Wen-Yi Lin

List of Publications by Year
in descending order

29 papers	569 citations	840776 11 h-index	642732 23 g-index
29 all docs	29 docs citations	29 times ranked	317 citing authors

#	Article	IF	Citations
1	A GA–DE hybrid evolutionary algorithm for path synthesis of four-bar linkage. Mechanism and Machine Theory, 2010, 45, 1096-1107.	4.5	139
2	Free vibration analysis of rotating Euler beams at high angular velocity. Computers and Structures, 2010, 88, 991-1001.	4.4	82
3	A co-rotational formulation for thin-walled beams with monosymmetric open section. Computer Methods in Applied Mechanics and Engineering, 2000, 190, 1163-1185.	6.6	44
4	Co-rotational finite element formulation for thin-walled beams with generic open section. Computer Methods in Applied Mechanics and Engineering, 2006, 195, 2334-2370.	6.6	38
5	A co-rotational finite element formulation for buckling and postbuckling analyses of spatial beams. Computer Methods in Applied Mechanics and Engineering, 2000, 188, 567-594.	6.6	35
6	Co-rotational formulation for geometric nonlinear analysis of doubly symmetric thin-walled beams. Computer Methods in Applied Mechanics and Engineering, 2001, 190, 6023-6052.	6.6	32
7	A new differential evolution algorithm with a combined mutation strategy for optimum synthesis of path-generating four-bar mechanisms. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 2690-2705.	2.1	28
8	Investigation on steady state deformation and free vibration of a rotating inclined Euler beam. International Journal of Mechanical Sciences, 2011, 53, 1050-1068.	6.7	18
9	Investigation of the friction effect at pin joints for the five-point double-toggle clamping mechanisms of injection molding machines. International Journal of Mechanical Sciences, 2003, 45, 1913-1927.	6.7	15
10	Study on improvements of the five-point double-toggle mould clamping mechanism. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2004, 218, 761-774.	2.1	14
11	Optimum Synthesis of Planar Mechanisms for Path Generation Based on a Combined Discrete Fourier Descriptor. Journal of Mechanisms and Robotics, 2015, 7, .	2.2	14
12	Cuckoo search and teaching–learning-based optimization algorithms for optimum synthesis of path-generating four-bar mechanisms. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2017, 40, 66-74.	1.1	14
13	Optimum Path Synthesis of a Geared Five-Bar Mechanism. Advances in Mechanical Engineering, 2013, 5, 757935.	1.6	13
14	Dimensional synthesis of a five-point double-toggle mould clamping mechanism using a genetic algorithm–differential evolution hybrid algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2010, 224, 1305-1313.	2.1	12
15	More general expression for the torsional warping of a thin-walled open-section beam. International Journal of Mechanical Sciences, 2003, 45, 831-849.	6.7	10
16	A Case Study of the Five-Point Double-Toggle Mould Clamping Mechanism. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2006, 220, 527-535.	2.1	10
17	Optimization of scale-rotation-translation synthesis after shape synthesis for path generation of planar mechanisms. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2014, 37, 497-505.	1.1	10
18	Optimum design of rolling element bearings using a genetic algorithm–differential evolution (GA–DE) hybrid algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2011, 225, 714-721.	2.1	7

#	Article	IF	Citations
19	Optimum path synthesis of a four-link mechanism with rolling contacts. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2012, 226, 544-551.	2.1	5
20	Optimum variable input speed for kinematic performance of Geneva mechanisms using teaching-learning-based optimization algorithm. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 1871-1883.	2.1	5
21	A buckling and postbuckling analysis of axially loaded thin-walled beams with point-symmetric open section using corotational finite element formulation. Thin-Walled Structures, 2018, 124, 558-573.	5.3	5
22	A Corotational Finite Element Method Combined with Floating Frame Method for Large Steady-State Deformation and Free Vibration Analysis of a Rotating-Inclined Beam. Mathematical Problems in Engineering, 2011, 2011, 1-29.	1.1	4
23	A new indexing motion program for optimum designs of Geneva mechanisms with curved slots. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2017, 231, 3974-3986.	2.1	4
24	Discussion on several forms of kinematic performance and some suggestions for the paper by Heidari etÂal.: An improved Geneva mechanism for optimal kinematic performance, published in Journal of Mechanical Engineering Science, 226(6), 1517â€"1525, 2012. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2015, 229, 1918-1919.	2.1	3
25	Optimum synthesis of a 10-link gripping mechanism using new grasping indices. Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers,Series A/Chung-kuo Kung Ch'eng Hsuch K'an, 2016, 39, 809-815.	1.1	3
26	Optimum design of involute tooth profiles for K-H-V planetary drives with small teeth number differences. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2019, 13, JAMDSM0007-JAMDSM0007.	0.7	3
27	Discussion on the constraint for circuit defect rectification for the paper by Singh et al.: Defect-free optimal synthesis of crank-rocker linkage using nature-inspired optimization algorithms, published in Mech. Mach. Theory, 116 (2017) 105â€"122. Mechanism and Machine Theory, 2017, 116, 465-466.	4.5	1
28	Optimum shape synthesis of path generating mechanisms using wavelet descriptors. Journal of Advanced Mechanical Design, Systems and Manufacturing, 2019, 13, JAMDSM0012-JAMDSM0012.	0.7	1
29	Discussion of Hwang and Chen's constraint equations to eliminate order, circuit and branch defects for the paper: Defect-free synthesis of Stephenson-III motion generators, published in Journal of Mechanical Engineering Science, 2008; 222: 2485â€"2494. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2020, 234, 1130-1134.	2.1	0