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- Univ Nottingham UK
- Univ Nottingham Malaysia Campus

Publication Metrics

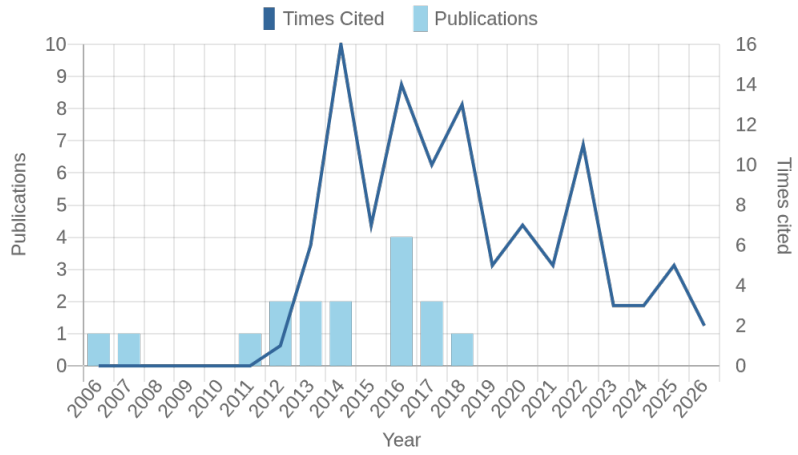
For manuscripts published from date range November 2011 - November 2026

5	90
H-index	Sum of Times Cited
15	13
Total Publications	Web of Science Core Collection Publications

For all time

6	108
H-index	Sum of Times Cited
37	16
Total Publications	Web of Science Core Collection Publications

Publication Impact Over Time



Publishing Summary

For manuscripts published from date range November 2011 - November 2026

(4) The International Journal of Adva...	(2) Journal of Mechanical Engineerin...
(1) Journal of the Brazilian Society o...	(1) Journal of Central South Universi...
(1) Proceedings of the Institution of ...	(1) Journal of Engineering Science a...
(1) International Journal of Automoti...	(1) Journal of Failure Analysis and Pr...
(1) Sādhanā	(1) International Journal of Advance...
(1) Welding Journal	

Publications

For manuscripts published from date range November 2011 - November 2026 (15)	Times Cited (All time)
Converting the pneumatic- to servo-based system in resistance spot welding: analyzing the dissimilar weld joints for two welding schemes Authors (1): Charde, Nachimani Published: Mar 2018 in Journal of the Brazilian Society of Mechanical Sciences and Engineering DOI: 10.1007/S40430-018-1102-Z Accession Number: WOS:000430239300017	0
Forging force in resistance spot welding: analyzing the electrically generated forging force for two different electrode actuations Published: 2017 in The International Journal of Advanced Manufacturing Technology DOI: 10.1007/S00170-016-9352-3 Accession Number: WOS:000398997800019	2
Techniques for the improvement of carbon steels welds: under the SISF and DIDF welding schemes using pneumatic- and servo-based electrode actuating systems in resistance spot welding	2

Published: 2017 in The International Journal of Advanced Manufacturing Technology
DOI: 10.1007/S00170-016-9232-X
Accession Number: WOS:000398922700051

Converting the pneumatic to servo-based system in resistance spot welding: Analyzing the electrode caps deformation Authors (1): Charde, Nachimani Published: Sep 2016 in Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture DOI: 10.1177/0954405415611365 Accession Number: WOS:000382976700017	1
Interpreting the weld formations using acoustic emission for the carbon steels and stainless steels welds in servo-based resistance spot welding Authors (3): Charde, Nachimani; Ahmad, Roslina; Abidin, Nor Ishida Zainal Published: Sep 2016 in The International Journal of Advanced Manufacturing Technology DOI: 10.1007/S00170-015-8131-X Accession Number: WOS:000382174400001	6
Postcrack Propagation of Tensile Shear Test: Analyzing the Carbon Steel Welds, Stainless Steel Welds, and Both Steels Mixed Welds in Resistance Spot Welding Published: 2016 in Journal of Failure Analysis and Prevention DOI: 10.1007/S11668-016-0153-7 Accession Number: WOS:000384564600012	0
Performance analysis of a pneumatic to servo converted system for electrode actuation in resistance spot welding using 304L austenitic stainless steel Published: 2016 in Journal of Central South University DOI: 10.1007/S11771-016-3218-6 Accession Number: WOS:000379980900013	0
Exploring the electrodes alignment and mushrooming effects on weld geometry of dissimilar steels during the spot welding process Authors (1): Charde, Nachimani Published: Dec 2014 in Sādhanā DOI: 10.1007/S12046-014-0290-1 Accession Number: WOS:000348004400016	5
Material characterizations of mild steels, stainless steels, and both steel mixed joints under resistance spot welding (2-mm sheets) Authors (3): Charde, Nachimani; Yusof, Farazila; Rajkumar, Rajprasad Published: Oct 2014 in The International Journal of Advanced Manufacturing Technology DOI: 10.1007/S00170-014-6158-Z Accession Number: WOS:000343722400031	24
An Experimental Investigation on Spot Weld Growth on Dissimilar Joints of 304L Austenitic Stainless Steel and Medium Carbon Steel (Part 1) Published: Mar 2013 in International Journal of Advances in Applied Sciences	Not indexed in the Web of Science

