Abdurrahim Toktas

List of Publications by Year in Descending Order

47 papers	476 citations	12 h-index	20 g-index
65 ext. papers	744 ext. citations	2.4 avg, IF	4.81 L-index

#	Paper	IF	Citations
47	2D e□map for image encryption. *Information Sciences*, **2022**, 589, 770-789	7.7	5
46	Modified artificial bee colony algorithm with differential evolution to enhance precision and convergence performance. *Expert Systems With Applications*, **2022**, 198, 116930	7.8	2
45	Multi-objective Optimization of Engineering Design Problems Through Pareto-Based Bat Algorithm. *Springer Tracts in Nature-inspired Computing*, **2021**, 19-43	1.8	3
44	A symbiotic organisms search algorithm-based design optimization of constrained multi-objective engineering design problems. *Engineering Computations*, **2021**, 38, 632-658	1.4	4
43	Introduction and Overview: Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications. *Springer Tracts in Nature-inspired Computing*, **2021**, 1-9	1.8	3
42	An image encryption scheme based on an optimal chaotic map derived by multi-objective optimization using ABC algorithm. *Nonlinear Dynamics*, **2021**, 105, 1885-1909	5	5
41	A Novel Euler Chaotic Map for Image Encryption **2021**,		1
40	Chaotic Map Optimization for Image Encryption Using Triple Objective Differential Evolution Algorithm. *IEEE Access*, **2021**, 9, 127814-127832	3.5	4
39	Multi-objective Design of Multilayer Microwave Dielectric Filters Using Artificial Bee Colony Algorithm. *Springer Tracts in Nature-inspired Computing*, **2021**, 357-372	1.8	2
38	Translational Motion Compensation for ISAR Images Through a Multicriteria Decision Using Surrogate-Based Optimization. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 4365-4374	8.1	9
37	Pioneer Pareto artificial bee colony algorithm for three-dimensional objective space optimization of composite-based layered radar absorber. *Applied Soft Computing Journal*, **2020**, 96, 106696	7.5	8
36	Global optimisation scheme based on triple-objective ABC algorithm for designing fully optimised multi-layer radar absorbing material. *IET Microwaves, Antennas and Propagation*, **2020**, 14, 800-811	1.6	7
35	A Triple-Objective Optimization Scheme Using Butterfly-Integrated ABC Algorithm for Design of Multilayer RAM. *IEEE Transactions on Antennas and Propagation*, **2020**, 68, 5602-5612	4.9	14
34	A neurocomputational model for estimating the triple-frequency of T-shaped patch antennas. *Microwave and Optical Technology Letters*, **2019**, 61, 1590-1597	1.2	0
33	A Hue-domain filtering technique for enhancing spatial sampled compressed sensing-based SAR images. *IET Radar, Sonar and Navigation*, **2019**, 13, 357-367	1.4	1
32	Deep neural network□based soft computing the resonant frequency of E□shaped patch antennas. *AEU - International Journal of Electronics and Communications*, **2019**, 102, 54-61	2.8	15
31	. *IEEE Transactions on Microwave Theory and Techniques*, **2019**, 67, 3318-3329	4.1	31

