

# Dulal Chandra Saha

## List of Publications by Year in descending order

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Version: 2024-02-01

20  
papers

607  
citations

840776

11  
h-index

794594

19  
g-index

20  
all docs

20  
docs citations

20  
times ranked

460  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Phase Variation-Based Smart Structure for Crack Detection on Metals Using Cold Spray Additive Manufacturing. IEEE Transactions on Instrumentation and Measurement, 2023, 72, 1-10.	4.7	2
2	On the Measurability and Predictability of HAZ Softening in GMAW of Automotive DP980 Steel. Metals, 2022, 12, 1009.	2.3	0
3	Study the effect of milling parameters on HE-MA nanostructured Al6061-graphene cermet feedstock particles. Journal of Alloys and Compounds, 2021, 859, 157759.	5.5	3
4	Martensite tempering kinetics: Effects of dislocation density and heating rates. Materials Characterization, 2020, 168, 110564.	4.4	21
5	Evolution of Transient Nature Nanoscale Softening During Martensite Tempering. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2020, 51, 3772-3777.	2.2	4
6	Influences of blocky retained austenite on the heat-affected zone softening of dual-phase steels. Materials Letters, 2020, 264, 127368.	2.6	8
7	Heat input, intermetallic compounds and mechanical properties of Al/steel cold metal transfer joints. Journal of Materials Processing Technology, 2019, 272, 40-46.	6.3	58
8	Concurrent photocatalytic degradation of organic contaminants and photocathodic protection of steel Ag-TiO <sub>2</sub> composites. Materialia, 2018, 3, 212-217.	2.7	4
9	Tensile and Fatigue Properties of Single and Multiple Dissimilar Welded Joints of DP980 and HSLA. Journal of Materials Engineering and Performance, 2017, 26, 783-791.	2.5	10
10	Microstructure and mechanical properties of fibre laser welded medium manganese TRIP steel. Materials and Design, 2017, 131, 450-459.	7.0	69
11	Effects of tempering mode on the structural changes of martensite. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2016, 673, 467-475.	5.6	76
12	Fusion zone microstructure evolution of fiber laser welded press-hardened steels. Scripta Materialia, 2016, 121, 18-22.	5.2	63
13	Coating behaviour and nugget formation during resistance welding of hot forming steels. Science and Technology of Welding and Joining, 2015, 20, 708-720.	3.1	28
14	Heat-affected zone liquation crack on resistance spot welded TWIP steels. Materials Characterization, 2014, 93, 40-51.	4.4	53
15	Microstructure-properties correlation in fiber laser welding of dual-phase and HSLA steels. Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing, 2014, 607, 445-453.	5.6	79
16	Mechanism of Secondary Hardening in Rapid Tempering of Dual-Phase Steel. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 6153-6162.	2.2	22
17	Metallographic and fracture characteristics of resistance spot welded TWIP steels. Science and Technology of Welding and Joining, 2013, 18, 711-720.	3.1	49
18	Weldability Evaluation and Microstructure Analysis of Resistance Spot Welded High-Mn Steel in Automotive Application. Steel Research International, 2012, 83, 352-357.	1.8	52

#	ARTICLE	IF	CITATIONS
19	A Review on Al-Al/Al-Steel Resistance Spot Welding Technologies for Light Weight Vehicles. Journal of Welding and Joining, 2011, 29, 35-40.	1.3	5
20	Evaluation of Failure Mode and Strength on Baking Time of Adhesive for Hybrid Joining. Journal of Welding and Joining, 2011, 29, 49-55.	0.3	1