

# Hakan Aydin

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1131941/publications.pdf>

Version: 2024-02-01

20  
papers

495  
citations

1163117

8  
h-index

940533

16  
g-index

20  
all docs

20  
docs citations

20  
times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effect of post-weld heat treatment on the mechanical properties of 2024-T4 friction stir-welded joints. <i>Materials &amp; Design</i> , 2010, 31, 2568-2577.	5.1	125
2	Tensile properties of friction stir welded joints of 2024 aluminum alloys in different heat-treated-state. <i>Materials &amp; Design</i> , 2009, 30, 2211-2221.	5.1	122
3	The optimisation of process parameters for friction stir spot-welded AA3003-H12 aluminium alloy using a Taguchi orthogonal array. <i>Materials &amp; Design</i> , 2014, 63, 789-797.	5.1	88
4	Microstructure and mechanical properties of hard zone in friction stir welded X80 pipeline steel relative to different heat input. <i>Materials Science &amp; Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2013, 586, 313-322.	5.6	56
5	Effect of Welding Parameters on Tensile Properties and Fatigue Behavior of Friction Stir Welded 2014-T6 Aluminum Alloy. <i>Transactions of the Indian Institute of Metals</i> , 2012, 65, 21-30.	1.5	24
6	Effect of Weld Current on the Microstructure and Mechanical Properties of a Resistance Spot-Welded TWIP Steel Sheet. <i>Metals</i> , 2017, 7, 519.	2.3	19
7	The mechanical properties of dissimilar resistance spot-welded DP600â€“DP1000 steel joints for automotive applications. <i>Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering</i> , 2015, 229, 599-610.	1.9	14
8	Microstructure and mechanical properties of dissimilar resistance spot welded DP1000â€“QP1180 steel sheets. <i>Journal of Central South University</i> , 2019, 26, 25-42.	3.0	9
9	Effect of tool pin profile on the hook geometry and mechanical properties of a friction stir spot welded AA6082-T6 aluminum alloy. <i>Transactions of the Canadian Society for Mechanical Engineering</i> , 2021, 45, 233-248.	0.8	8
10	Effect of different nitriding processes on the friction coefficient of 304 austenitic and 420 martensitic stainless steels. <i>Industrial Lubrication and Tribology</i> , 2013, 65, 27-36.	1.3	7
11	An investigation on microstructure and mechanical properties of post-weld heat-treated friction stir welds in aluminum alloy 2024-W. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2013, 227, 649-662.	2.1	5
12	Quality and Properties of the Friction Stir Welded AA2024-T4 Aluminium Alloy at Different Welding Conditions. <i>Materialpruefung/Materials Testing</i> , 2010, 52, 640-650.	2.2	5
13	Strain Effect on the Microstructure, Mechanical Properties and Fracture Characteristics of a TWIP Steel Sheet. <i>Transactions of the Indian Institute of Metals</i> , 2018, 71, 1669-1680.	1.5	4
14	Hydro-Abrasive Erosion Resistance of C45 Steel in Different Heat-Treated States on a Designed Wear Test Apparatus. <i>Materialpruefung/Materials Testing</i> , 2010, 52, 323-331.	2.2	4
15	Effect of Rotational Speed and Dwell Time on Mechanical Properties of Dissimilar AA1050-AA3105 Friction Stir Spot Welded Joints*. <i>Materialpruefung/Materials Testing</i> , 2014, 56, 818-825.	2.2	3
16	The hydro-abrasive erosion wear behavior of duplex-treated surfaces of AISI H13 tool steel. <i>Science China Technological Sciences</i> , 2014, 57, 1040-1051.	4.0	2
17	The effect of duplex surface treatment on erosion performance of QRO 90 Supreme steel. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2019, 44, 1.	1.3	0
18	IMPROVEMENT OF WEAR RESISTANCE OF SHREDDER BLADES USED IN A REFUSE-DERIVED FUEL (RDF) FACILITY BY PLASMA NITRIDING. <i>Surface Review and Letters</i> , 2020, 27, 1950131.	1.1	0

#	ARTICLE	IF	CITATIONS
19	Elektrik direnç punta kaynağı ile birleştirilen %15 deforme edilmiş TWIP çeliğinde kaynak akma ve mekanik özellikler üzerindeki etkisi. Journal of the Faculty of Engineering and Architecture of Gazi University, 2019, 35, 803-818.	0.8	0
20	Laser Cladding Application Using Different Powder Materials on Spheroidal Graphite Cast Iron Mold Material. Bilecik Şeyh Edebali Üniversitesi Fen Bilimleri Dergisi, 0, , .	0.6	0