Dariusz Fydrych

List of Publications by Year
in descending order

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64 papers	1,199 citations	279798 23 h-index	395702 33 g-index
64 all docs	64 docs citations	64 times ranked	548 citing authors

#	Article	IF	Citations
1	Diffusible hydrogen management in underwater wet self-shielded flux cored arc welding. International Journal of Hydrogen Energy, 2017, 42, 24532-24540.	7.1	71
2	Autogenous Fiber Laser Welding of 316L Austenitic and 2304 Lean Duplex Stainless Steels. Materials, 2020, 13, 2930.	2.9	68
3	Mechanical and Microstructural Characterization of TIG Welded Dissimilar Joints between 304L Austenitic Stainless Steel and Incoloy 800HT Nickel Alloy. Metals, 2020, 10, 559.	2.3	58
4	Weldability of high strength steels in wet welding conditions. Polish Maritime Research, 2013, 20, 67-73.	1.9	51
5	The Influence of Tool Shape and Process Parameters on the Mechanical Properties of AW-3004 Aluminium Alloy Friction Stir Welded Joints. Materials, 2021, 14, 3244.	2.9	47
6	Dissimilar underwater wet welding of HSLA steels. International Journal of Advanced Manufacturing Technology, 2020, 109, 717-725.	3.0	46
7	Hydrogen embrittlement of X2CrNiMoCuN25-6-3 super duplex stainless steel welded joints under cathodic protection. Construction and Building Materials, 2020, 238, 117697.	7.2	43
8	Study on Microstructural Characterization, Mechanical Properties and Residual Stress of GTAW Dissimilar Joints of P91 and P22 Steels. Materials, 2021, 14, 6591.	2.9	42
9	Advantages of the Application of the Temper Bead Welding Technique During Wet Welding. Materials, 2019, 12, 915.	2.9	39
10	Role of Bead Sequence in Underwater Welding. Materials, 2019, 12, 3372.	2.9	39
11	Improvement of S355G10+N steel weldability in water environment by Temper Bead Welding. Journal of Materials Processing Technology, 2018, 262, 372-381.	6.3	37
12	Temper Bead Welding of S420G2+M Steel in Water Environment. Advances in Materials Science, 2016, 16, 5-16.	1.0	36
13	Effect of Pin Shape on Thermal History of Aluminum-Steel Friction Stir Welded Joint: Computational Fluid Dynamic Modeling and Validation. Materials, 2021, 14, 7883.	2.9	36
14	Effect of Electrode Waterproof Coating on Quality of Underwater Wet Welded Joints. Materials, 2020, 13, 2947.	2.9	35
15	Effects of FSW Tool Plunge Depth on Properties of an Al-Mg-Si Alloy T-Joint: Thermomechanical Modeling and Experimental Evaluation. Materials, 2021, 14, 4754.	2.9	35
16	The Effect of Wet Underwater Welding on Cold Cracking Susceptibility of Duplex Stainless Steel. Advances in Materials Science, 2016, 16, 68-77.	1.0	31
17	Underwater wet welding of S1300 ultra-high strength steel. Marine Structures, 2022, 81, 103120.	3.8	31
18	Corrosion behavior of hydrogen charged super duplex stainless steel welded joints. Materials and Corrosion - Werkstoffe Und Korrosion, 2017, 68, 1037-1045.	1.5	30