DOI: 10.11591/IJAAS.V2I1.1315

INVESTIGATION SPOT WELD GROWTH ON 304 AUSTENITIC STAINLESS STEEL (28 MM) SHEETS
Published: 2013 in Journal of Engineering Science and Technology
Accession Number: WOS:000214288100007

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MICROSTRUCTURE AND FATIGUE PROPERTIES OF DISSIMILAR SPOT WELDED JOINTS OF AISI 304 AND AISI 1008
Published: 2013 in International Journal of Automotive and Mechanical Engineering
DOI: 10.15282/IJAME.7.2012.7.0072
Accession Number: WOS:000434539900007

22

CHARACTERISATION OF SPOT WELD GROWTH ON DISSIMILAR JOINTS WITH DIFFERENT THICKNESSES
Published: 2012 in Journal of Mechanical Engineering and Sciences
DOI: 10.15282/JMES.2.2012.4.0015
Accession Number: WOS:000415496100004

12

EFFECTS OF ELECTRODE DEFORMATION OF RESISTANCE SPOT WELDING ON 304 AUSTENITIC STAINLESS STEEL WELD GEOMETRY
Published: 2012 in Journal of Mechanical Engineering and Sciences
DOI: 10.15282/JMES.3.2012.2.0024
Accession Number: WOS:000415497100002

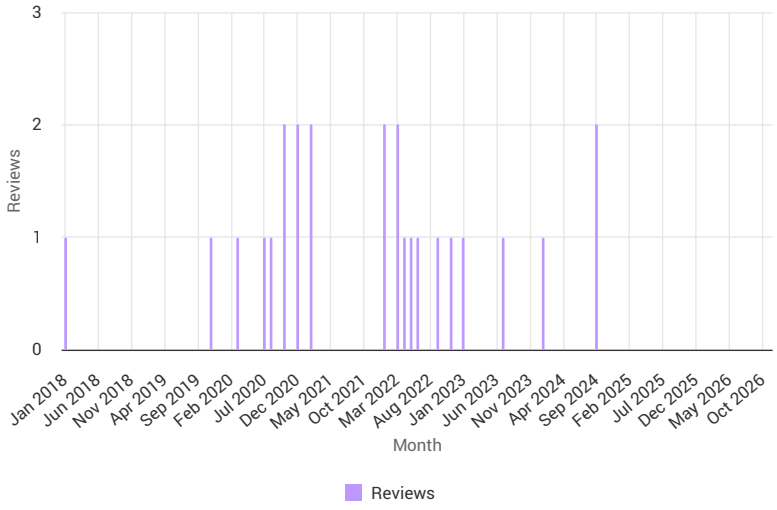
11

Analysis of spot weld growth on mild and stainless steel: Nugget growth by varying current and weld time was analyzed in joining mild steel, austenitic stainless steel, and dissimilar steels
Authors (2): Aravinthan, A.; Nachimani, C.
Published: 2011 in Welding Journal

Not indexed in the Web of Science

Verified Reviews

Review Summary



Reviewer Summary

For manuscripts reviewed from date range November 2011 - November 2026

(6) Proceedings of the Institution of …	(3) Engineering Research Express
(3) IEEE Access	(2) Proceedings of the Institution of …
(2) Proceedings of the Institution of …	(2) Research in Nondestructive Eval…
(2) Welding International	(2) Proceedings of the Institution of …
(1) Matéria (Rio de Janeiro)	(1) Materials Research Express
(1) Science China Technological Scie…	

25 REVIEWS OF 20 MANUSCRIPTS

For manuscripts published from date range November 2011 - November 2026

Investigation on the mechanical uncertainty of resistance spot weldings and its effect on structure crashworthiness of automotive B-pillars under side impacts
2 rounds from Sep 2024 to Sep 2024 for Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering

