

Yupiter H P Manurung

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

63

papers

340

citations

10

h-index

17

g-index

75

ext. papers

411

ext. citations

1.4

avg, IF

3.31

L-index

#	Paper	IF	Citations
63	Optimization and modeling of spot welding parameters with simultaneous multiple response consideration using multi-objective Taguchi method and RSM. <i>Journal of Mechanical Science and Technology</i> , 2012 , 26, 2365-2370	1.6	42
62	Approach to prediction of laser cutting quality by employing fuzzy expert system. <i>Expert Systems With Applications</i> , 2011 , 38, 7558-7568	7.8	42
61	Model development for quality features of resistance spot welding using multi-objective Taguchi method and response surface methodology. <i>Journal of Intelligent Manufacturing</i> , 2013 , 24, 1175-1183	6.7	35
60	Welding distortion analysis of multipass joint combination with different sequences using 3D FEM and experiment. <i>International Journal of Pressure Vessels and Piping</i> , 2013 , 111-112, 89-98	2.4	25
59	Simulation and experimental study on distortion of butt and T-joints using WELD PLANNER. <i>Journal of Mechanical Science and Technology</i> , 2011 , 25, 2641-2646	1.6	25
58	Model development for mechanical properties and weld quality class of friction stir welding using multi-objective Taguchi method and response surface methodology. <i>Journal of Mechanical Science and Technology</i> , 2015 , 29, 2323-2331	1.6	24
57	Investigation on welding distortion of combined butt and T-joints with 9-mm thickness using FEM and experiment. <i>International Journal of Advanced Manufacturing Technology</i> , 2015 , 77, 775-782	3.2	14
56	Angular distortion analysis of the multipass welding process on combined joint types using thermo-elastic-plastic FEM with experimental validation. <i>International Journal of Advanced Manufacturing Technology</i> , 2013 , 69, 2373-2386	3.2	12
55	FEM Simulation Procedure for Distortion and Residual Stress Analysis of Wire Arc Additive Manufacturing. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 834, 012083	0.4	11
54	Numerical simulation of metallic wire arc additive manufacturing (WAAM) 2018 ,		10
53	An Investigation on Low-Temperature Thermochemical Treatments of Austenitic Stainless Steel in Fluidized Bed Furnace. <i>Journal of Materials Engineering and Performance</i> , 2012 , 21, 388-394	1.6	9
52	Development of Bead Modelling for Distortion Analysis Induced by Wire Arc Additive Manufacturing using FEM and Experiment. <i>MATEC Web of Conferences</i> , 2019 , 269, 05003	0.3	8
51	Predicting the GMAW 3F T-Fillet Geometry and Its Welding Parameter. <i>Procedia Engineering</i> , 2012 , 41, 1794-1799		8
50	A Quality Improvement Approach for Resistance Spot Welding using Multi-objective Taguchi Method and Response Surface Methodology. <i>International Journal on Advanced Science, Engineering and Information Technology</i> , 2012 , 2, 215	1.6	8
49	Multi-Response Optimization Using Taguchi Method of Resistance Spot Welding Parameters. <i>Applied Mechanics and Materials</i> , 2014 , 660, 120-124	0.3	7
48	The geometrical feature of weld defect in assessing digital radiographic image 2011 ,		7
47	Investigation on forming-welding process chain for DC04 tube manufacturing using experiment and FEM simulation. <i>International Journal of Advanced Manufacturing Technology</i> , 2019 , 102, 2399-2408	3.2	6

