

Lalit Thakur

List of Publications by Year in descending order

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papers

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citations

361045

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citing authors

#	ARTICLE	IF	CITATIONS
1	ELECTROCHEMICAL CORROSION BEHAVIOR AND MICROSTRUCTURAL CHARACTERIZATION OF HVOF SPRAYED INCONEL718-Al ₂ O ₃ COMPOSITE COATINGS. Surface Review and Letters, 2022, 29, .	0.5	33
2	HIGH-TEMPERATURE OXIDATION AND EROSION RESISTANCE OF NI-BASED THERMALLY-SPRAYED COATINGS USED IN POWER GENERATION MACHINERY: A REVIEW. Surface Review and Letters, 2022, 29, .	0.5	26
3	Effect of addition of Al ₂ O ₃ on the high-temperature solid particle erosion behaviour of HVOF sprayed Inconel-718 coatings. Materials Today Communications, 2022, 30, 103017.	0.9	78
4	A study of processing and parametric optimization of wear-resistant AZ91-TiB ₂ composite fabricated by ultrasonic-assisted stir casting process. Surface Topography: Metrology and Properties, 2022, 10, 025024.	0.9	10
5	A study of tribological behaviour and optimization of WC-10Co-4Cr Cladding. Surface Engineering, 2021, 37, 70-79.	1.1	15
6	Electrochemical Corrosion Behavior and Microstructural Characterization of HVOF Sprayed Inconel-718 Coating on Gray Cast Iron. Journal of Failure Analysis and Prevention, 2021, 21, 250-260.	0.5	29
7	Microstructural characterization and electrochemical corrosion behaviour of HVOF sprayed Alloy718-nanoAl ₂ O ₃ composite coatings. Surface Topography: Metrology and Properties, 2021, 9, 035003.	0.9	44
8	Erosion behaviour of HVOF sprayed Alloy718-nano Al ₂ O ₃ composite coatings on grey cast iron at elevated temperature conditions. Surface Topography: Metrology and Properties, 2021, 9, 035022.	0.9	40
9	Influence of heat treatment on surface properties of HVOF deposited WC and Ni-based powder coatings: a review. Surface Topography: Metrology and Properties, 2021, 9, 043002.	0.9	32
10	Parameter Optimization of Rotary Ultrasonic Machining on Quartz Glass Using Response Surface Methodology (RSM). Silicon, 2020, 12, 629-643.	1.8	29
11	A study on processing and hot corrosion behaviour of HVOF sprayed Inconel718-nano Al ₂ O ₃ coatings. Materials Today Communications, 2020, 25, 101626.	0.9	61
12	Effect of argon flow rate on the weld bead characteristics of TIG coating. IOP Conference Series: Materials Science and Engineering, 2020, 804, 012016.	0.3	1
13	Performance of different coating materials against slurry erosion failure in hydrodynamic turbines: A review. Engineering Failure Analysis, 2020, 115, 104622.	1.8	56
14	An investigation on the parameter optimization and abrasive wear behaviour of nanostructured WC-10Co-4Cr TIG weld cladding. Surface and Coatings Technology, 2020, 388, 125474.	2.2	34
15	Abrasive wear behavior of WC-10Co-4Cr cladding deposited by TIG welding process. International Journal of Refractory Metals and Hard Materials, 2020, 88, 105198.	1.7	35
16	An investigation on the development and wear performance of chromium-MWCNTs transformed HVOF sprayed nano-WC-CoCr coatings. Surface and Coatings Technology, 2020, 388, 125610.	2.2	26
17	An investigation on oxidation behaviour of high velocity oxy-fuel sprayed Inconel718-Al ₂ O ₃ composite coatings. Surface and Coatings Technology, 2020, 393, 125770.	2.2	46
18	Microwave heating and its applications in surface engineering: a review. Materials Research Express, 2019, 6, 102001.	0.8	73

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19	Effect of argon flow rate and standoff distance on the microstructure and wear behaviour of WC-CoCr TIG cladding. Journal of Physics: Conference Series, 2019, 1240, 012162.	0.3	10
20	High temperature oxidation and erosion behaviour of HVOF sprayed bi-layer Alloy-718/NiCrAlY coating. Surface and Coatings Technology, 2019, 362, 366-380.	2.2	65
21	Mechanical and microstructural characterization of microwave post processed Alloy-718 coating. Materials Research Express, 2019, 6, 1265f5.	0.8	67
22	Multi-objective Optimization of Rotary Ultrasonic Machining Parameters for Quartz Glass Using Taguchi-Grey Relational Analysis (GRA). Silicon, 2019, 11, 2033-2044.	1.8	35
23	Mechanical and microstructural behaviour of wear resistant coatings on cast iron lathe machine beds and slides. Metallic Materials, 2018, 56, 55-63.	0.2	58
24	An investigation of normal and submerged condition on microstructural and tribological properties of friction stir processed AZ91-D magnesium alloy. Canadian Metallurgical Quarterly, 2017, 56, 94-103.	0.4	11
25	A Study on Micro-hardness and Tribological Behaviour of Nano-WC-CoCr/Multi-walled Carbon Nanotubes Reinforced AZ91D Magnesium Matrix Surface Composites. Transactions of the Indian Institute of Metals, 2017, 70, 2477-2483.	0.7	13
26	A study of processing and slurry erosion behaviour of multi-walled carbon nanotubes modified HVOF sprayed nano-WC-10Co-4Cr coating. Surface and Coatings Technology, 2017, 309, 860-871.	2.2	50
27	Solid Particle Erosion Behavior of WC-CoCr Nanostructured Coating. Tribology Transactions, 2013, 56, 781-788.	1.1	19
28	A comparative study on slurry and dry erosion behaviour of HVOF sprayed WC-CoCr coatings. Wear, 2013, 303, 405-411.	1.5	71
29	A study on erosive wear behavior of HVOF sprayed nanostructured WC-CoCr coatings. Journal of Mechanical Science and Technology, 2013, 27, 1461-1467.	0.7	35
30	Sliding and Abrasive Wear Behavior of WC-CoCr Coatings with Different Carbide Sizes. Journal of Materials Engineering and Performance, 2013, 22, 574-583.	1.2	49
31	An investigation on erosion behavior of HVOF sprayed WC-CoCr coatings. Applied Surface Science, 2011, 258, 1225-1234.	3.1	95
32	High Temperature Oxidation and Wear Resistant Bi-Layer Coating for Turbocharger Housing. , 0, , .		2
33	Microhardness and biological behavior of AZ91D-nHAp surface composite for bio-implants. Journal of Electrochemical Science and Engineering, 0, , .	1.6	5
34	Comparative analysis of micrometric and nano-metric WC-10Co-4Cr GTA cladding. Engineering Research Express, 0, , .	0.8	3