

Angshuman Kapil

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

281
citations

1307594

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1199594

12
g-index

15
all docs

15
docs citations

15
times ranked

199
citing authors

#	ARTICLE	IF	CITATIONS
1	Digitization of welding processes. , 2022, , 483-512.		0
2	Design strategies for bi-metallic additive manufacturing in the context of wire and arc directed energy deposition. Materials and Design, 2022, 215, 110496.	7.0	6
3	Unveiling Liquation and Segregation Induced Failure Mechanism in Thick Dissimilar Aluminum Alloy Electron-Beam Welds. Metals, 2022, 12, 486.	2.3	3
4	Towards hybrid laser-arc based directed energy deposition: Understanding bead formation through mathematical modeling for additive manufacturing. Journal of Manufacturing Processes, 2022, 76, 457-474.	5.9	10
5	Microstructure and Fracture Toughness of an Aluminum-Steel Impact Weld and Effect of Thermal Exposure. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2021, 52, 2795.	2.2	2
6	Joining aluminum alloy to ultrahigh-strength boron steel through an impact welding approach. Manufacturing Letters, 2020, 25, 30-33.	2.2	6
7	A new approach for dissimilar aluminum-steel impact spot welding using vaporizing foil actuators. Journal of Manufacturing Processes, 2020, 58, 279-288.	5.9	10
8	Spot impact welding of an age-hardening aluminum alloy: Process, structure and properties. Journal of Manufacturing Processes, 2019, 37, 42-52.	5.9	12
9	Benchmarking strength and fatigue properties of spot impact welds. Journal of Materials Processing Technology, 2018, 255, 219-233.	6.3	31
10	On processâ€“structureâ€“property interconnection in anti-phase synchronised twin-wire GMAW of low carbon steel. Science and Technology of Welding and Joining, 2016, 21, 452-459.	3.1	20
11	Integrated model for assessment of electromagnetic force field due to arc welding. Science and Technology of Welding and Joining, 2015, 20, 563-570.	3.1	7
12	Magnetic pulse welding: an efficient and environmentally friendly multi-material joining technique. Journal of Cleaner Production, 2015, 100, 35-58.	9.3	167
13	Enabling Dissimilar Joining of Coated Steels to Aluminum through Impact Spot Welding. SAE International Journal of Materials and Manufacturing, 0, 14, .	0.3	2
14	Process-Structure-Property Relationship in Dissimilar Al-High-Strength Steel Impact Spot Welds Created Using Vaporizing Foil Actuator Welding. SAE International Journal of Materials and Manufacturing, 0, 14, .	0.3	2