Seyed Mohammad Mirjalili

List of Publications by Year
in descending order

36 papers	**19,388** citations	471061 **17** h-index	377514 **34** g-index
36 all docs	**36** docs citations	**36** times ranked	**9257** citing authors

#	Article	IF	Citations
1	A conditional opposition-based particle swarm optimisation for feature selection. Connection Science, 2022, 34, 339-361.	1.8	10
2	An effective multi-objective artificial hummingbird algorithm with dynamic elimination-based crowding distance for solving engineering design problems. Computer Methods in Applied Mechanics and Engineering, 2022, 398, 115223.	3.4	53
3	Sine Cosine Algorithm: Theory, Literature Review, and Application in Designing Bend Photonic Crystal Waveguides. Studies in Computational Intelligence, 2020, , 201-217.	0.7	44
4	Whale Optimization Algorithm: Theory, Literature Review, and Application in Designing Photonic Crystal Filters. Studies in Computational Intelligence, 2020, , 219-238.	0.7	51
5	Optimal Design of Mid-Infrared Reflective Optical Modulators Based on Electrically Tunable Metasurface. , 2020, , .		0
6	Design optimization of orbital angular momentum fibers using the gray wolf optimizer. Applied Optics, 2020, 59, 6181.	0.9	1
7	Radiation pattern design of photonic crystal LED optimized by using multi-objective grey wolf optimizer. Photonic Network Communications, 2019, 38, 167-176.	1.4	5
8	Electronic and transport properties of zigzag carbon nanotubes with the presence of periodical antidot and boron/nitride doping defects. Semiconductor Science and Technology, 2018, 33, 065015.	1.0	2
9	Optimal Design of Large Mode Area Photonic Crystal Fibers Using a Multiobjective Gray Wolf Optimization Technique. Journal of Lightwave Technology, 2018, 36, 5626-5632.	2.7	15
10	Multi-objective optimization framework for designing photonic crystal sensors. Applied Optics, 2018, 57, 1950.	0.9	11
11	Design optimisation of a waveguide-based LP 01 –LP 0m mode converter by using artificial intelligence technique. Electronics Letters, 2018, 54, 703-705.	0.5	9
12	Single-objective optimization framework for designing photonic crystal filters. Neural Computing and Applications, 2017, 28, 1463-1469.	3.2	13
13	Salp Swarm Algorithm: A bio-inspired optimizer for engineering design problems. Advances in Engineering Software, 2017, 114, 163-191.	1.8	3,369
14	Multi-objective versus single-objective optimization frameworks for designing photonic crystal filters. Applied Optics, 2017, 56, 9444.	0.9	13
15	Multi-objective grey wolf optimizer: A novel algorithm for multi-criterion optimization. Expert Systems With Applications, 2016, 47, 106-119.	4.4	1,080
16	Asymmetric Oval-Shaped-Hole Photonic Crystal Waveguide Design by Artificial Intelligence Optimizers. IEEE Journal of Selected Topics in Quantum Electronics, 2016, 22, 258-264.	1.9	18
17	Multi-Verse Optimizer: a nature-inspired algorithm for global optimization. Neural Computing and Applications, 2016, 27, 495-513.	3.2	1,910
18	Evolutionary population dynamics and grey wolf optimizer. Neural Computing and Applications, 2015, 26, 1257-1263.	3.2	277

#	Article	IF	Citations
19	Issues when designing hypoellipse photonic crystal waveguides. Infrared Physics and Technology, 2015, 69, 62-67.	1.3	12
20	Designing evolutionary feedforward neural networks using social spider optimization algorithm. Neural Computing and Applications, 2015, 26, 1919-1928.	3.2	49
21	How to design photonic crystal LEDs with artificial intelligence techniques. Electronics Letters, 2015, 51, 1437-1439.	0.5	12
22	Full Optimizer for Designing Photonic Crystal Waveguides: IMoMIR Framework. IEEE Photonics Technology Letters, 2015, 27, 1776-1779.	1.3	17
23	A two-objective optimization scheme for high-OSNR and low-power-consuming all-optical networks. Optical Fiber Technology, 2015, 21, 115-121.	1.4	6
24	Slow light performance enhancement of Bragg slot photonic crystal waveguide with particle swarm optimization algorithm. Optics Communications, 2015, 339, 7-13.	1.0	16
25	Ellipse-ring-shaped-hole photonic crystal waveguide. Optik, 2015, 126, 56-60.	1.4	11
26	Let a biogeography-based optimizer train your Multi-Layer Perceptron. Information Sciences, 2014, 269, 188-209.	4.0	263
27	Unit Cell Topology Optimization of Line Defect Photonic Crystal Waveguide. Procedia Technology, 2014, 12, 174-179.	1.1	19
28	Chaotic Krill Herd Optimization Algorithm. Procedia Technology, 2014, 12, 180-185.	1.1	82
29	A Novel Multi-Objective Optimization Framework for Designing Photonic Crystal Waveguides. IEEE Photonics Technology Letters, 2014, 26, 146-149.	1.3	26
30	Oval-Shaped-Hole Photonic Crystal Waveguide Design by MoMIR Framework. IEEE Photonics Technology Letters, 2014, 26, 2446-2449.	1.3	10
31	Grey Wolf Optimizer. Advances in Engineering Software, 2014, 69, 46-61.	1.8	11,382
32	A tri-objective Particle Swarm Optimizer for designing line defect Photonic Crystal Waveguides. Photonics and Nanostructures - Fundamentals and Applications, 2014, 12, 152-163.	1.0	21
33	SoMIR framework for designing high-NDBP photonic crystal waveguides. Applied Optics, 2014, 53, 3945.	0.9	18
34	Binary bat algorithm. Neural Computing and Applications, 2014, 25, 663-681.	3.2	507
35	Optical buffer performance enhancement using Particle Swarm Optimization in Ring-Shape-Hole Photonic Crystal Waveguide. Optik, 2013, 124, 5989-5993.	1.4	43
36	Light property and optical buffer performance enhancement using Particle Swarm Optimization in Oblique Ring-Shape-Hole Photonic Crystal Waveguide. , 2012, , .		13