 2020, 72, 1199-1204.	1.3	4
32	Synergistic effect of loads and speeds on the dry sliding behaviour of fused filament fabrication 3D-printed acrylonitrile butadiene styrene pins with different internal geometries. <i>International Journal of Advanced Manufacturing Technology</i> , 2020, 108, 2525-2539.	3.0	4
33	Statistical models for predicting wear and friction coefficient of palm kernel activated carbon-epoxy composite using the ANOVA. <i>Industrial Lubrication and Tribology</i> , 2017, 69, 761-767.	1.3	3
34	Tribological effects of nano-based engine oil diluted with biodiesel fuel. <i>International Journal of Surface Science and Engineering</i> , 2017, 11, 12.	0.4	3
35	Frictional characteristics of laser surface textured activated carbon composite derived from palm kernel. <i>International Journal of Advanced Manufacturing Technology</i> , 2018, 95, 2943-2949.	3.0	2
36	Experimental Study on Friction and Wear Behaviors of Ball Bearings under Gas Lubricated Conditions. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2014, 66, .	0.4	1

#	ARTICLE	IF	CITATIONS
37	Effect of Diluted Nano-Oil on the Anti-Wear and Friction Properties. <i>Advanced Materials Research</i> , 2016, 1133, 452-456.	0.3	1
38	The tribological potential of graphene growth from solid waste. <i>Progress in Industrial Ecology</i> , 2019, 13, 401.	0.2	1
39	Friction Reduction of Palm Kernel Activated Carbon Polymer Composite by Lubricant Impregnation. <i>Tribology Online</i> , 2019, 14, 411-416.	0.9	1
40	Effect of fibre length and composition on the tribological attributes of oil palm fibre polymeric composite: organic brake friction material. <i>Industrial Lubrication and Tribology</i> , 2021, 73, 614-620.	1.3	1
41	FRICIONAL PROPERTIES OF PALM KERNEL ACTIVATED CARBON-EPOXY COMPOSITE UNDER VARIOUS NORMAL LOADS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 76, .	0.4	0
42	Experimental Investigation of Performance and Emissions of a Stratified Charge CNG Direct Injection Engine with Turbocharger. <i>MATEC Web of Conferences</i> , 2017, 124, 07004.	0.2	0
43	Investigation of the pressure ratio and efficiency of a turbocharger centrifugal compressor with a vaned diffuser. <i>World Review of Science, Technology and Sustainable Development</i> , 2018, 14, 228.	0.4	0
44	CNGDI Engine Performance Using a Vaned Diffuser Turbocharger Compressor with Varying Injection Timings. <i>Evergreen</i> , 2021, 8, 414-420.	0.5	0
45	THERMAL PERFORMANCE OF $\hat{\mu}$ PCM/MWCNT COMPOSITES AT DIFFERENT AMBIENT TEMPERATURES. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015, 77, .	0.4	0