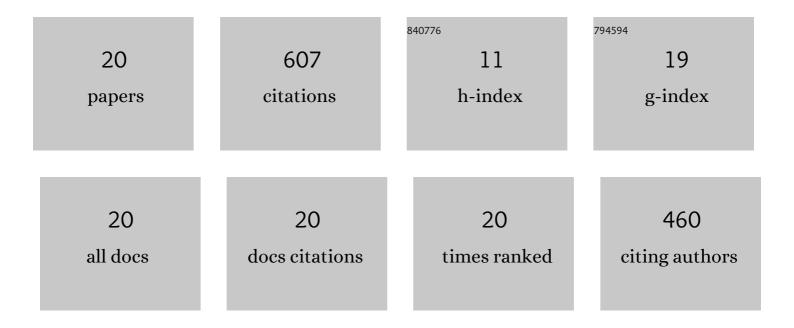
## Dulal Chandra Saha

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/2805122/publications.pdf Version: 2024-02-01



#	Article	IF	CITATIONS
1	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
2	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
3	Microstructure and mechanical properties of fibre laser welded medium manganese TRIP steel. Materials and Design, 2017, 131, 450-459.	7.0	69
4	Fusion zone microstructure evolution of fiber laser welded press-hardened steels. Scripta Materialia, 2016, 121, 18-22.	5.2	63
5	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
6	Heat-affected zone liquation crack on resistance spot welded TWIP steels. Materials Characterization, 2014, 93, 40-51.	4.4	53
7	Weldability Evaluation and Microstructure Analysis of Resistanceâ€Spotâ€Welded Highâ€Mn Steel in Automotive Application. Steel Research International, 2012, 83, 352-357.	1.8	52
8	Metallographic and fracture characteristics of resistance spot welded TWIP steels. Science and Technology of Welding and Joining, 2013, 18, 711-720.	3.1	49
9	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
10	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
11	Martensite tempering kinetics: Effects of dislocation density and heating rates. Materials Characterization, 2020, 168, 110564.	4.4	21
12	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
13	Influences of blocky retained austenite on the heat-affected zone softening of dual-phase steels. Materials Letters, 2020, 264, 127368.	2.6	8
14	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
15	Concurrent photocatalytic degradation of organic contaminants and photocathodic protection of steel Ag–TiO2 composites. Materialia, 2018, 3, 212-217.	2.7	4
16	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
17	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
18	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

#	Article	IF	CITATIONS
19	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
20	On the Measurability and Predictability of HAZ Softening in GMAW of Automotive DP980 Steel. Metals, 2022, 12, 1009.	2.3	0