30	A Formulaic Model Calculating the Permittivity of Testing Materials Placed on a Circular Patch Antenna **2019**,		2
29	A compact reconfigurable ultra-wideband G-shaped printed antenna with band-notched characteristic. *Microwave and Optical Technology Letters*, **2019**, 61, 245-250	1.2	9
28	A study on visual features of leaves in plant identification using artificial intelligence techniques. *Computers and Electronics in Agriculture*, **2019**, 156, 369-377	6.5	31
27	Triangular quad-port multi-polarized UWB MIMO antenna with enhanced isolation using neutralization ring. *AEU - International Journal of Electronics and Communications*, **2018**, 85, 47-53	2.8	35
26	AUTOMATIC CLASSIFICATION OF AGRICULTURAL GRAINS: COMPARISON OF NEURAL NETWORKS. *Neural Network World*, **2018**, 28, 213-224	2.9	7
25	Optimally Synthesizing Multilayer Radar Absorbing Material (RAM) Using Artificial Bee Colony Algorithm **2018**,		3
24	WiFi Based Indoor Localization: Application and Comparison of Machine Learning Algorithms **2018**,		7
23	Grain Moisture Detection by Using A-Scan Radar Measurement **2018**,		4
22	Grain classifier with computer vision using adaptive neuro-fuzzy inference system. *Journal of the Science of Food and Agriculture*, **2017**, 97, 3994-4000	4.3	12
21	G-shaped band-notched ultra-wideband MIMO antenna system for mobile terminals. *IET Microwaves, Antennas and Propagation*, **2017**, 11, 718-725	1.6	38
20	Notch antenna analysis: An expression for calculation of the operating frequency. *Microwave and Optical Technology Letters*, **2017**, 59, 1309-1313	1.2	2
19	CFAR based morphological filter design to remove clutter from GB-SAR images: An application to real data. *Microwave and Optical Technology Letters*, **2017**, 59, 2685-2692	1.2	2
18	Computer vision-based method for classification of wheat grains using artificial neural network. *Journal of the Science of Food and Agriculture*, **2017**, 97, 2588-2593	4.3	41
17	Design of wideband orthogonal MIMO antenna with improved correlation using a parasitic element for mobile handsets. *International Journal of Microwave and Wireless Technologies*, **2016**, 8, 109-115	0.8	6
16	E EKLLYAMA ANTENLERN ALIMA FREKANSININ HESAPLANMASI N FARKLI RENME ALGORTMALARI LE ETLMBR YAPAY SNR ATASARIMI. *Uluda University Journal of the Faculty of Engineering*, **2016**, 21, 465-465	0.1	
15	Scalable Notch Antenna System for Multiport Applications. *International Journal of Antennas and Propagation*, **2016**, 2016, 1-8	1.2	2
14	Compact multiple-input multiple-output antenna with low correlation for ultra-wide-band applications. *IET Microwaves, Antennas and Propagation*, **2015**, 9, 822-829	1.6	45
13	A novel and simple expression to accurately calculate the resonant frequency of annular-ring microstrip antennas. *International Journal of Microwave and Wireless Technologies*, **2015**, 7, 727-733	0.8	3

12	Log-periodic dipole array-based MIMO antenna for the mobile handsets. *Journal of Electromagnetic Waves and Applications*, **2015**, 1-15	1.3	1
11	Wideband MIMO antenna with enhanced isolation for LTE, WiMAX and WLAN mobile handsets. *Electronics Letters*, **2014**, 50, 723-724	1.1	52
10	ANFIS model for determining resonant frequency of rectangular ring compact microstrip antennas. *International Journal of Applied Electromagnetics and Mechanics*, **2014**, 46, 483-490	0.4	1
9	A powerful method based on artificial bee colony algorithm for translational motion compensation of ISAR image. *Microwave and Optical Technology Letters*, **2014**, 56, 2691-2698	1.2	9
8	Calculating the dual-frequencies of equilateral triangular compact microstrip antennas with a shorting-pin. *Microwave and Optical Technology Letters*, **2013**, 55, 1227-1230	1.2	3
7	An Application of Artificial Neural Network to Compute the Resonant Frequency of E-Shaped Compact Microstrip Antennas. *Journal of Electrical Engineering*, **2013**, 64, 317-322	0.6	13
6	Selected Patents on Compact Microstrip Antennas. *Recent Patents on Electrical Engineering*, **2012**, 5, 1-10		1
5	Simple Formulas for Calculating Resonant Frequencies of C and H Shaped Compact Microstrip Antennas Obtained by Using Artificial Bee Colony Algorithm. *Journal of Electromagnetic Waves and Applications*, **2011**, 25, 1718-1729	1.3	20
4	Hyperparameter optimization of deep CNN classifier for plant species identification using artificial bee colony algorithm. *Journal of Ambient Intelligence and Humanized Computing*,1	3.7	4
3	2D fully chaotic map for image encryption constructed through a quadruple-objective optimization via artificial bee colony algorithm. *Neural Computing and Applications*,1	4.8	3
2	Microstrip-fed Triangular UWB Microstrip Antenna Based on DGS. *International Journal of Applied Mathematics Electronics and Computers*,43-43	0.2	1
1	An optimized surrogate model using differential evolution algorithm for computing parameters of antennas. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*,e2951	1	