Omar M Ashour

List of Publications by Year
in descending order

20 papers	332 citations	1040056 9 h-index	1058476 14 g-index
20 all docs	20 docs citations	20 times ranked	290 citing authors

#	Article	IF	Citations
1	Void Content Reduction in 3D Printed Glass Fiber-Reinforced Polymer Composites through Temperature and Pressure Consolidation. Journal of Composites Science, 2022, 6, 128.	3.0	3
2	An integrated optimization and machine learning approach to predict the admission status of emergency patients. Expert Systems With Applications, 2022, 202, 117314.	7.6	6
3	Charpy impact energy absorption of 3D printed continuous Kevlar reinforced composites. Journal of Composite Materials, 2021, 55, 1705-1713.	2.4	17
4	Evaluating the effect of variable fiber content on mechanical properties of additively manufactured continuous carbon fiber composites. Journal of Reinforced Plastics and Composites, 2021, 40, 365-377.	3.1	29
5	Deep Reinforcement Learning for Procedural Content Generation of 3D Virtual Environments. Journal of Computing and Information Science in Engineering, 2020, 20, .	2.7	9
6	Efficacy Investigation of Virtual Reality Teaching Module in Manufacturing System Design Course. Journal of Mechanical Design, Transactions of the ASME, 2019, 141, .	2.9	22
7	Reinforcement Learning Content Generation for Virtual Reality Applications. , 2019, , .		8
8	Development of Experiment-Based Mathematical Models of Acoustic Signals for Machine Condition Monitoring. Procedia CIRP, 2018, 72, 1316-1320.	1.9	8
9	An approach for rush order acceptance decisions using simulation and multi-attribute utility theory. European Journal of Industrial Engineering, 2017, 11, 613.	0.8	10
10	Dynamic patient grouping and prioritization: a new approach to emergency department flow improvement. Health Care Management Science, 2016, 19, 192-205.	2.6	41
11	Redesign the engineering teaching and assessment methods to provide more information to improve students' learning. , 2014, , .		6
12	A simulation analysis of the impact of FAHP–MAUT triage algorithm on the Emergency Department performance measures. Expert Systems With Applications, 2013, 40, 177-187.	7.6	60
13	Model comparison in Emergency Severity Index level prediction. Expert Systems With Applications, 2013, 40, 6901-6909.	7.6	16
14	Rank aggregation methods comparison: A case for triage prioritization. Expert Systems With Applications, 2013, 40, 1305-1311.	7.6	30
15	The Assessment of Product Archaeology as a Platform for Contextualizing Engineering Design. , 2013, , .		2
16	From Product Dissection to Product Archaeology: Exposing Students to Global, Economic, Environmental, and Societal Impact Through Competitive and Collaborative "Digs". , 2011, , .		4
17	A novice-centered decision-support system for type synthesis of function-generation mechanisms. Mechanism and Machine Theory, 2010, 45, 1252-1268.	4.5	19
18	Fuzzy AHP and utility theory based patient sorting in emergency departments. International Journal of Collaborative Enterprise, 2010, 1, 332.	0.2	19

#	Article	IF	Citations
19	A Study on Situated Cognition: Product Dissectionâ€™s Effect on Redesign Activities. , 2010, , .		14
20	Mastery Learning in Engineering: A Case Study in Statics. , 0, , .		9