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List of Publications by Year
in descending order

23	353	840119 11	839053 18
papers	citations	h-index	g-index

23	23	23	216
all docs	docs citations	times ranked	citing authors

#	ARTICLE	IF	CITATIONS
1	Friction and wear measurements of friction stir processed aluminium alloy 6082/CaCO3 composite. Measurement: Journal of the International Measurement Confederation, 2019, 142, 10-20.	2.5	48
2	Development of multi-pass processed AA6082/SiCp surface composite using friction stir processing and its mechanical and tribology characterization. Surface and Coatings Technology, 2020, 394, 125900.	2.2	35
3	A review on the steels, alloys/high entropy alloys, composites and coatings used in high temperature wear applications. Materials Today: Proceedings, 2021, 43, 817-823.	0.9	31
4	Wear characteristics of electroless NiP/bio-composite coatings on En8 steel. Journal of Manufacturing Processes, 2015, 20, 206-214.	2.8	30
5	Controlling adhesive wear failure of nickel-phosphorus coating at high load condition using crab shell particle as reinforcement. Engineering Failure Analysis, 2018, 90, 310-323.	1.8	28
6	The role of calcinated sea shell particles on friction-wear behavior of electroless NiP coating: Fabrication and characterization. Surface and Coatings Technology, 2016, 304, 492-501.	2.2	27
7	Electroless nickel â€“ phosphorus coating on crab shell particles and its characterization. Journal of Solid State Chemistry, 2017, 248, 87-95.	1.4	25
8	A comprehensive review on mechanical and surface characteristics of composites reinforced with coated fibres. Surfaces and Interfaces, 2021, 27, 101449.	1.5	24
9	Combined effects of composite thermal energy storage and magnetic field to enhance productivity in solar desalination. Renewable Energy, 2022, 181, 219-234.	4.3	17
10	Comparative study on the friction-wear property of As-plated, Nd-YAG laser treated, and heat treated electroless Nickel-Phosphorus/Crab shell particle composite coatings on mild steel. Surface and Coatings Technology, 2019, 357, 543-558.	2.2	16
11	Discussion on the feasibility of using proteinized/deproteinized crab shell particles for coating applications: Synthesis and characterization. Journal of Environmental Chemical Engineering, 2016, 4, 3891-3899.	3.3	13
12	Impact of nano zinc oxide on the friction â€“ Wear property of electroless nickel-phosphorus sea shell composite coatings. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2017, 225, 160-172.	1.7	11
13	Effective role of short time furnace heat treatment and laser treatment on the residual stress and mechanical properties of NiCrBSiâ€“WC weldments produced using plasma transferred arc welding process. Journal of Materials Research and Technology, 2021, 15, 3492-3513.	2.6	10
14	Friction and wear properties of short time heat-treated and laser surface re-melted NiCr-WC composite coatings at various dry sliding conditions. Journal of Materials Research and Technology, 2022, 17, 3080-3104.	2.6	9
15	A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit. Surfaces and Interfaces, 2021, 23, 100975.	1.5	6
16	Partial dissolution of precipitated-calcium carbonate (P-CaCO₃) in electroless nickel-phosphorus (Ni-P) coating and its surface characterization. Materials Research Express, 2019, 6, 066409.	0.8	5
17	Enhancement of the hardness and wear-resistance of aluminum-silicon alloy using atmospheric plasma-sprayed ZrO₂, Al₂O₃-ZrO₂ multilayer, and Al₂O₃/ZrO₂ composite coatings. Surface Topography: Metrology and Properties, 2020, 8, 025027.	0.9	5
18	Effect of Compaction Pressure on the Physical, Mechanical, and Tribological Behavior of Compacted Crab Shell Particles Prepared Using Uniaxial Compaction Route. Journal of Materials Engineering and Performance, 2022, 31, 3493-3507.	1.2	5

#	Article	IF	Citations
19	Significance of tribolayer on the friction and wear resistance of FSPed AA6082/SiCp composite at various load conditions. Surface Topography: Metrology and Properties, 2020, 8, 025037.	0.9	3
20	Calcium hexaboride reinforced Nickel-Phosphorus composite coating for increasing the wear properties of low carbon steel. Materials Today: Proceedings, 2021, 43, 851-856.	0.9	2
21	Optimization of electroless bath process parameter for improving the tribology behavior of Ni-P/CaBr₂ composite coating against the hardened EN-31 steel. Surface Topography: Metrology and Properties, 2020, 8, 025038.	0.9	1
22	Assessment on the impact of FSP process parameters on microstructural, mechanical and wear behaviour of FSPed AA6082. Surface Topography: Metrology and Properties, 2021, 9, 015016.	0.9	1
23	Tribology Characterization of Plasma Sprayed Zirconia-Alumina and Fused Zirconia-Alumina Composite Coated Al-Si Alloy at Different Sliding Velocity and Load Conditions. Silicon, 0, , 1.	1.8	1