Kok Weng Ng

List of Publications by Year
in descending order

25 papers	107 citations	1684188 5 h-index	1720034 7 g-index
28 all docs	28 docs citations	28 times ranked	65 citing authors

#	Article	IF	Citations
1	A parallel spatiotemporal saliency and discriminative online learning method for visual target tracking in aerial videos. PLoS ONE, 2018, 13, e0192246.	2.5	13
2	Retrieval System for Patent Images. Procedia Technology, 2013, 11, 912-918.	1.1	11
3	Minimum-time motion planning for a robot arm using the Bees Algorithm. , 2009, , .		10
4	Combining the Bees Algorithm and shape grammar to generate branded product concepts. Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2013, 227, 1860-1873.	2.4	10
5	Investigation of Threading Building Blocks Framework on Real Time Visual Object Tracking Algorithm. Applied Mechanics and Materials, 0, 666, 240-244.	0.2	10
6	Simulations of PCB Assembly Optimisation Based on the Bees Algorithm with TRIZ-Inspired Operators. Lecture Notes in Computer Science, 2013, , 335-346.	1.3	7
7	An Engineering Design Support Tool Based on TRIZ. Lecture Notes in Computer Science, 2013, , 115-127.	1.3	6
8	TRIZ-inspired Asymmetrical Search Neighborhood in the Bees Algorithm. , 2012, , .		5
9	Action Key Frames Extraction Using L1-Norm and Accumulative Optical Flow for Compact Video Shot Summarisation. Lecture Notes in Computer Science, 2017, , 364-375.	1.3	4
10	A critical analysis of current engineering design methodologies from a decision making perspective. , 2006, , 369-374.		3
11	Enhancing an Automated Inspection System on Printed Circuit Boards Using Affine-SIFT and TRIZ Techniques. Lecture Notes in Computer Science, 2013, , 128-137.	1.3	3
12	Using TRIZ to Generate Ideas to Solve the Problem of the Shortage of ICT Workers. Applied Mechanics and Materials, 0, 564, 733-739.	0.2	3
13	AN IMPROVED ACTION KEY FRAMES EXTRACTION ALGORITHM FOR COMPLEX COLOUR VIDEO SHOT SUMMARIZATION. Journal of Information and Communication Technology, 2019, 18, 143-166.	0.4	3
14	PCB assembly optimisation using the Bees Algorithm enhanced with TRIZ operators. , 2010, , .		2
15	Verifying Innovative Solutions of TRIZ Engineering Contradiction Matrix Using Substance-Field Analysis in Manufacturing. Applied Mechanics and Materials, 0, 761, 196-201.	0.2	2
16	Applying TRIZ to Support Designers in a Descriptive Design Framework. , 2009, , .		1
17	Enhancing calculus learning via a student-centred web project. AIP Conference Proceedings, 2016, , .	0.4	1
18	Passive Object-based Video Authentication Using Stereo Statistical Descriptor on Wavelet Decomposition. , 2021, , .		1

#	Article	IF	Citations
19	Improving Queuing System with Limited Resources using TRIZ and Arena Simulation. International Journal of Innovative Technology and Exploring Engineering, 2020, 9, 911-919.	0.3	1
20	A Framework for Sustainable Eco-Friendly Product Development Based on TRIZ. Lecture Notes in Computer Science, 2019, , 704-712.	1.3	1
21	Combining ARIZ with Shape Grammars to Support Designers. Lecture Notes in Computer Science, 2019, , 305-317.	1.3	1
22	Sustainable Product Innovation Using Patent Mining and TRIZ. Lecture Notes in Computer Science, 2021, , 287-298.	1.3	1
23	A Conceptual Design Framework based on TRIZ Scientific Effects and Patent Mining. International Journal of Advanced Computer Science and Applications, 2021, 12, .	0.7	1
24	A Review of Metaheuristic-Based Product Concept Generation Systems. Advanced Materials Research, 0, 383-390, 4594-4602.	0.3	0
25	The Design of a Novel Torque Wrench Based on TRIZ Decision Procedures. Advances in Intelligent Systems and Computing, 2021, , 548-559.	0.6	0