

Balakrishnan Marimuthu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4967633/publications.pdf>

Version: 2024-02-01

17
papers

192
citations

1163117

8
h-index

1058476

14
g-index

17
all docs

17
docs citations

17
times ranked

111
citing authors

#	ARTICLE	IF	CITATIONS
1	Optimization of WEDM Process Parameters in Al ₂ O ₃ -Li-Si ₃ N ₄ MMC. Journal of Nanomaterials, 2022, 2022, 1-12.	2.7	4
2	Parametric Optimization of Wire Electrical Discharge Machining in AA7075 Metal Matrix Composite. Advances in Materials Science and Engineering, 2022, 2022, 1-8.	1.8	3
3	Manufacturing of Al-Li-Si ₃ N ₄ metal matrix composite for weight reduction. Materialpruefung/Materials Testing, 2021, 63, 169-175.	2.2	6
4	Dry Sliding Wear Behavior of Aluminum Metal Matrix Composite Reinforced with Lithium and Silicon Nitride. Silicon, 2020, , 1.	3.3	3
5	Microstructural Analysis on Ballistic Tested Armour Steel Joints Fabricated Using Low Hydrogen Ferritic Consumables for Capping Pass. Key Engineering Materials, 2019, 812, 1-8.	0.4	1
6	Tensile properties of friction welded AISI 4340 joints. Materialpruefung/Materials Testing, 2017, 59, 22-28.	2.2	2
7	Evaluation of Zero and Sub-zero Temperature Tensile and Impact Properties of Quenched and Tempered Steel Weldments. Journal of Iron and Steel Research International, 2016, 23, 1177-1187.	2.8	0
8	Effect of joint design on ballistic performance of quenched and tempered steel welded joints. Materials & Design, 2014, 54, 616-623.	5.1	14
9	Microstructural Analysis of Ballistic Tests on Welded Armor Steel Joints. Metallography, Microstructure, and Analysis, 2013, 2, 125-139.	1.0	19
10	Effect of Capping Front Layer Materials on the Penetration Resistance of Q&T Steel Welded Joints Against 7.62-mm Armor-Piercing Projectile. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 4218-4229.	2.2	5
11	Effect of Hardfaced Interlayer Thickness and Low Hydrogen Ferritic Capping on Ballistic Performance of Shielded Metal Arc Welded Armour Steel Joints. Journal of Iron and Steel Research International, 2013, 20, 82-91.	2.8	11
12	Effect of Hardfacing Consumables on Ballistic Performance of Q&T Steel Joints. Defence Technology, 2013, 9, 249-258.	4.2	13
13	Effect of PTA Hardfaced Interlayer Thickness on Ballistic Performance of Shielded Metal Arc Welded Armor Steel Welds. Journal of Materials Engineering and Performance, 2013, 22, 806-814.	2.5	10
14	Effect of hardfaced interlayer thickness on ballistic performance of armour steel welds. Materials & Design, 2013, 44, 59-68.	5.1	24
15	Effect of buttering and hardfacing on ballistic performance of shielded metal arc welded armour steel joints. Materials & Design, 2011, 32, 469-479.	5.1	39
16	Effect of welding processes on joint characteristics of Ti-6Al-4V alloy. Science and Technology of Welding and Joining, 2011, 16, 702-708.	3.1	34
17	Statistical Approach on High Temperature Dry Sliding Wear Behavior of Al-Li-Si ₃ N ₄ Metal Matrix Composite. Silicon, 0, , 1.	3.3	4