

# Abdurrahim Toktas

## List of Publications by Year in descending order

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Version: 2024-02-01

65  
papers

955  
citations

516215

16  
h-index

500791

28  
g-index

65  
all docs

65  
docs citations

65  
times ranked

667  
citing authors

#	ARTICLE	IF	CITATIONS
1	Computer visionâ€based method for classification of wheat grains using artificial neural network. Journal of the Science of Food and Agriculture, 2017, 97, 2588-2593.	1.7	80
2	Compact multipleâ€input multipleâ€output antenna with low correlation for ultraâ€wideâ€band applications. IET Microwaves, Antennas and Propagation, 2015, 9, 822-829.	0.7	70
3	Câ€shaped bandâ€notched ultraâ€wideband MIMO antenna system for mobile terminals. IET Microwaves, Antennas and Propagation, 2017, 11, 718-725.	0.7	67
4	Wideband MIMO antenna with enhanced isolation for LTE, WiMAX and WLAN mobile handsets. Electronics Letters, 2014, 50, 723-724.	0.5	66
5	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.	1.7	64
6	A study on visual features of leaves in plant identification using artificial intelligence techniques. Computers and Electronics in Agriculture, 2019, 156, 369-377.	3.7	57
7	2D eâ€map for image encryption. Information Sciences, 2022, 589, 770-789.	4.0	54
8	Multi-Objective Design of Multi-Layer Radar Absorber Using Surrogate-Based Optimization. IEEE Transactions on Microwave Theory and Techniques, 2019, 67, 3318-3329.	2.9	51
9	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.	1.0	28
10	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.	3.1	28
11	2D fully chaotic map for image encryption constructed through a quadruple-objective optimization via artificial bee colony algorithm. Neural Computing and Applications, 2022, 34, 4295-4319.	3.2	26
12	Deep neural networkâ€based soft computing the resonant frequency of Eâ€shaped patch antennas. AEU - International Journal of Electronics and Communications, 2019, 102, 54-61.	1.7	25
13	WiFi Based Indoor Localization: Application and Comparison of Machine Learning Algorithms. , 2018, , .		22
14	An image encryption scheme based on an optimal chaotic map derived by multi-objective optimization using ABC algorithm. Nonlinear Dynamics, 2021, 105, 1885-1909.	2.7	22
15	An image encryption scheme based on chaotic logarithmic map and key generation using deep CNN. Multimedia Tools and Applications, 2022, 81, 7365-7391.	2.6	20
16	Grain classifier with computer vision using adaptive neuroâ€fuzzy inference system. Journal of the Science of Food and Agriculture, 2017, 97, 3994-4000.	1.7	19
17	A compact reconfigurable ultraâ€wideband Câ€shaped printed antenna with bandâ€notched characteristic. Microwave and Optical Technology Letters, 2019, 61, 245-250.	0.9	19
18	Chaotic Map Optimization for Image Encryption Using Triple Objective Differential Evolution Algorithm. IEEE Access, 2021, 9, 127814-127832.	2.6	19

#	ARTICLE	IF	CITATIONS
19	An Application of Artificial Neural Network to Compute the Resonant Frequency of E-shaped Compact Microstrip Antennas. <i>Journal of Electrical Engineering</i> , 2013, 64, 317-322.	0.4	18
20	Translational Motion Compensation for ISAR Images Through a Multicriteria Decision Using Surrogate-Based Optimization. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4365-4374.	2.7	17
21	Pioneer Pareto artificial bee colony algorithm for three-dimensional objective space optimization of composite-based layered radar absorber. <i>Applied Soft Computing Journal</i> , 2020, 96, 106696.	4.1	14
22	Global optimisation scheme based on triple-objective ABC algorithm for designing fully optimised multi-layer radar absorbing material. <i>IET Microwaves, Antennas and Propagation</i> , 2020, 14, 800-811.	0.7	14
23	Hyperparameter optimization of deep CNN classifier for plant species identification using artificial bee colony algorithm. <i>Journal of Ambient Intelligence and Humanized Computing</i> , 2023, 14, 8827-8838.	3.3	13
24	A powerful method based on artificial bee colony algorithm for translational motion compensation of ISAR image. <i>Microwave and Optical Technology Letters</i> , 2014, 56, 2691-2698.	0.9	10
25	Modified artificial bee colony algorithm with differential evolution to enhance precision and convergence performance. <i>Expert Systems With Applications</i> , 2022, 198, 116930.	4.4	10
26	Design of wideband orthogonal MIMO antenna with improved correlation using a parasitic element for mobile handsets. <i>International Journal of Microwave and Wireless Technologies</i> , 2016, 8, 109-115.	1.5	9
27	Thingspeak Based Monitoring IoT System for Counting People in A Library. , 2018, , .		9
28	AUTOMATIC CLASSIFICATION OF AGRICULTURAL GRAINS: COMPARISON OF NEURAL NETWORKS. <i>Neural Network World</i> , 2018, 28, 213-224.	0.5	9
29	Optimally Synthesizing Multilayer Radar Absorbing Material (RAM) Using Artificial Bee Colony Algorithm. , 2018, , .		8
30	Introduction and Overview: Nature-Inspired Metaheuristic Algorithms for Engineering Optimization Applications. <i>Springer Tracts in Nature-inspired Computing</i> , 2021, , 1-9.	1.2	8
31	A novel and simple expression to accurately calculate the resonant frequency of annular-ring microstrip antennas. <i>International Journal of Microwave and Wireless Technologies</i> , 2015, 7, 727-733.	1.5	7
32	Multi-objective Optimization of Engineering Design Problems Through Pareto-Based Bat Algorithm. <i>Springer Tracts in Nature-inspired Computing</i> , 2021, , 19-43.	1.2	7
33	Grain Moisture Detection by Using A-Scan Radar Measurement. , 2018, , .		6
34	ABC Algorithm-based Optimization and Evaluation of Nano Carbon Black Added Multi-Layer Microwave Absorbing Ultra Weight Foam Concrete. <i>Materials Today Communications</i> , 2022, , 104035.	0.9	6
35	Scalable Notch Antenna System for Multiport Applications. <i>International Journal of Antennas and Propagation</i> , 2016, 2016, 1-8.	0.7	5
36	A symbiotic organisms search algorithm-based design optimization of constrained multi-objective engineering design problems. <i>Engineering Computations</i> , 2021, 38, 632-658.	0.7	5

