Balakrishnan Marimuthu

List of Publications by Year
in descending order

17	192	1163117 8	1058476 14
papers	citations	h-index	g-index

17	17	17	111
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Effect of welding processes on joint characteristics of Tiâ€“6Alâ€“4V alloy. Science and Technology of Welding and Joining, 2011, 16, 702-708.	3.1	34
3	Effect of hardfaced interlayer thickness on ballistic performance of armour steel welds. Materials & Design, 2013, 44, 59-68.	5.1	24
4	Microstructural Analysis of Ballistic Tests on Welded Armor Steel Joints. Metallography, Microstructure, and Analysis, 2013, 2, 125-139.	1.0	19
5	Effect of joint design on ballistic performance of quenched and tempered steel welded joints. Materials & Design, 2014, 54, 616-623.	5.1	14
6	Effect of Hardfacing Consumables on Ballistic Performance of Q&T Steel Joints. Defence Technology, 2013, 9, 249-258.	4.2	13
7	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
8	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
9	Manufacturing of Al-Li-Si3N4 metal matrix composite for weight reduction. Materialpruefung/Materials Testing, 2021, 63, 169-175.	2.2	6
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	Statistical Approach on High Temperature Dry Sliding Wear Behavior of Al-Li-Si3N4 Metal Matrix Composite. Silicon, 0, , 1.	3.3	4
12	Optimization of WEDM Process Parameters in Al2024-Li-Si3N4 MMC. Journal of Nanomaterials, 2022, 2022, 1-12.	2.7	4
13	Dry Sliding Wear Behavior of Aluminum Metal Matrix Composite Reinforced with Lithium and Silicon Nitride. Silicon, 2020, , 1.	3.3	3
14	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
15	Tensile properties of friction welded AISI 4340 joints. Materialpruefung/Materials Testing, 2017, 59, 22-28.	2.2	2
16	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
17	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