

Oday Abdullah

List of Publications by Year in descending order

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58
papers

609
citations

687363
13
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752698
20
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59
all docs

59
docs citations

59
times ranked

250
citing authors

#	ARTICLE	IF	CITATIONS
1	Finite element analysis (FEA) of frictional contact phenomenon on vehicle braking system. Mechanics Based Design of Structures and Machines, 2022, 50, 2961-2996.	4.7	12
2	Particle formation due to brake wear, influence on the people health and measures for their reduction: a review. Environmental Science and Pollution Research, 2022, 29, 9606-9625.	5.3	13
3	Estimating Weibull Parameters Using Mabchourâ€™s Method (MMab) for Wind Power at RAWA City, Iraq. Applied System Innovation, 2022, 5, 14.	4.6	1
4	Dynamic performance of a series elastic actuator with variable stiffness logarithmic spiral spring. Intelligent Service Robotics, 2022, 15, 275-287.	2.6	1
5	Experimental investigation of transient thermal characteristics of a dry friction clutch using alternative friction materials under different operating conditions. Heat Transfer, 2022, 51, 3920-3950.	3.0	4
6	The Influence of the Braking Disc Ribs and Applied Material on the Natural Frequency. International Journal of Precision Engineering and Manufacturing, 2022, 23, 87-97.	2.2	2
7	Particles formation due to the wear of tires and measures for the wear reduction: A review. Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering, 2022, 236, 3075-3089.	1.9	3
8	Finite element analysis of class II mandibular unilateral distal extension partial dentures. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2022, 236, 9407-9418.	2.1	2
9	Extracting Four Solar Model Electrical Parameters of Mono-Crystalline Silicon (mc-Si) and Thin Film (CIGS) Solar Modules using Different Methods. Engineering Journal, 2021, 27, 16-32.	0.6	2
10	Thermal and thermoelastic problems in dry friction clutch: A comprehensive review. Heat Transfer, 2021, 50, 7855-7878.	3.0	6
11	Comparative on-grid solar systems winter performance analyses of different PV technologies in Baghdad weather. AIP Conference Proceedings, 2021, , .	0.4	1
12	Design and Optimization of Vertical Axis Wind Turbines Using QBlade. Applied System Innovation, 2021, 4, 74.	4.6	9
13	Analytical and Numerical Solutions for the Thermal Problem in a Friction Clutch System. Computation, 2021, 9, 122.	2.0	1
14	Three-Dimensional Finite Element Analysis of Contact Problem in Dry Friction Clutches. Lubricants, 2021, 9, 115.	2.9	5
15	A real-time automated sorting of robotic vision system based on the interactive design approach. International Journal on Interactive Design and Manufacturing, 2020, 14, 201-209.	2.2	21
16	The Effect of Applied Pressure Function on Thermo-elastic Problem in the Dry Friction Clutches. Journal of Failure Analysis and Prevention, 2020, 20, 2145-2152.	0.9	6
17	Effect of Sliding Speed on the Thermal Stresses of Single-Disk Friction Clutches. Journal of Failure Analysis and Prevention, 2020, 20, 1534-1540.	0.9	5
18	Effect of Sliding Speed on the Thermal Fields and Frictional Behaviours of Asbestos-free Frictional Materials Used for Dry Clutch System. IOP Conference Series: Materials Science and Engineering, 2020, 881, 012086.	0.6	3

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19	Modeling and simulation of frictional disc/pad interface considering the effects of thermo-mechanical coupling. World Journal of Engineering, 2020, 17, 761-784.	1.6	2
20	Study the Response Of The Wind Turbine System under Realistic Working Conditions Using Simulink. IOP Conference Series: Materials Science and Engineering, 2020, 928, 022048.	0.6	3
21	Numerical analysis of thermal problem in dry friction clutches based on the interactive design approach. International Journal on Interactive Design and Manufacturing, 2020, 14, 1091-1101.	2.2	8
22	Thermomechanical Model for the Analysis of Disc Brake Using the Finite Element Method in Frictional Contact. Multiscale Science and Engineering, 2020, 2, 27-41.	1.7	28
23	Temperature and thermal stresses distributions in a dry friction clutch. Journal of Theoretical and Applied Mechanics, 2020, 58, 351-360.	0.5	10
24	Pressure influence on heating of ventilating disc brakes for passenger cars. Thermal Science, 2020, 24, 203-214.	1.1	6
25	Investigation and analysis of wind turbines optimal locations and performance in Iraq. FME Transactions, 2020, 48, 155-163.	1.4	15
26	Development of automated liquid filling system based on the interactive design approach. FME Transactions, 2020, 48, 938-945.	1.4	11
27	Analysis of Wind Turbine Using QBlade Software. IOP Conference Series: Materials Science and Engineering, 2019, 518, 032020.	0.6	26
28	Design and implementation of wind energy analysis tool (WEATb) in Iraq. AIP Conference Proceedings, 2019, , , .	0.4	5
29	Modeling and theoretical analysis of a novel ratcheting-type cam-based infinitely variable transmission system. Comptes Rendus - Mecanique, 2019, 347, 891-902.	2.1	4
30	Numerical analysis of cam and follower based on the interactive design approach. International Journal on Interactive Design and Manufacturing, 2019, 13, 841-849.	2.2	9
31	Lubrication Analyses of Cam and Flat-Faced Follower. Lubricants, 2019, 7, 31.	2.9	12
32	Dynamics and lubrication analyses of scotch yoke mechanism. International Journal on Interactive Design and Manufacturing, 2019, 13, 901-907.	2.2	3
33	The distribution of frictional heat generated between the contacting surfaces of the friction clutch system. International Journal on Interactive Design and Manufacturing, 2019, 13, 487-498.	2.2	14
34	STRESS AND VIBRATION ANALYSES OF THE WIND TURBINE BLADE (A NREL 5MW). Journal of Mechanical Engineering Research and Developments (discontinued), 2019, 42, 14-19.	0.7	8
35	Steady-state and vibration analysis of a WindPACT 1.5-MW turbine blade. FME Transactions, 2019, 47, 195-201.	1.4	10
36	INDUSTRIAL TRACKING CAMERA AND PRODUCT VISION DETECTION SYSTEM. Journal of Mechanical Engineering Research and Developments (discontinued), 2019, 42, 277-280.	0.7	3

