Yupiter H P Manurung

List of Publications by Year in Descending Order

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	Numerical modelling and experimental analysis on angular strain induced by bead-on-plate SS316L GMAW using inherent strain and thermomechanical methods. *International Journal of Advanced Manufacturing Technology*, **2022**, 120, 627	3.2	0
62	Numerical Evaluation of Fatigue Crack Growth of Structural Steels Using Energy Release Rate with VCCT. *Applied Sciences (Switzerland)*, **2022**, 12, 2641	2.6	1
61	Investigation of Material Property Model on Substrate Deformation Induced by Thick-Walled WAAM Process Using Numerical Computation. *Lecture Notes in Mechanical Engineering*, **2021**, 747-761	0.4	
60	Numerical Simulation on Residual Stress and Substrate Deformation of Bead-On-Plate of SS316L Using Inherent Strain Method. *Lecture Notes in Mechanical Engineering*, **2021**, 723-738	0.4	1
59	Numerical Analysis and Modelling of Resistance Spot Welded DP600 Steel Sheets. *Lecture Notes in Mechanical Engineering*, **2021**, 699-709	0.4	
58	Simulation of Residual Stress and Distortion on Additively Manufactured SS316L Specimens Using Inherent Strain Method. *Lecture Notes in Mechanical Engineering*, **2021**, 657-668	0.4	
57	Permeability and Mechanical Properties of Additively Manufactured Porous Maraging 300 Steel. *Lasers in Manufacturing and Materials Processing*, **2021**, 8, 28-44	2.1	0
56	Grain Growth Prediction of SS316L Stainless Steel of Bead-On-Plate Using Numerical Computation. *Lecture Notes in Mechanical Engineering*, **2021**, 1-11	0.4	
55	Analysis of material property models on WAAM distortion using nonlinear numerical computation and experimental verification with P-GMAW. *Archives of Civil and Mechanical Engineering*, **2021**, 21, 1	3.4	3
54	Experimental Verification of Numerical Computation with Evolved Material Property Model and Sensitivity Analysis on WAAM Distortion using P-GMAW. *Arabian Journal for Science and Engineering* , **2021**, 46, 12525	2.5	1
53	Investigation of Material Model Effect on WAAM SS316L Using Numerical Simulation. *Lecture Notes in Mechanical Engineering*, **2021**, 329-341	0.4	0
52	FEM Analysis on Deformation of Coupled Process. *Lecture Notes in Mechanical Engineering*, **2021**, 619-631	0.4	
51	Investigation on Welded T-Joint Distortion Using Virtual Manufacturing Tools with Simplified Procedure. *Journal of the Korean Society for Precision Engineering*, **2020**, 37, 91-97	0.3	1
50	Fatigue Life Behaviour of Transverse Fillet Weld and Transverse Fillet on Weld of the HSLA S460G2+M Followed by HFMI/PIT. *Applied Mechanics and Materials*, **2020**, 899, 126-134	0.3	2
49	Effect of Process Parameter on Tensile Strength of Spot Welded S235 Sheet Using Simulation and Experimental. *Applied Mechanics and Materials*, **2020**, 899, 169-179	0.3	
48	Comparative study between MSC Marc/Mentat student version and Simufact Welding for three-passed butt joint. *IOP Conference Series: Materials Science and Engineering*, **2020**, 852, 012071	0.4	0
47	FEM analysis of the HAZ temperature by heat source modeling on butt-joint process using msc marc mentat. *IOP Conference Series: Materials Science and Engineering*, **2020**, 725, 012009	0.4	1