#	ARTICLE	IF	CITATIONS
37	Calculating the dual frequencies of equilateral triangular compact microstrip antennas with a shorting pin. Microwave and Optical Technology Letters, 2013, 55, 1227-1230.	0.9	4
38	Design of a Dual Polarized mmWave Horn Antenna Using Decoupled Microstrip Line Feeder. , 2020, , .		4
39	ANFIS model for determining resonant frequency of rectangular ring compact microstrip antennas. International Journal of Applied Electromagnetics and Mechanics, 2014, 46, 483-490.	0.3	3
40	Log-periodic dipole array-based MIMO antenna for the mobile handsets. Journal of Electromagnetic Waves and Applications, 0, , 1-15.	1.0	3
41	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.	0.9	3
42	An UWB Antenna Design Having Band-Reject Characteristic by Y-Shaped Strip. , 2018, , .		3
43	A Hue domain filtering technique for enhancing spatial sampled compressed sensing based SAR images. IET Radar, Sonar and Navigation, 2019, 13, 357-367.	0.9	3
44	Multi-objective Design of Multilayer Microwave Dielectric Filters Using Artificial Bee Colony Algorithm. Springer Tracts in Nature-inspired Computing, 2021, , 357-372.	1.2	3
45	Notch antenna analysis: An expression for calculation of the operating frequency. Microwave and Optical Technology Letters, 2017, 59, 1309-1313.	0.9	2
46	A neurocomputational model for estimating the triple frequency of T shaped patch antennas. Microwave and Optical Technology Letters, 2019, 61, 1590-1597.	0.9	2
47	A Formulaic Model Calculating the Permittivity of Testing Materials Placed on a Circular Patch Antenna. , 2019, , .		2
48	Microstrip-fed Triangular UWB Microstrip Antenna Based on DGS. International Journal of Applied Mathematics Electronics and Computers, 0, , 43-43.	0.6	2
49	A New Pi-based Chaotic Map for Image Encryption. , 2021, , .		2
50	Selected Patents on Compact Microstrip Antennas. Recent Patents on Electrical Engineering, 2012, 5, 1-10.	0.4	1
51	Millimetre wave isar imaging technique based on sparse aperture data collection. , 2017, , .		1
52	Design of Quad-port Circular MIMO Antenna With Isolation Improved by Shorting Walls. , 2019, , .		1
53	Determination of Feed Point by Surrogate Model Based on Radial Basis Function for Rectangular Microstrip Antennas. , 2019, , .		1
54	A Novel Euler Chaotic Map for Image Encryption. , 2021, , .		1

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55	Equivalent Circuit Modelling of an L-shaped Patch Antenna by Optimizing the Lumped Elements Using Differential Evolution Algorithm. International Journal of Intelligent Systems and Applications in Engineering, 2017, 4, 216-221.	1.0	1
56	Triangular Aperture UWB Antenna with Dual Band-Notched Characteristic for WLAN Bands. , 2021, , .		1
57	A generalized formula in calculation of the resonant frequency of notch antenna. , 2017, , .		0
58	Reconfigurable Band-Notched Compact C-shaped Printed Antenna for UWB Applications. , 2018, , .		0
59	GPR Image Focusing Using Matched Filter Algorithm. , 2018, , .		0
60	Dual-element MIMO Inverted-F Antenna for Mobile Devices. , 2020, , .		0
61	An optimized surrogate model using differential evolution algorithm for computing parameters of antennas. International Journal of Numerical Modelling: Electronic Networks, Devices and Fields, 0, , e2951.	1.2	0
62	E ĞEKÄ°LLÄ° YAMA ANTENLERÄ°N ĞALIĞMA FREKANSININ HESAPLANMASI ĞĞĞ°N FARKLI ĞĞRENME ALGORĞTMALARI ĞLE EĞBÄ°R YAPAY SÄ°NÄ°R AĞI TASARIMI. Uludağ University Journal of the Faculty of Engineering, 2016, 21, 465-465.	0.2	0
63	Adaptive Flower Pollination Algorithm Based on Spatial Dispersal. , 2020, , .		0
64	Circularly Polarized Triangular Patch Antenna. Recent Advances in Electrical and Electronic Engineering, 2022, 15, .	0.2	0
65	Design Optimization of Multilayer Microwave Filter Using Differential Evolution Algorithm. , 2022, , .		0