Mohd Umair Iqbal

List of Publications by Year
in descending order

13	174	1307594 7	1125743 13
papers	citations	h-index	g-index

13	13	13	64
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Recent developments towards enhancing process safety: Inherent safety and cognitive engineering. Computers and Chemical Engineering, 2019, 128, 364-383.	3.8	42
2	Dynamic assessment of control room operator's cognitive workload using Electroencephalography (EEG). Computers and Chemical Engineering, 2020, 141, 106726.	3.8	31
3	Electroencephalography (EEG) based cognitive measures for evaluating the effectiveness of operator training. Chemical Engineering Research and Design, 2021, 150, 51-67.	5.6	25
4	Toward Preventing Accidents in Process Industries by Inferring the Cognitive State of Control Room Operators through Eye Tracking. ACS Sustainable Chemistry and Engineering, 2018, 6, 2517-2528.	6.7	21
5	Simulator based performance metrics to estimate reliability of control room operators. Journal of Loss Prevention in the Process Industries, 2018, 56, 524-530.	3.3	16
6	Metrics for objectively assessing operator training using eye gaze patterns. Chemical Engineering Research and Design, 2021, 156, 508-520.	5.6	14
7	Review of Virtual Reality (VR) Applications To Enhance Chemical Safety: From Students to Plant Operators. Journal of Chemical Health and Safety, 2022, 29, 246-262.	2.1	9
8	Towards Obviating Human Errors in Real-time through Eye Tracking. Computer Aided Chemical Engineering, 2018, , 1189-1194.	0.5	7
9	Electroencephalogram based Biomarkers for Tracking the Cognitive Workload of Operators in Process Industries. Computer Aided Chemical Engineering, 2019, 46, 1393-1398.	0.5	2
10	HMM-based models of control room operator's cognition during process abnormalities. 1. Formalism and model identification. Journal of Loss Prevention in the Process Industries, 2022, 76, 104748.	3.3	2
11	HMM-based models of control room operator's cognition during process abnormalities. 2. Application to operator training. Journal of Loss Prevention in the Process Industries, 2022, 76, 104749.	3.3	2
12	Human factors in digitalized process operations. Methods in Chemical Process Safety, 2022, , 417-459.	1.0	2
13	A Novel Experimental Strategy for Validating Human Failure Probabilities in Risk Assessment. Computer Aided Chemical Engineering, 2016, , 1983-1988.	0.5	1