46	Grain Growth Prediction of Bead-on-Plate with Filler Wire SS316L using FEM. *IOP Conference Series: Materials Science and Engineering*, **2020**, 834, 012009	0.4	1
45	Distortion Analysis of SLM Product of SS316L using Inherent Strain Method. *IOP Conference Series: Materials Science and Engineering*, **2020**, 834, 012011	0.4	2
44	Numerical computation for prediction of grain growth on stainless steel 316L. *IOP Conference Series: Materials Science and Engineering*, **2020**, 834, 012037	0.4	
43	Thermal cutting analysis on grain size distribution using probabilistic FEM. *IOP Conference Series: Materials Science and Engineering*, **2020**, 834, 012068	0.4	
42	FEM Simulation Procedure for Distortion and Residual Stress Analysis of Wire Arc Additive Manufacturing. *IOP Conference Series: Materials Science and Engineering*, **2020**, 834, 012083	0.4	11
41	Fatigue Life Enhancement of Transverse and Longitudinal T-Joint on Offshore Steel Structure HSLAS460G2+M using Semi-automated GMAW and HFMI/PIT. *MATEC Web of Conferences*, **2019**, 269, 06001	0.3	2
40	Investigation on forming□welding process chain for DC04 tube manufacturing using experiment and FEM simulation. *International Journal of Advanced Manufacturing Technology*, **2019**, 102, 2399-2408	3.2	6
39	Development of Bead Modelling for Distortion Analysis Induced by Wire Arc Additive Manufacturing using FEM and Experiment. *MATEC Web of Conferences*, **2019**, 269, 05003	0.3	8
38	Three Response Optimization of Spot-Welded Joint Using Taguchi Design and Response Surface Methodology Techniques. *Lecture Notes in Mechanical Engineering*, **2019**, 85-95	0.4	2
37	Numerical simulation of metallic wire arc additive manufacturing (WAAM) **2018**,		10
36	Analysis of Residual Stress on FSW AA 6061 Using Hole-Drilling with ESPI for HFMI Treated Condition. *Materials Science Forum*, **2017**, 890, 344-347	0.4	2
35	Structural life enhancement on friction stir welded AA6061 with optimized process and HFMI/PIT parameters. *International Journal of Advanced Manufacturing Technology*, **2017**, 90, 3575-3583	3.2	4
34	Model development for mechanical properties and weld quality class of friction stir welding using multi-objective Taguchi method and response surface methodology. *Journal of Mechanical Science and Technology*, **2015**, 29, 2323-2331	1.6	24
33	Partial Differential Equation (PDE) Based Image Smoothing System for Digital Radiographic Image. *Communications in Computer and Information Science*, **2015**, 198-207	0.3	
32	Investigation on welding distortion of combined butt and T-joints with 9-mm thickness using FEM and experiment. *International Journal of Advanced Manufacturing Technology*, **2015**, 77, 775-782	3.2	14
31	Evaluation of nugget formation in resistance spot welding of dissimilar materials **2015**,		1
30	TRI-OBJECTIVE OPTIMIZATION OF CARBON STEEL SPOT-WELDED JOINTS. *Jurnal Teknologi (Sciences and Engineering)*, **2015**, 76,	1.2	2
29	EFFECT OF PROCESS PARAMETERS ON THE MECHANICAL PROPERTIES AND FAILURE BEHAVIOR OF SPOT WELDED LOW CARBON STEEL. *Journal of Mechanical Engineering and Sciences*, **2015**, 8, 1489-1497	2	2