RSM OPTIMIZATION OF RSW PROCESS ON TENSILE SHEAR FRACTURE LOAD
Reviewed: Jan 2024 for Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

Study of the spot welding parameters influence on the mechanical behaviour of welded structures
Reviewed: Jul 2023 for Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture

Life and failure of oriented carbon nanotubes composite electrode for resistance spot welding
Reviewed: Jan 2023 for Matéria (Rio de Janeiro)

AISI 2205 DSS for body-in-white automotive structure: effect of welding current and time on the performance of spot welded joint
2 rounds from Jun 2022 to Nov 2022 for Welding International

Experimental investigation and process parameter optimization in cold metal transfer welding for SS304L using response surface method
Reviewed: Sep 2022 for Engineering Research Express

Friction stir spot welding of dissimilar quality galvanized steel sheets meant for automotive applications using a consumable sheet
Reviewed: May 2022 for Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

Development of Scanning Acoustic Microscopy System for Evaluating the Resistance Spot Welding Quality
2 rounds from Mar 2022 to Apr 2022 for Research in Nondestructive Evaluation

Study on Mechanical Properties and Microstructure of Resistance Spot Welding Joint of 7075-T6 Aluminum Alloy
Reviewed: Mar 2022 for Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

Research on weldability and component distribution of resistance spot-welding of 1Cr18Ni9Ti and 1Cr17Ni2
Reviewed: Jan 2022 for Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture

Design and analysis of a dual-stator brushless doubly-fed induction machine with a staggered dual-cage rotor
Reviewed: Jan 2022 for Science China Technological Sciences

Prediction of Process Parameters of Ultrasonically Welded PC/ABS Material Using Soft-Computing Techniques
2 rounds from Feb 2021 to Feb 2021 for IEEE Access

Effects of cryogenic treatment on mechanical properties and crystal orientation of 0.25C-0.80Si-1.6Mn steel with extraordinary strength-toughness
Reviewed: Dec 2020 for Materials Research Express

Analysis of Ultrasonically Welded PC/ABS Material for Automotive Applications
Reviewed: Dec 2020 for IEEE Access

Modelling and Optimization of resistance spot weld responses using RSM – GA technique for DP590 steel sheets
Reviewed: Oct 2020 for Engineering Research Express

Experimental investigation on resistance spot welding of dissimilar weld joints
2 rounds from Jul 2020 to Oct 2020 for Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

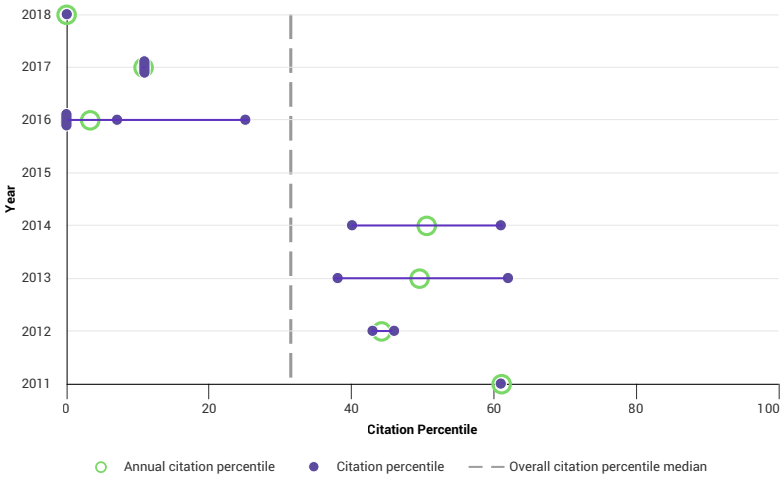
Modelling and Optimization of resistance spot weld responses using RSM – GA technique for DP590 steel sheets
Reviewed: Aug 2020 for Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering

Investigations on mechanical behaviour and failure mechanism resistance spot welded DP590 using artificial neural network
Reviewed: Mar 2020 for Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications

Influence of unit angular distribution on tensile behavior of 40Cr steel prepared by laser bionic hardening treatment
Reviewed: Nov 2019 for Engineering Research Express

Effect of weld nugget size on failure mode and mechanical property of micro scale resistance spot welds of Ti-1Al-1Mn ultra-thin foils
Reviewed: Jan 2018 for Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Applications

Beamplot Summary


2018
2017
2016
2015
2014
2013
2012
2011
Year
0
20
40
60
80
100
Citation Percentile
Annual citation percentile
Citation percentile
Overall citation percentile median