Nurhan Karaboga

List of Publications by Citations

44 papers	**2,303** citations	**17** h-index	**47** g-index
55 ext. papers	**2,624** ext. citations	**3.7** avg, IF	**5.57** L-index

#	Paper	IF	Citations
44	A comprehensive survey: artificial bee colony (ABC) algorithm and applications. *Artificial Intelligence Review*, **2014**, 42, 21-57	9.7	1045
43	A new design method based on artificial bee colony algorithm for digital IIR filters. *Journal of the Franklin Institute*, **2009**, 346, 328-348	4	416
42	Artificial bee colony programming for symbolic regression. *Information Sciences*, **2012**, 209, 1-15	7.7	122
41	Design of Digital FIR Filters Using Differential Evolution Algorithm. *Circuits, Systems, and Signal Processing*, **2006**, 25, 649-660	2.2	102
40	Digital IIR Filter Design Using Differential Evolution Algorithm. *Eurasip Journal on Advances in Signal Processing*, **2005**, 2005, 1	1.9	101
39	Designing digital IIR filters using ant colony optimisation algorithm. *Engineering Applications of Artificial Intelligence*, **2004**, 17, 301-309	7.2	94
38	Artificial immune algorithm for IIR filter design. *Engineering Applications of Artificial Intelligence*, **2005**, 18, 919-929	7.2	83
37	Null steering of linear antenna arrays with use of modified touring ant colony optimization algorithm. *International Journal of RF and Microwave Computer-Aided Engineering*, **2002**, 12, 375-383	1.5	41
36	Simple and accurate effective side length expression obtained by using a modified genetic algorithm for the resonant frequency of an equilateral triangular microstrip antenna. *International Journal of Electronics*, **1997**, 83, 99-108	1.2	29
35	Elimination of noise on transcranial Doppler signal using IIR filters designed with artificial bee colony ⬛ABC-algorithm **2013**, 23, 1051-1058		28
34	A new method for adaptive IIR filter design based on tabu search algorithm. *AEU - International Journal of Electronics and Communications*, **2005**, 59, 111-117	2.8	26
33	The parameter extraction of the thermally annealed Schottky barrier diode using the modified artificial bee colony. *Applied Intelligence*, **2013**, 38, 279-288	4.9	25
32	A novel 2D-ABC adaptive filter algorithm: A comparative study **2015**, 40, 140-153		22
31	Adaptive filtering noisy transcranial Doppler signal by using artificial bee colony algorithm. *Engineering Applications of Artificial Intelligence*, **2013**, 26, 677-684	7.2	21
30	The design approaches of two-dimensional digital filters based on metaheuristic optimization algorithms: a review of the literature. *Artificial Intelligence Review*, **2015**, 44, 265-287	9.7	19
29	Performance Comparison of Genetic and Differential Evolution Algorithms for Digital FIR Filter Design. *Lecture Notes in Computer Science*, **2004**, 482-488	0.9	19
28	A new effective patch radius expression obtained by using a modified tabu search algorithm for the resonant frequency of electrically thick circular microstrip antennae. *International Journal of Electronics*, **1999**, 86, 825-835	1.2	19

27	Medical Image Denoising Using Metaheuristics. *Studies in Computational Intelligence*, **2017**, 155-169	0.8	9
26	Image denoising with 2-D FIR filter by using artificial bee colony algorithm **2012**,		9
25	A review on the cosine modulated filter bank studies using meta-heuristic optimization algorithms. *Artificial Intelligence Review*, **2019**, 52, 1629-1653	9.7	9
24	Quadrature Mirror Filter Bank Design for Mitral Valve Doppler Signal Using Artificial Bee Colony Algorithm. *Elektronika Ir Elektrotechnika*, **2017**, 23,	1.7	8
23	Evolutionary algorithms for sparse signal reconstruction. *Signal, Image and Video Processing*, **2019**, 13, 1293-1301	1.6	6
22	Parameter determination of the Schottky barrier diode using by artificial bee colony algorithm **2011**,		6
21	Parameter tuning of artificial bee colony algorithm for Gaussian noise elimination on digital images **2013**,		4
20	Further performance analysis of the generalized MC DS-CDMA system in Nakagami-m fading channels. *Computers and Electrical Engineering*, **2009**, 35, 1-8	4.3	4
19	**2017**,		4
18	Aort valve Doppler signal noise elimination using IIR filter designed with ABC algorithm **2012**,		3
17	Efficient Design of Fixed Point Digital FIR Filters by Using Differential Evolution Algorithm. *Lecture Notes in Computer Science*, **2005**, 812-819	0.9	3
16	Adaptive FIR Filtering Using ABC Algorithm: a Noise Reduction Application on Mitral Valve Doppler Signal. *Elektronika Ir Elektrotechnika*, **2018**, 24,	1.7	3
15	Noise cancellation application of ECG signal using artificial bee colony algorithm **2016**,		2
14	Comparison of QMF bank designs in frequency and time domain using ABC algorithm **2017**,		2
13	A parallel tabu search algorithm for digital filter design. *COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering*, **2005**, 24, 1284-1298	0.7	2
12	Examination of success of the finite impulse response digital filter designed using the bat algorithm **2018**,		1
11	The effect of the increase in the number of channels to the performance in the Cosine Modulated Filter Bank design **2018**,		1
10	Design of IIR filters by using differential evolution algorithm **2008**,		1

9   Noise Cancellation In Adaptive Filters With Diffrential Evolution Algorithm **2007**,   1

8   A survey on the studies employing machine learning (ML) for enhancing artificial bee colony (ABC) optimization algorithm. *Cogent Engineering*, **2020**, 7, 1855741   1.5   1

7   A novel sparse reconstruction method based on multi-objective Artificial Bee Colony algorithm. *Signal Processing*, **2021**, 189, 108283   4.4   1

6   Differential Evolution Algorithm for Designing Optimal Adaptive Linear Combiners. *Lecture Notes in Computer Science*, **2005**, 1063-1067   0.9   1

5   DİZGİN KOSİNİS MODİELİ SİZGEİ BANKALARI PENCERE FONKSİYONU TABANLI YENİBR KASKAT YİNTEM **2019**, 35, 403-418   0

4   A comparative study of multi-objective optimization algorithms for sparse signal reconstruction. *Artificial Intelligence Review*,1   9.7   0

3   Sparse signal reconstruction by swarm intelligence algorithms **2021**, 24, 319-330   0

2   Analysis of the Effects of Control Parameters Variation of ABC Algorithm Used in Filter Bank Design on the Performance **2019**, 76-79

1   Multi-objective Sparse Signal Reconstruction in Compressed Sensing. *Springer Tracts in Nature-inspired Computing*, **2021**, 373-396   1.8