Zhengchun Qian

List of Publications by Year
in descending order

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18	161	1307594 7	1125743 13
papers	citations	h-index	g-index

19	19	19	100
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Characterizing the magnetic memory signals on the surface of plasma transferred arc cladding coating under fatigue loads. Journal of Magnetism and Magnetic Materials, 2017, 443, 281-286.	2.3	31
2	Magnetic memory signals variation induced by applied magnetic field and static tensile stress in ferromagnetic steel. Journal of Magnetism and Magnetic Materials, 2016, 416, 213-219.	2.3	27
3	Effect of Temperature and Stress on Residual Magnetic Signals in Ferromagnetic Structural Steel. IEEE Transactions on Magnetics, 2017, 53, 1-8.	2.1	21
4	Magnetic memory signals of ferromagnetic weldment induced by dynamic bending load. Nondestructive Testing and Evaluation, 2017, 32, 166-184.	2.1	20
5	Remanufacturing of recycled carbon fiber-reinforced composites based on fused deposition modeling processes. International Journal of Advanced Manufacturing Technology, 2021, 116, 1609-1619.	3.0	12
6	Recent advances in magnetic non-destructive testing and the application of this technique to remanufacturing. Insight: Non-Destructive Testing and Condition Monitoring, 2018, 60, 451-462.	0.6	12
7	Coupling fatigue cohesive zone and magnetomechanical model for crack detection in coating interface. NDT and E International, 2019, 105, 25-34.	3.7	10
8	Effect of Hard Particles on Magnetic Barkhausen Noise in Metal Matrix Composite Coatings: Modeling and Application in Hardness Evaluation. IEEE Transactions on Magnetics, 2022, 58, 1-12.	2.1	6
9	Characterization of spontaneous magnetic signals for residual stress in plasma transferred arc welding process. Welding in the World, Le Soudage Dans Le Monde, 2019, 63, 201-210.	2.5	5
10	Review on Metal Magnetic Memory Detection Technology in Remanufacturing and Case Study in Engineering. Jixie Gongcheng Xuebao/Chinese Journal of Mechanical Engineering, 2018, 54, 235.	0.5	5
11	Magnetic Evaluation on Disassembly Damage of an Interference Fit Joint. Journal of Nondestructive Evaluation, 2020, 39, 1.	2.4	4
12	Magnetomechanical model for coating/substrate interface and its application in interfacial crack propagation length characterization. Journal of Applied Physics, 2018, 124, .	2.5	3
13	Monitoring of Crack Initiation at Coating/Substrate Interface by Residual Magnetic Field Measurement. Journal of Nondestructive Evaluation, 2021, 40, 1.	2.4	3
14	Evaluation of the Ferromagnetic Cold-Sprayed Coating Peeling Process at the Interface Based on Magnetic Barkhausen Noise Testing. Journal of Materials Engineering and Performance, 0, , 1.	2.5	1
15	A prototype method to evaluate the inner wall defects of ferromagnetic materials based on a two-stage magnetic combined detection. Journal of Magnetism and Magnetic Materials, 2022, 560, 169564.	2.3	1
16	State of the Art of the MMM Technique. , 2021, , 25-36.		0
17	Detection and Evaluation of Coating Interface Damage. , 2021, , 181-201.		0
18	Detection of Damage in Remanufactured Coating. , 2021, , 169-179.		0