

Anil Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

535
citations

567281

15
h-index

677142

22
g-index

27
all docs

27
docs citations

27
times ranked

341
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of geopolymers concrete strength from ultrasonic pulse velocity (UPV) using high power pulser. Journal of Building Engineering, 2018, 16, 39-44.	3.4	76
2	Fe-based amorphous/nanocrystalline composite coating by plasma spraying: Effect of heat input on morphology, phase evolution and mechanical properties. Journal of Alloys and Compounds, 2019, 771, 827-837.	5.5	59
3	Optimization of mechanical and corrosion properties of plasma sprayed low-chromium containing Fe-based amorphous/nanocrystalline composite coating. Surface and Coatings Technology, 2019, 370, 255-268.	4.8	47
4	Microstructure and corrosion behavior of Fe-based amorphous composite coatings developed by atmospheric plasma spraying. Journal of Alloys and Compounds, 2019, 796, 47-54.	5.5	38
5	Investigation of nano- and micro-scale structural evolution and resulting corrosion resistance in plasma sprayed Fe-based (Fe-Cr-B-C-P) amorphous coatings. Surface and Coatings Technology, 2020, 397, 126058.	4.8	37
6	Multi-scale mechanical properties of Fe-based amorphous/nanocrystalline composite coating synthesized by HVOF spraying. Journal of Alloys and Compounds, 2020, 825, 154120.	5.5	36
7	Development of Macroporous Silicone Rubber for Acoustic Applications. Industrial & Engineering Chemistry Research, 2016, 55, 8751-8760.	3.7	29
8	Mechanistic insight into the role of amorphicity and porosity on determining the corrosion mitigation behavior of Fe-based amorphous/nanocrystalline coating. Journal of Alloys and Compounds, 2020, 849, 156624.	5.5	27
9			

#	ARTICLE	IF	CITATIONS
19	Comparative Behaviour of Nitrite and Nitrate for the Protection of Rebar Corrosion. Journal of the Institution of Engineers (India): Series D, 2017, 98, 177-187.	1.0	6
20	Effect of sodium molybdate and sodium tungstate in concrete rebar corrosion. Anti-Corrosion Methods and Materials, 2019, 66, 253-263.	1.5	6
21	Mechanical and corrosion properties of plasma-sprayed Fe-based amorphous/nanocrystalline composite coating. Advances in Materials and Processing Technologies, 2019, 5, 371-377.	1.4	5
22	Alteration in hydrogen absorption by and hydrogen permeation through a high-strength low-alloy steel due to plasma source ion implantation of nitrogen. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2004, 35, 1123-1128.	2.1	3
23	Prediction of compressive strength of geopolymers using central composite design. Materials Today: Proceedings, 2021, 45, 4483-4489.	1.8	1
24	Factors influencing the extent of hydrogen-enhanced brittle cracking in a Cu-strengthened HSLA steel during monotonic loading. International Journal of Materials Research, 2003, 94, 1228-1233.	0.8	1
25	Introduction of Inhibitors, Mechanism and Application for Protection of Steel Reinforcement Corrosion in Concrete. , 2020, , .		0
26	Corrosion Behavior of Fe-Based Amorphous/Nanocrystalline Composite Coating: Correlating the Influence of Porosity and Amorphicity. , 2021, 6, .		0