

# Nurhan Karaboga

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Sparse signal reconstruction by swarm intelligence algorithms <b>2021</b> , 24, 319-330		0
43	A novel sparse reconstruction method based on multi-objective Artificial Bee Colony algorithm. <i>Signal Processing</i> , <b>2021</b> , 189, 108283	4.4	1
42	Multi-objective Sparse Signal Reconstruction in Compressed Sensing. <i>Springer Tracts in Nature-inspired Computing</i> , <b>2021</b> , 373-396	1.8	
41	A survey on the studies employing machine learning (ML) for enhancing artificial bee colony (ABC) optimization algorithm. <i>Cogent Engineering</i> , <b>2020</b> , 7, 1855741	1.5	1
40	Evolutionary algorithms for sparse signal reconstruction. <i>Signal, Image and Video Processing</i> , <b>2019</b> , 13, 1293-1301	1.6	6
39	DÜĞÜN KOSMOS MODELİNE GELİBANKALARI BENCERE FONKSİYONU TABANLI YENİ BİR KASKAT YÖNTEM <b>2019</b> , 35, 403-418		0
38	Analysis of the Effects of Control Parameters Variation of ABC Algorithm Used in Filter Bank Design on the Performance <b>2019</b> , 76-79		
37	A review on the cosine modulated filter bank studies using meta-heuristic optimization algorithms. <i>Artificial Intelligence Review</i> , <b>2019</b> , 52, 1629-1653	9.7	9
36	Examination of success of the finite impulse response digital filter designed using the bat algorithm <b>2018</b> ,		1
35	The effect of the increase in the number of channels to the performance in the Cosine Modulated Filter Bank design <b>2018</b> ,		1
34	Adaptive FIR Filtering Using ABC Algorithm: a Noise Reduction Application on Mitral Valve Doppler Signal. <i>Elektronika Ir Elektrotehnika</i> , <b>2018</b> , 24,	1.7	3
33	Medical Image Denoising Using Metaheuristics. <i>Studies in Computational Intelligence</i> , <b>2017</b> , 155-169	0.8	9
32	Comparison of QMF bank designs in frequency and time domain using ABC algorithm <b>2017</b> ,		2
31	<b>2017</b> ,		4
30	Quadrature Mirror Filter Bank Design for Mitral Valve Doppler Signal Using Artificial Bee Colony Algorithm. <i>Elektronika Ir Elektrotehnika</i> , <b>2017</b> , 23,	1.7	8
29	Noise cancellation application of ECG signal using artificial bee colony algorithm <b>2016</b> ,		2
28	A novel 2D-ABC adaptive filter algorithm: A comparative study <b>2015</b> , 40, 140-153		22

27	The design approaches of two-dimensional digital filters based on metaheuristic optimization algorithms: a review of the literature. <i>Artificial Intelligence Review</i> , <b>2015</b> , 44, 265-287	9.7	19
26	A comprehensive survey: artificial bee colony (ABC) algorithm and applications. <i>Artificial Intelligence Review</i> , <b>2014</b> , 42, 21-57	9.7	1045
25	The parameter extraction of the thermally annealed Schottky barrier diode using the modified artificial bee colony. <i>Applied Intelligence</i> , <b>2013</b> , 38, 279-288	4.9	25
24	Parameter tuning of artificial bee colony algorithm for Gaussian noise elimination on digital images <b>2013</b> ,		4
23	Adaptive filtering noisy transcranial Doppler signal by using artificial bee colony algorithm. <i>Engineering Applications of Artificial Intelligence</i> , <b>2013</b> , 26, 677-684	7.2	21
22	Elimination of noise on transcranial Doppler signal using IIR filters designed with artificial bee colony ABC-algorithm <b>2013</b> , 23, 1051-1058		28
21	Artificial bee colony programming for symbolic regression. <i>Information Sciences</i> , <b>2012</b> , 209, 1-15	7.7	122
20	Aort valve Doppler signal noise elimination using IIR filter designed with ABC algorithm <b>2012</b> ,		3
19	Image denoising with 2-D FIR filter by using artificial bee colony algorithm <b>2012</b> ,		9
18	Parameter determination of the Schottky barrier diode using by artificial bee colony algorithm <b>2011</b> ,		6
17	A new design method based on artificial bee colony algorithm for digital IIR filters. <i>Journal of the Franklin Institute</i> , <b>2009</b> , 346, 328-348	4	416
16	Further performance analysis of the generalized MC DS-CDMA system in Nakagami-m fading channels. <i>Computers and Electrical Engineering</i> , <b>2009</b> , 35, 1-8	4.3	4
15	Design of IIR filters by using differential evolution algorithm <b>2008</b> ,		1
14	Noise Cancellation In Adaptive Filters With Differential Evolution Algorithm <b>2007</b> ,		1
13	Design of Digital FIR Filters Using Differential Evolution Algorithm. <i>Circuits, Systems, and Signal Processing</i> , <b>2006</b> , 25, 649-660	2.2	102
12	Digital IIR Filter Design Using Differential Evolution Algorithm. <i>Eurasip Journal on Advances in Signal Processing</i> , <b>2005</b> , 2005, 1	1.9	101
11	A new method for adaptive IIR filter design based on tabu search algorithm. <i>AEU - International Journal of Electronics and Communications</i> , <b>2005</b> , 59, 111-117	2.8	26
10	Artificial immune algorithm for IIR filter design. <i>Engineering Applications of Artificial Intelligence</i> , <b>2005</b> , 18, 919-929	7.2	83

9	Efficient Design of Fixed Point Digital FIR Filters by Using Differential Evolution Algorithm. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 812-819	0.9	3
8	A parallel tabu search algorithm for digital filter design. <i>COMPEL - the International Journal for Computation and Mathematics in Electrical and Electronic Engineering</i> , <b>2005</b> , 24, 1284-1298	0.7	2
7	Differential Evolution Algorithm for Designing Optimal Adaptive Linear Combiners. <i>Lecture Notes in Computer Science</i> , <b>2005</b> , 1063-1067	0.9	1
6	Designing digital IIR filters using ant colony optimisation algorithm. <i>Engineering Applications of Artificial Intelligence</i> , <b>2004</b> , 17, 301-309	7.2	94
5	Performance Comparison of Genetic and Differential Evolution Algorithms for Digital FIR Filter Design. <i>Lecture Notes in Computer Science</i> , <b>2004</b> , 482-488	0.9	19
4	Null steering of linear antenna arrays with use of modified touring ant colony optimization algorithm. <i>International Journal of RF and Microwave Computer-Aided Engineering</i> , <b>2002</b> , 12, 375-383	1.5	41
3	A new effective patch radius expression obtained by using a modified tabu search algorithm for the resonant frequency of electrically thick circular microstrip antennae. <i>International Journal of Electronics</i> , <b>1999</b> , 86, 825-835	1.2	19
2	Simple and accurate effective side length expression obtained by using a modified genetic algorithm for the resonant frequency of an equilateral triangular microstrip antenna. <i>International Journal of Electronics</i> , <b>1997</b> , 83, 99-108	1.2	29
1	A comparative study of multi-objective optimization algorithms for sparse signal reconstruction. <i>Artificial Intelligence Review</i> , 1	9.7	0