

Rakesh Goyal

List of Publications by Year in descending order

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papers

281
citations

1040056

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docs citations

31
times ranked

135
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of plasma-sprayed carbon nanotube (CNT)-reinforced alumina coatings on ASME-SA213-T11 boiler tube steel. International Journal of Advanced Manufacturing Technology, 2017, 92, 3225-3235.	3.0	32
2	Improving the high-temperature oxidation resistance of ASME-SA213-T11 boiler tube steel by plasma spraying with CNT-reinforced alumina coatings. Anti-Corrosion Methods and Materials, 2018, 65, 217-223.	1.5	28
3	Improving hot corrosion resistance of Cr ₃ C ₂ â€“20NiCr coatings with CNT reinforcements. Surface Engineering, 2020, 36, 1200-1209.	2.2	26
4	Comparative study of corrosion behaviour of HVOF-coated boiler steel in actual boiler environment of a thermal power plant. Journal of the Australian Ceramic Society, 2017, 53, 925-932.	1.9	25
5	An investigation of corrosion resistance of HVOF coated ASME SA213 T91 boiler steel in an actual boiler environment. Anti-Corrosion Methods and Materials, 2017, 64, 499-507.	1.5	22
6	Hot corrosion behaviour of HVOF-sprayed 93(WC-Cr ₃ C ₂)-7Ni and 83WC-17Co coatings on boiler tube steel in coal fired boiler. Australian Journal of Mechanical Engineering, 2019, 17, 127-132.	2.1	21
7	Performance of Cr₃C₂-25(Ni-20Cr) and Ni-20Cr Coatings on T91 Boiler Tube Steel in Simulated Boiler Environment at 900℃. Chemical and Materials Engineering, 2016, 4, 57-64.	0.7	18
8	Highly sensitive and reusable Cu+2/polyaniline/reduced graphene oxide nanocomposite ink-based non-enzymatic glucose sensor. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	15
9	Comparative Evaluation of Hot Corrosion Resistance of 83WCâ€“17CO and 86WCâ€“10COâ€“4Cr Coatings on Some Boiler Steels in Actual Boiler in Thermal Power Plant. Metallography, Microstructure, and Analysis, 2017, 6, 512-518.	1.0	12
10	Hot corrosion behaviour of different Cr ₃ C ₂ â€“NiCr coatings on boiler tube steel at elevated temperature. World Journal of Engineering, 2019, 16, 452-459.	1.6	11
11	Hot Corrosion Performance of Plasma-Sprayed Multiwalled Carbon Nanotubeâ€“Al ₂ O ₃ Composite Coatings in a Coal-Fired Boiler at 900Â°C. Journal of Materials Engineering and Performance, 2020, 29, 5738-5749.	2.5	11
12	Corrosion Behaviour of HVOF Sprayed Coatings on ASME SA213 T22 Boiler Steel in an Actual Boiler Environment. Advanced Engineering Forum, 0, 20, 1-9.	0.3	10
13	An Investigation on Hot Corrosion Behaviour of Cermet Coatings in Simulated Boiler Environment. Journal of Bio- and Tribo-Corrosion, 2019, 5, 1.	2.6	9
14	Improving the hot corrosion resistance of boiler tube steels by detonation gun sprayed coatings in actual boiler of thermal power plant. Anti-Corrosion Methods and Materials, 2019, 66, 394-402.	1.5	7
15	Hot Corrosion Behaviour of Different Ceramics Coatings on Boiler Tube Steel at 800Â°C Temperature. Journal of Bio- and Tribo-Corrosion, 2021, 7, 1.	2.6	7
16	Sensitive and Enzyme-Free Glucose Sensor Based on Copper Nanowires/Polyaniline/Reduced Graphene Oxide Nanocomposite Ink. International Journal of Nanoscience, 2021, 20, 2150020.	0.7	7
17	Analysis of proposed hybrid amplifier model for single to multi-channel WDM optical system at 10ÂGbp/s with 100ÂGHz of channel spacing. International Journal of Information Technology (Singapore), 2017, 9, 267-271.	2.7	5
18	PERFORMANCE OF Ni3Al AND TiO2 COATINGS ON T22 BOILER TUBE STEEL IN SIMULATED BOILER ENVIRONMENT IN LABORATORY. Journal of the Institution of Engineers, Bangladesh, 2017, 46, 54-61.	0.5	5

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19	Effect of TiO ₂ on Plasma Sprayed Al ₂ O ₃ Based Composite Coatings at 900°C in Molten Salt Environment. Universal Journal of Mechanical Engineering, 2019, 7, 247-254.	0.6	4
20	A novel design of energy efficient bidirectional passive optical green networks using reduced buffer with small packet size technique. Microwave and Optical Technology Letters, 2020, 62, 3359-3362.	1.4	2
21	Study of corrosion behaviour of Al ₂ O ₃ -13 % TiO ₂ and Cr ₂ O ₃ coated ship hull steel in 3.5% NaCl solution. Journal of Physics: Conference Series, 2021, 1969, 012021.	0.4	1
22	Evaluations of Hot Corrosion Behavior of Al ₂ O ₃ Thermal Spray Coatings with ZrO ₂ Reinforcements on T-91 Steel. Universal Journal of Mechanical Engineering, 2019, 7, 224-230.	0.6	1
23	Analysis of Performance Enhancement of Composite Specimen of Wood and PLA prepared through the Computer Controlled FDM Technique. , 2021, , .		1
24	Performance Analysis of Computer Controlled Thermal Spraying on Hot Corrosion Control of Boiler Tube Steels. , 2021, , .		1
25	Experimental Analysis of Hot Corrosion Behaviour of some Composite Coatings on Boiler Steel at Elevated Temperature. Advanced Engineering Forum, 0, 41, 43-54.	0.3	0
26	Performance Evaluation of Single Point Turning Tool using Condition Monitoring and NI-DAQ. , 2021, , .		0
27	Electro-Mechanical Performance Analysis of Force and Stress in Automotive Connecting Rod. , 2021, , .		0
28	Analysis of Various Machining Parameters for Computer Controlled Ultrasonic and Rotary Machining Process. , 2021, , .		0
29	Experimental Performance Analysis of The Effect of Nano Particles on Computer Controlled Infusion Type MQL Grinding Process. , 2021, , .		0
30	Electro-Mechanical Performance Analysis of Mechanical Properties of 42crmo Steel Treated with Traditional & Ept Method. , 2021, , .		0
31	Hot corrosion analysis of plasma spray coated T22 boiler steel in an industrial environment. AIP Conference Proceedings, 2022, , .	0.4	0