Faisal Hasan

List of Publications by Year
in descending order

39 papers	452 citations	11 h-index 840776
39 all docs	39 docs citations	39 times ranked

20 g-index 752698

432 citing authors

#	Article	IF	Citations
1	A sustainable ecofriendly additive manufacturing approach of repairing and coating on the substrate: cold spray. Australian Journal of Mechanical Engineering, 2023, 21, 1624-1641.	2.1	5
2	Effect of nanoparticles in cutting fluid for structural machining of Inconel 718. Advances in Materials and Processing Technologies, 2022, 8, 259-276.	1.4	8
3	Residual stress investigation in the metallic coating approach of micro-sized particles on the substrate: cold spray additive manufacturing. Advances in Materials and Processing Technologies, 2022, 8, 4642-4658.	1.4	1
4	Design and manufacture of a custom ankle–foot orthoses using traditional manufacturing and fused deposition modeling. Progress in Additive Manufacturing, 2021, 6, 555-570.	4.8	5
5	An Adaptive Algorithm for Multiple Part Families Manufacturing Selection in Reconfigurable Flow Lines. Communications in Computer and Information Science, 2020, , 133-144.	0.5	3
6	Structural and mechanical properties of microwave hybrid sintered aluminium silicon carbide composite. Advances in Materials and Processing Technologies, 2019, 5, 559-567.	1.4	8
7	Artificial neural network simulation for prediction of suspended sediment concentration in the River Ramganga, Ganges Basin, India. International Journal of Sediment Research, 2019, 34, 95-107.	3.5	68
8	Estimation of suspended sediment load using three neural network algorithms in Ramganga River catchment of Ganga Basin, India. Sustainable Water Resources Management, 2019, 5, 1115-1131.	2.1	26
9	Material Perspective and Deformation Pattern of Micro-sized Metallic Particle Using Cold Gas Dynamic Spray. Lecture Notes on Multidisciplinary Industrial Engineering, 2019, , 393-401.	0.6	3
10	Optimum Machines Allocation in a Serial Production Line Using NSGA-II and TOPSIS. Lecture Notes on Multidisciplinary Industrial Engineering, 2018, , 411-434.	0.6	0
11	A comparative study of classifier techniques for lift index data analysis. Benchmarking, 2018, 25, 632-641.	4.6	2
12	Robot-assisted totally endoscopic coronary bypass surgery. Indian Journal of Thoracic and Cardiovascular Surgery, 2018, 34, 94-104.	0.6	2
13	Configuration selection for a reconfigurable manufacturing flow line involving part production with operation constraints. International Journal of Advanced Manufacturing Technology, 2018, 98, 2137-2156.	3.0	48
14	Long-term results after robotically assisted coronary bypass surgery. Annals of Cardiothoracic Surgery, 2016, 5, 556-562.	1.7	15
15	An integrated reverse engineering and rapid prototyping approach towards reconstruction of damaged impeller. International Journal of Industrial and Systems Engineering, 2016, 23, 393.	0.2	5
16	Scalability of reconfigurable manufacturing systems based on bowl phenomenon: an implication of modular machines. International Journal of Industrial and Systems Engineering, 2016, 22, 73.	0.2	8
17	A neural network-based approach for part family classification for a reconfigurable manufacturing system. International Journal of Operational Research, 2016, 25, 143.	0.2	2
18	Neural network model for discharge and water-level prediction for Ramganga River catchment of Ganga Basin, India. Hydrological Sciences Journal, 2016, 61, 2084-2095.	2.6	66

#	Article	IF	Citations
19	Part family formation using skip moves and lazy machines in a reconfigurable manufacturing system. International Journal of Modelling in Operations Management, 2015, 5, 196.	0.0	1
20	Robotically assisted percutaneous coronary intervention: benefits to the patient and the cardiologist. Expert Review of Cardiovascular Therapy, 2015, 13, 1165-1168.	1.5	15
21	Product family formation based on multiple product similarities for a reconfigurable manufacturing system. International Journal of Modelling in Operations Management, 2015, 5, 247.	0.0	14
22	New Ways of Thinking About Senescent Bioprosthetic Heart Valve Therapy. JACC: Cardiovascular Interventions, 2015, 8, 1745-1747.	2.9	0
23	Prediction of machine reconfigurability using artificial neural network for a reconfigurable serial product flow line. International Journal of Industrial and Systems Engineering, 2014, 18, 283.	0.2	3
24	Optimum configuration selection in Reconfigurable Manufacturing System involving multiple part families. Opsearch, 2014, 51, 297-311.	1.8	30
25	Service Level as Performance Index for Reconfigurable Manufacturing System Involving Multiple Part Families. Procedia Engineering, 2014, 69, 814-821.	1.2	22
26	Performance modelling of dispatching strategies under resource failure scenario in reconfigurable manufacturing system. International Journal of Industrial and Systems Engineering, 2014, 16, 322.	0.2	5
27	Production Rate and Availability Considerations for Reconfigurable Manufacturing System under Degraded Performance Mode. Journal of the Association of Engineers India, 2014, 84, 17.	0.1	0
28	Machine Reconfigurability Models Using Multi-Attribute Utility Theory and Power Function Approximation. Procedia Engineering, 2013, 64, 1354-1363.	1.2	21
29	An approach towards scalability for reconfigurable product flow line through unbalancing. International Journal of Modelling in Operations Management, 2013, 3, 118.	0.0	4
30	Service Level as Performance Indicator for Multiple Part Families in a Reconfigurable Manufacturing System. Journal of Mechanical Engineering and Sciences, 2013, 5, 696-706.	0.6	0
31	Performance modeling of reconfigurable manufacturing system for different dispatching strategies under exception. , 2012, , .		3
32	Design of a workstation and its evaluation under the influence of noise and illumination for an assembly task. Work, 2011, 39, 3-14.	1.1	8
33	Effects of vibration push force, exposure duration and working posture on operators performing a grinding task. Occupational Ergonomics, 2010, 9, 13-26.	0.3	2
34	Effect of noise, heat stress and exposure duration on operators in a die casting operation. Occupational Ergonomics, 2008, 7, 233-245.	0.3	2
35	Vibration Effects on Cognitive Task Performance in a Rural Road Automobile Driving Environment. Noise and Vibration Worldwide, 2007, 38, 11-19.	1.0	3
36	Design of Active Noise Control System Using Phase Shift Network for a Hydraulic Surface Grinder. Journal of Low Frequency Noise Vibration and Active Control, 2006, 25, 55-61.	2.9	0

#	Article	IF	Citations
37	Human Performance under the Impact of Continuous and Intermittent Noise in a Manual Machining Task. Noise and Vibration Worldwide, 2004, 35, 10-15.	1.0	7
38	Physiological Effect of Vibrations on Tractor Drivers under Variable Ploughing Conditions. Journal of Occupational Health, 2004, 46, 403-409.	2.1	29
39	Genetic Modelling for Selecting Optimal Machine Configurations in Reconfigurable Manufacturing System. Applied Mechanics and Materials, 0, 789-790, 1229-1239.	0.2	8