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37	The temperatures distributions of a single-disc clutches using heat partitioning and total heat generated approaches. Case Studies in Thermal Engineering, 2018, 11, 43-54.	5.7	26
38	Similarity and numerical analysis of the generalized Levêque problem to predict the thermal boundary layer. International Journal on Interactive Design and Manufacturing, 2018, 12, 1015-1025.	2.2	17
39	Heat Flux in Friction Clutch with Time Dependent Torque and Angular Velocity. , 2018, , .		5
40	Thermal stress analysis of dry friction clutches. Industrial Lubrication and Tribology, 2018, 72, 189-194.	1.3	12
41	Investigation of thermoelastic problem of multiple-disc friction clutches applying different thermal loads. Heat and Mass Transfer, 2018, 54, 3461-3471.	2.1	7
42	An investigation of dynamic behavior of the cylindrical shells under thermal effect. Case Studies in Thermal Engineering, 2018, 12, 537-545.	5.7	12
43	The influence of frictional facing thickness on the contact pressure distribution of multi-disc dry clutches. FME Transactions, 2018, 46, 33-38.	1.4	9
44	Thermoelastic Analysis of Grooved Friction Clutches Using Finite Element Method. Tribology Transactions, 2017, 60, 1011-1021.	2.0	7
45	Thermal behavior of friction clutch disc based on uniform pressure and uniform wear assumptions. Friction, 2016, 4, 228-237.	6.4	50
46	Temperature analysis of a pin-on-disc tribology test using experimental and numerical approaches. Friction, 2016, 4, 135-143.	6.4	36
47	FINITE ELEMENT ANALYSIS OF THE THERMAL BEHAVIOUR OF SINGLE-DISC CLUTCHES DURING REPEATED ENGAGEMENTS. Tribologia, 2016, 266, 9-24.	0.2	8
48	Dry Contact and Coupled Thermomechanical Analyses of Brake Disc-Pad using Finite Element Simulation. International Journal of Vehicle Structures and Systems, 2015, 6, .	0.2	1
49	Investigation of Thermo-Elastic Behavior of Multidisk Clutches. Journal of Tribology, 2015, 137, .	1.9	24
50	Structural and Contact Analysis of Disc Brake Assembly During Single Stop Braking Event. Transactions of the Indian Institute of Metals, 2015, 68, 403-410.	1.5	28
51	An Investigation of Heat Generation Due To Friction Using Finite Element Method. , 2014, , .		4
52	Design Optimization of the Rigid Drive Disc of Clutch Using Finite Element Method. , 2014, , .		1
53	An Investigation Into the Thermal Behavior of the Grooved Dry Friction Clutch. Journal of Tribology, 2014, 136, .	1.9	21
54	Computation of surface temperatures and energy dissipation in dry friction clutches for varying torque with time. International Journal of Automotive Technology, 2014, 15, 733-740.	1.4	26

#	ARTICLE	IF	CITATIONS
55	Contact Analysis of a Dry Friction Clutch System. ISRN Mechanical Engineering, 2013, 2013, 1-9.	0.9	21
56	The Effect of Disc Radius on Heat Flux and Temperature Distribution in Friction Clutches. Advanced Materials Research, 0, 505, 154-164.	0.3	10
57	Finite Element Analysis of Transient Thermoelastic Behavior in Multi-Disc Clutches. , 0, , .		5
58	A Three Dimensional Finite Element Analysis for Grooved Friction Clutches. , 0, , .		3