46	Optimization of Friction Stir Welding Parameters with Simultaneous Multiple Response Consideration Using Multi-Objective Taguchi Method. <i>Advanced Materials Research</i> , 2014 , 974, 408-412	0.5	4
45	Structural life enhancement on friction stir welded AA6061 with optimized process and HFMI/PIT parameters. <i>International Journal of Advanced Manufacturing Technology</i> , 2017 , 90, 3575-3583	3.2	4
44	Modeling and Optimization of Weld Zone Development in Resistance Seam Welding. <i>Advanced Materials Research</i> , 2012 , 576, 173-176	0.5	3
43	Analysis of material property models on WAAM distortion using nonlinear numerical computation and experimental verification with P-GMAW. <i>Archives of Civil and Mechanical Engineering</i> , 2021 , 21, 1	3.4	3
42	Analysis of Residual Stress on FSW AA 6061 Using Hole-Drilling with ESPI for HFMI Treated Condition. <i>Materials Science Forum</i> , 2017 , 890, 344-347	0.4	2
41	Fatigue Life Enhancement of Transverse and Longitudinal T-Joint on Offshore Steel Structure HSLA S460G2+M using Semi-automated GMAW and HFMI/PIT. <i>MATEC Web of Conferences</i> , 2019 , 269, 06001	0.3	2
40	Three Response Optimization of Spot-Welded Joint Using Taguchi Design and Response Surface Methodology Techniques. <i>Lecture Notes in Mechanical Engineering</i> , 2019 , 85-95	0.4	2
39	TRI-OBJECTIVE OPTIMIZATION OF CARBON STEEL SPOT-WELDED JOINTS. <i>Jurnal Teknologi (Sciences and Engineering)</i> , 2015 , 76,	1.2	2
38	Weld defect features extraction on digital radiographic image using Chan-Vese model 2013 ,		2
37	Angular Distortion Analysis on Multipassed Welding of Combined Joint Types Using Thermo-Elastic-Plastic FEM. <i>Advanced Materials Research</i> , 2011 , 314-316, 315-318	0.5	2
36	Predicting Bead Geometry of 2F-Fillet Joint Welded by Small Wire SAW. <i>Advanced Materials Research</i> , 2012 , 576, 185-188	0.5	2
35	EFFECT OF PROCESS PARAMETERS ON THE MECHANICAL PROPERTIES AND FAILURE BEHAVIOR OF SPOT WELDED LOW CARBON STEEL. <i>Journal of Mechanical Engineering and Sciences</i> , 2015 , 8, 1489-1497	2	2
34	Fatigue Life Behaviour of Transverse Fillet Weld and Transverse Fillet on Weld of the HSLA S460G2+M Followed by HFMI/PIT. <i>Applied Mechanics and Materials</i> , 2020 , 899, 126-134	0.3	2
33	Distortion Analysis of SLM Product of SS316L using Inherent Strain Method. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 834, 012011	0.4	2
32	Evaluation of nugget formation in resistance spot welding of dissimilar materials 2015 ,		1
31	Fatigue life assessment and enhancement on welded structure: Review on assessment methods with case study and recent technology 2014 ,		1
30	Performance of noise removal methods with image quality parameter on focused digital radiographic image 2012 ,		1
29	Optimizing Robotic Welding Parameter of Single Passed Butt Joint under Simultaneous Consideration of Multiple Response Using Multi Objective Taguchi Method. <i>Advanced Materials Research</i> , 2012 , 576, 177-180	0.5	1

