

Seyed Ebrahim Vahdat

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2450772/publications.pdf>

Version: 2024-02-01

35
papers

272
citations

1307594

7
h-index

996975

15
g-index

35
all docs

35
docs citations

35
times ranked

218
citing authors

#	ARTICLE	IF	CITATIONS
1	Welding process selection for repairing nodular cast iron engine block by integrated fuzzy data envelopment analysis and TOPSIS approaches. <i>Materials & Design</i> , 2013, 43, 272-282.	5.1	68
2	Microstructure and tensile properties of 45WCrV7 tool steel after deep cryogenic treatment. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 585, 444-454.	5.6	37
3	A fuzzy multi-attribute approach to select the welding process at high pressure vessel manufacturing. <i>Journal of Manufacturing Processes</i> , 2012, 14, 250-256.	5.9	32
4	Study of effects of deep cryotreatment on mechanical properties of 1.2542 tool steel. <i>Materials & Design</i> , 2012, 42, 279-288.	5.1	21
5	Effect of microstructure parameters on tensile toughness of tool steel after deep cryogenic treatment. <i>International Journal of Precision Engineering and Manufacturing</i> , 2014, 15, 497-502.	2.2	17
6	Microstructure and Tensile Toughness Correlation of 1.2542 Tool Steel after Deep Cryogenic Treatment. , 2014, 6, 202-207.		12
7	Tin-Copper-Lead Alloy Produced by Horizontal Centrifugal Casting. <i>Archives of Foundry Engineering</i> , 2016, 16, 131-137.	0.4	11
8	Effect of deep cryogenic processing on tensile toughness of 45WCrV7 steel. <i>International Journal of Steel Structures</i> , 2014, 14, 571-578.	1.3	8
9	Study of Effects of Temperature and Pressure in HIP Process on Mechanical Properties of Nickel-based Superalloys. <i>Materials Today: Proceedings</i> , 2017, 4, 152-156.	1.8	8
10	Effect of Interface Strength of M 23 C 6 in Steel Matrix on Tensile Toughness and Strength. , 2014, 6, 208-215.		7
11	Characterization of Al-Al ₂ Cu functionally graded material produced by using horizontal centrifugal casting. <i>Multidiscipline Modeling in Materials and Structures</i> , 2018, 14, 647-662.	1.3	7
12	Effect of Heat Treatment on the Characterizations of Functionally Graded Al/Al ₂ Cu Fabricated by Horizontal Centrifugal Casting. <i>International Journal of Metalcasting</i> , 2020, 14, 962-976.	1.9	7
13	Fatigue Scatter of 1.2542 Tool Steel after Deep Cryogenic Treatment. <i>Materials Today: Proceedings</i> , 2015, 2, 1210-1215.	1.8	5
14	Microstructure Study of Diffusion Bonding of Centrifuged Structural Steel-Bronze. <i>Archives of Foundry Engineering</i> , 2016, 16, 99-104.	0.4	4
15	Mechanical Properties of Al 25 wt.% Cu Functionally Graded Material. <i>Science and Engineering of Composite Materials</i> , 2019, 26, 327-337.	1.4	4
16	Repair of Structural Steel Surface Groove by Using Flame Welding Method by Spraying Pure Iron Powder. <i>Archives of Foundry Engineering</i> , 2016, 16, 167-171.	0.4	4
17	Optimization of Tensile Properties of AISI S1 Tool Steel. <i>Transactions of the Indian Institute of Metals</i> , 2015, 68, 777-781.	1.5	3
18	Effect of sub-zero treatment on fatigue strength of aluminum 2024. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2018, 710, 38-46.	5.6	3

#	ARTICLE	IF	CITATIONS
19	Optimization of Bone Implant Selection with Price Analysis. International Journal of Advanced Materials Manufacturing and Characterization, 2013, 3, 37-46.	0.2	3
20	Air Pollution Monitoring Using Fuzzy Logic in Industries. , 0, , .		2
21	Mechanism of Precipitation of Carbides during Deep Cryogenic Processing in 1.2542 Tool Steel. Materials Today: Proceedings, 2015, 2, 1859-1867.	1.8	2
22	Integrity assessment of functionally graded pipe produced by centrifugal casting subjected to internal pressure: experimental investigation. Archive of Applied Mechanics, 2020, 90, 1723-1736.	2.2	2
23	Design of metal matrix composite with particle reinforcement produced by deep cryogenic treatment. IOP Conference Series: Materials Science and Engineering, 2015, 87, 012003.	0.6	1
24	Effect of Microstructure Parameters on Hardness of SnCu4Pb3 produced by Horizontal Centrifugal Casting. Materials Today: Proceedings, 2015, 2, 1373-1380.	1.8	1
25	Repairing the surface grooves of St37 structural steel using flame spray welding. International Journal of Precision Engineering and Manufacturing, 2017, 18, 1873-1879.	2.2	1
26	Effect of Heat Treatment on the Properties of AlCu26Si8. International Journal of Cast Metals Research, 2019, 32, 278-288.	1.0	1
27	Repair of Structural Steel Surface Groove by Using Diffusion Welding of Pure Iron Powder. Archives of Foundry Engineering, 2016, 16, 105-110.	0.4	1
28	XRD, STEM, and Tensile Properties of AISI S1 Tool Steel after Deep Cryogenic Treatment. Advanced Materials Research, 2015, 1088, 195-199.	0.3	0
29	Determining Impact of Crack Width on the Repairing of Crack on the Surface of Carbon Steel by Welding Methods. Materials Today: Proceedings, 2017, 4, 991-996.	1.8	0
30	Strength of the Bond of Structural Steel S235JR to Bronze SAE660 Produced by Casting in Pre-Mold. Archives of Foundry Engineering, 2017, 17, 149-154.	0.4	0
31	Effect of pressure and deep cryotreatment on strength of diffusion bonds of St37 and 1.2542 dissimilar steels. Welding in the World, Le Soudage Dans Le Monde, 2018, 62, 847-854.	2.5	0
32	Effect of Pressure and DCT on Microstructure and Strength of Diffusion Bonds of PLCS-HSLAS. International Journal of Precision Engineering and Manufacturing, 2018, 19, 1411-1417.	2.2	0
33	Investigation of fatigue behavior of centrifuged series 3000 Al with addition of 26 wt% Cu. Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications, 2020, 234, 1375-1385.	1.1	0
34	Design of Metal Matrix Composite with Particle Reinforcement. Advances in Materials, 2015, 4, 9.	1.0	0
35	Management of Pollutants in Industries: A Case Study. Journal of Investment and Management, 2015, 4, 113.	0.3	0