28	Optimization of Friction Stir Welding Parameters with Simultaneous Multiple Response Consideration Using Multi-Objective Taguchi Method. *Advanced Materials Research*, **2014**, 974, 408-412	0.5	4
27	Correlation between Welding Parameter and Bead Geometry of Flux Cored Arc Welding (FCAW) in Horizontal Position (2F). *Applied Mechanics and Materials*, **2014**, 564, 549-554	0.3	
26	Fatigue life assessment and enhancement on welded structure: Review on assessment methods with case study and recent technology **2014**,		1
25	Prediction of Flux Cored Arc Welding (FCAW) Parameters and Bead Geometry in Downhill Position (3F). *Applied Mechanics and Materials*, **2014**, 660, 342-346	0.3	
24	Multi-Response Optimization Using Taguchi Method of Resistance Spot Welding Parameters. *Applied Mechanics and Materials*, **2014**, 660, 120-124	0.3	7
23	Angular distortion analysis of the multipass welding process on combined joint types using thermo-elastic□plastic FEM with experimental validation. *International Journal of Advanced Manufacturing Technology*, **2013**, 69, 2373-2386	3.2	12
22	Model development for quality features of resistance spot welding using multi-objective Taguchi method and response surface methodology. *Journal of Intelligent Manufacturing*, **2013**, 24, 1175-1183	6.7	35
21	Welding distortion analysis of multipass joint combination with different sequences using 3D FEM and experiment. *International Journal of Pressure Vessels and Piping*, **2013**, 111-112, 89-98	2.4	25
20	Weld defect features extraction on digital radiographic image using Chan-Vese model **2013**,		2
19	Simulation and Experimental Investigation on Water Meter Housing Using FV Method. *Applied Mechanics and Materials*, **2013**, 393, 234-239	0.3	
18	An Investigation on Low-Temperature Thermochemical Treatments of Austenitic Stainless Steel in Fluidized Bed Furnace. *Journal of Materials Engineering and Performance*, **2012**, 21, 388-394	1.6	9
17	Predicting the GMAW 3F T-Fillet Geometry and Its Welding Parameter. *Procedia Engineering*, **2012**, 41, 1794-1799		8
16	Performance of noise removal methods with image quality parameter on □focused digital radiographic image **2012**,		1
15	Optimization and modeling of spot welding parameters with simultaneous multiple response consideration using multi-objective Taguchi method and RSM. *Journal of Mechanical Science and Technology*, **2012**, 26, 2365-2370	1.6	42
14	Modeling and Optimization of Weld Zone Development in Resistance Seam Welding. *Advanced Materials Research*, **2012**, 576, 173-176	0.5	3
13	Predicting Bead Geometry of 2F-Fillet Joint Welded by Small Wire SAW. *Advanced Materials Research*, **2012**, 576, 185-188	0.5	2
12	Optimizing Robotic Welding Parameter of Single Passed Butt Joint under Simultaneous Consideration of Multiple Response Using Multi Objective Taguchi Method. *Advanced Materials Research*, **2012**, 576, 177-180	0.5	1
11	Transversed Residual Stress Analysis on Multipassed Fillet Weld 2D-Using FEM and Experiment. *Advanced Materials Research*, **2012**, 576, 181-184	0.5	

10	Investigation on Weld Induced Distortion of Butt Joint Using a Local/Global Simulation Approach. *Advanced Materials Research*, **2012**, 576, 189-192	0.5	
9	A Quality Improvement Approach for Resistance Spot Welding using Multi-objective Taguchi Method and Response Surface Methodology. *International Journal on Advanced Science, Engineering and Information Technology*, **2012**, 2, 215	1.6	8
8	Development of Stand Alone Application Tool for Analyzing and Reporting Weld Imperfection Captured by Focussed Digital Radiography using MATLAB-based GUI. *Journal of Applied Sciences*, **2012**, 12, 612-626	0.3	1
7	Simulation and experimental study on distortion of butt and T-joints using WELD PLANNER. *Journal of Mechanical Science and Technology*, **2011**, 25, 2641-2646	1.6	25
6	Approach to prediction of laser cutting quality by employing fuzzy expert system. *Expert Systems With Applications*, **2011**, 38, 7558-7568	7.8	42
5	The geometrical feature of weld defect in assessing digital radiographic image **2011**,		7
4	Angular Distortion Analysis on Multipassed Welding of Combined Joint Types Using Thermo-Elastic-Plastic FEM. *Advanced Materials Research*, **2011**, 314-316, 315-318	0.5	2
3	Distortion Analysis on Multipassed Butt Weld Using FEM and Experimental Study. *Advanced Materials Research*, **2011**, 311-313, 811-814	0.5	
2	Investigation on Weld Induced Distortion of Butt and T-Joints Using Thermo-Elastic-FEM and Experimental Study. *Advanced Materials Research*, **2011**, 314-316, 327-330	0.5	
1	Experimental validation of numerical simulation on deformation behaviour induced by wire arc additive manufacturing with feedstock SS316L on substrate S235. *International Journal of Advanced Manufacturing Technology*,1	3.2	0