28	Investigation on Welded T-Joint Distortion Using Virtual Manufacturing Tools with Simplified Procedure. <i>Journal of the Korean Society for Precision Engineering</i> , 2020 , 37, 91-97	0.3	1
27	Development of Stand Alone Application Tool for Analyzing and Reporting Weld Imperfection Captured by Focused Digital Radiography using MATLAB-based GUI. <i>Journal of Applied Sciences</i> , 2012 , 12, 612-626	0.3	1
26	FEM analysis of the HAZ temperature by heat source modeling on butt-joint process using msc marc mentat. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 725, 012009	0.4	1
25	Grain Growth Prediction of Bead-on-Plate with Filler Wire SS316L using FEM. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 834, 012009	0.4	1
24	Numerical Simulation on Residual Stress and Substrate Deformation of Bead-On-Plate of SS316L Using Inherent Strain Method. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 723-738	0.4	1
23	Experimental Verification of Numerical Computation with Evolved Material Property Model and Sensitivity Analysis on WAAM Distortion using P-GMAW. <i>Arabian Journal for Science and Engineering</i> , 2021 , 46, 12525	2.5	1
22	Numerical Evaluation of Fatigue Crack Growth of Structural Steels Using Energy Release Rate with VCCT. <i>Applied Sciences (Switzerland)</i> , 2022 , 12, 2641	2.6	1
21	Numerical modelling and experimental analysis on angular strain induced by bead-on-plate SS316L GMAW using inherent strain and thermomechanical methods. <i>International Journal of Advanced Manufacturing Technology</i> , 2022 , 120, 627	3.2	0
20	Experimental validation of numerical simulation on deformation behaviour induced by wire arc additive manufacturing with feedstock SS316L on substrate S235. <i>International Journal of Advanced Manufacturing Technology</i> , 1	3.2	0
19	Comparative study between MSC Marc/Mentat student version and Simufact Welding for three-passed butt joint. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 852, 012071	0.4	0
18	Permeability and Mechanical Properties of Additively Manufactured Porous Maraging 300 Steel. <i>Lasers in Manufacturing and Materials Processing</i> , 2021 , 8, 28-44	2.1	0
17	Investigation of Material Model Effect on WAAM SS316L Using Numerical Simulation. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 329-341	0.4	0
16	Partial Differential Equation (PDE) Based Image Smoothing System for Digital Radiographic Image. <i>Communications in Computer and Information Science</i> , 2015 , 198-207	0.3	
15	Correlation between Welding Parameter and Bead Geometry of Flux Cored Arc Welding (FCAW) in Horizontal Position (2F). <i>Applied Mechanics and Materials</i> , 2014 , 564, 549-554	0.3	
14	Prediction of Flux Cored Arc Welding (FCAW) Parameters and Bead Geometry in Downhill Position (3F). <i>Applied Mechanics and Materials</i> , 2014 , 660, 342-346	0.3	
13	Simulation and Experimental Investigation on Water Meter Housing Using FV Method. <i>Applied Mechanics and Materials</i> , 2013 , 393, 234-239	0.3	
12	Distortion Analysis on Multipassed Butt Weld Using FEM and Experimental Study. <i>Advanced Materials Research</i> , 2011 , 311-313, 811-814	0.5	
11	Investigation on Weld Induced Distortion of Butt and T-Joints Using Thermo-Elastic-FEM and Experimental Study. <i>Advanced Materials Research</i> , 2011 , 314-316, 327-330	0.5	

10	Transversed Residual Stress Analysis on Multipassed Fillet Weld 2D-Using FEM and Experiment. <i>Advanced Materials Research</i> , 2012 , 576, 181-184	0.5
9	Investigation on Weld Induced Distortion of Butt Joint Using a Local/Global Simulation Approach. <i>Advanced Materials Research</i> , 2012 , 576, 189-192	0.5
8	Effect of Process Parameter on Tensile Strength of Spot Welded S235 Sheet Using Simulation and Experimental. <i>Applied Mechanics and Materials</i> , 2020 , 899, 169-179	0.3
7	Numerical computation for prediction of grain growth on stainless steel 316L. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 834, 012037	0.4
6	Thermal cutting analysis on grain size distribution using probabilistic FEM. <i>IOP Conference Series: Materials Science and Engineering</i> , 2020 , 834, 012068	0.4
5	Investigation of Material Property Model on Substrate Deformation Induced by Thick-Walled WAAM Process Using Numerical Computation. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 747-761	0.4
4	Numerical Analysis and Modelling of Resistance Spot Welded DP600 Steel Sheets. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 699-709	0.4
3	Simulation of Residual Stress and Distortion on Additively Manufactured SS316L Specimens Using Inherent Strain Method. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 657-668	0.4
2	Grain Growth Prediction of SS316L Stainless Steel of Bead-On-Plate Using Numerical Computation. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 1-11	0.4
1	FEM Analysis on Deformation of Coupled Process. <i>Lecture Notes in Mechanical Engineering</i> , 2021 , 619-630	0.4