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19	The Abrasive Wear Resistance of Coatings Manufactured on High-Strength Low-Alloy (HSLA) Offshore Steel in Wet Welding Conditions. Coatings, 2020, 10, 219.	2.6	30
20	Bead-On-Plate Welding on S235JR Steel by Underwater Local Dry Chamber Process. Polish Maritime Research, 2014, 21, 58-64.	1.9	28
21	Cold Cracking of S460N Steel Welded in Water Environment. Polish Maritime Research, 2018, 25, 131-136.	1.9	28
22	Underwater Welding of Duplex Stainless Steel. Solid State Phenomena, 0, 183, 101-106.	0.3	27
23	Temper Bead Welding of S460N Steel in Wet Welding Conditions. Advances in Materials Science, 2018, 18, 5-14.	1.0	27
24	Effect of shielded-electrode wet welding conditions on diffusion hydrogen content in deposited metal. Welding International, 2011, 25, 166-171.	0.7	26
25	Study on Microstructure and Mechanical Properties of Laser Welded Dissimilar Joint of P91 Steel and INCOLOY 800HT Nickel Alloy. Materials, 2021, 14, 5876.	2.9	26
26	Efecto del sistema de apantallamiento de la soldadura y el tiempo de almacenaje de los electrodos en el contenido de hidrÃ³geno difundido en el metal depositado. Revista De Metalurgia, 2019, 55, 140.	0.5	25
27	Diffusible Hydrogen Control in Flux Cored Arc Welding Process. Key Engineering Materials, 0, 597, 171-178.	0.4	24
28	Underwater Wet Repair Welding of API 5L X65M Pipeline Steel. Polish Maritime Research, 2017, 24, 188-194.	1.9	22
29	Cold Cracking Of Underwater Wet Welded S355G10+N High Strength Steel. Advances in Materials Science, 2015, 15, 48-56.	1.0	21
30	An experimental study of high-hydrogen welding processes. Revista De Metalurgia, 2015, 51, e055.	0.5	21
31	Pin Angle Thermal Effects on Friction Stir Welding of AA5058 Aluminum Alloy: CFD Simulation and Experimental Validation. Materials, 2021, 14, 7565.	2.9	18
32	The Effect of Welding Conditions on Diffusible Hydrogen Content in Deposited Metal. Solid State Phenomena, 0, 183, 193-200.	0.3	17
33	Effect of underwater local cavity welding method conditions on diffusible hydrogen content in deposited metal. Welding International, 2013, 27, 196-202.	0.7	15
34	Determining diffusible hydrogen amounts using the mercury method. Welding International, 2012, 26, 697-702.	0.7	14
35	Mechanical Properties and Residual Stress Measurements of Grade IV Titanium and Ti-6Al-4V and Ti-13Nb-13Zr Titanium Alloys after Laser Treatment. Materials, 2021, 14, 6316.	2.9	11
36	Influence of PWHT Parameters on the Mechanical Properties and Microstructural Behavior of Multi-Pass GTAW Joints of P92 Steel. Materials, 2022, 15, 4045.	2.9	11

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37	DETERMINATION OF DIFFUSIBLE HYDROGEN CONTENT IN DEPOSITED METAL OF RUTILE ELECTRODES BY GLYCERIN METHOD. Metallurgy and Foundry Engineering, 2013, 39, 43.	0.1	7
38	Weldability of S460ML High Strength Low Alloy Steel in Underwater Conditions. Applied Mechanics and Materials, 0, 838, 10-17.	0.2	3
39	TrwaÅ‚oÅ›Ä‡ spawanych instalacji wodnych wykonanych z nierdzewnych stali austenitycznych. PrzeglÄ…d Spawalnictwa, 2017, 89, .	0.5	3
40	Weldability of high strength steel in underwater environment. Welding International, 2016, 30, 175-181.	0.7	2
41	Application of Multivariate Analysis Methods in Welding Engineering. Biuletyn Instytutu Spawalnictwa, 2018, 2018, 137-145.	0.0	2
42	The influence of solution annealing temperature on the properties of Lean Duplex 2101 welded joints in tubes. PrzeglÄ…d Spawalnictwa, 2019, 91, .	0.5	2
43	DIFFUSIBLE HYDROGEN CONTENT IN DEPOSITED METAL OF MULTILAYER WELDED JOINTS. Metallurgy and Foundry Engineering, 2014, 40, 221.	0.1	2
44	PRELIMINARY STUDIES OF SEAMLESS FLUX CORED WIRES STORED IN EXTREME CONDITIONS. Metallurgy and Foundry Engineering, 2014, 40, 211.	0.1	2
45	Underwater Processing of Materials. Materials, 2022, 15, 4902.	2.9	2
46	WpÅ‚yw obrÃ³bki cieplnej na wÅ‚aÅ›ciwoÅ›ci spawanych austenitycznych rur wymiennikÃ³w ciepÅ‚a; The effect of heat treatment on the properties of welded austenitic tubes for heat exchangers. PrzeglÄ…d Spawalnictwa, 2015, 86, .	0.5	1
47	SpawalnoÅ›Ä‡ tytanu Grade 2 na przykÅ‚adzie pÅ‚aszczowo-rurowego wymiennika ciepÅ‚a. PrzeglÄ…d Spawalnictwa, 2015, 87, .	0.5	1
48	Effect of Linear Energy and Microstructure on the Content of Residual Hydrogen in Welded Joints made of Superduplex Steels. Biuletyn Instytutu Spawalnictwa, 2016, , .	0.0	1
49	Napawanie elementÃ³w wymiennika ciepÅ‚a austenitycznym drutem proszkowym. PrzeglÄ…d Spawalnictwa, 2017, 89, .	0.5	1
50	MoÅ¼liwoÅ›ci sterowania iloÅ›ciÄ… wodoru dyfundujÄ…cego w zÅ‚Ä…czach spawanych. PrzeglÄ…d Spawalnictwa, 2017, 89, .	0.5	1
51	Effect of the Post-Weld Surface Condition on the Corrosion Resistance of Austenitic Stainless Steel AISI 304. Biuletyn Instytutu Spawalnictwa, 2018, 2018, 17-23.	0.0	1
52	Badania spawalnoÅ›ci stali S460N w Å›rodowisku wodnym z wykorzystaniem prÃ³by Tekken. PrzeglÄ…d Spawalnictwa, 2018, 90, .	0.5	1
53	Determination of moisture resistance of covered electrodes according to PN-EN ISO 14372. PrzeglÄ…d Spawalnictwa, 2019, 91, 23-30.	0.5	1
54	Advances in Materials Science Editorial on the Journalâ€™s 20th Anniversary. Advances in Materials Science, 2021, 21, 5-9.	1.0	0

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55	Pomiary iloÅ›ci wodoru dyfundujÄ…cego w stopiwie elektrod celulozowych i zasadowych; Determination of diffusible hydrogen content in deposited metal of cellulosic and basic electrodes. PrzeglÄ…d Spawalnictwa, 2015, 86, .	0.5	0
56	Badania warunkÃ³w spawania pod wodÄ… metodÄ… lokalnej komory suchej; Investigations of underwater local dry cavity welding conditions. PrzeglÄ…d Spawalnictwa, 2015, 86, .	0.5	0
57	Ocena moÅ¼liwoÅ›ci naprawy rurociÄ…gu podwodnego ze stali API 5L X65 przy zastosowaniu spawania mokrego. PrzeglÄ…d Spawalnictwa, 2015, 87, .	0.5	0
58	WpÅ‚yw techniki Å›ciegu odpuszczajÄ…cego na spawalnoÅ›Ä‡ stali S355G10+N pod wodÄ…. PrzeglÄ…d Spawalnictwa, 2015, 87, .	0.5	0
59	Ocena przydatnoÅ›ci komercyjnych elektrod otulonych do spawania mokrego pod wodÄ… z wykorzystaniem analizy skupieÅ„. PrzeglÄ…d Spawalnictwa, 2015, 87, .	0.5	0
60	Effect of the Magnetisation of Covered Electrodes on the Quality and Properties of Underwater Wet Welded Joints. Biuletyn Instytutu Spawalnictwa, 2016, , .	0.0	0
61	WÅ‚aÅ›ciwoÅ›ci zÅ‚Ä…czy rÃ³Å¼noimiennych stopu niklu Incoloy 800H ze stalÄ… odpornÄ… na korozjÄ™ 316L. PrzeglÄ…d Spawalnictwa, 2016, 88, .	0.5	0
62	Zastosowanie prÃ³by implant do oceny spawalnoÅ›ci stali. PrzeglÄ…d Spawalnictwa, 2016, 88, .	0.5	0
63	WÅ‚aÅ›ciwoÅ›ci stali S460M napawanej pod wodÄ… metodÄ… lokalnej komory suchej. PrzeglÄ…d Spawalnictwa, 2017, 89, .	0.5	0
64	DobÃ³r urzÄ…dzeÅ„ do zgrzewania oporowego punktowego z wykorzystaniem analizy skupieÅ„. PrzeglÄ…d Spawalnictwa, 2018, 90, .	0.5	0