

# Asım Egemen Yılmaz

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

360  
citations

759233

12  
h-index

888059

17  
g-index

53  
all docs

53  
docs citations

53  
times ranked

312  
citing authors

#	ARTICLE	IF	CITATIONS
1	PETOOOL v2.0: Parabolic Equation Toolbox with evaporation duct models and real environment data. Computer Physics Communications, 2020, 256, 107454.	7.5	30
2	A glass based dual band frequency selective surface for protecting systems against WLAN signals. AEU - International Journal of Electronics and Communications, 2017, 82, 426-434.	2.9	29
3	A particle swarm optimization approach for hexahedral mesh smoothing. International Journal for Numerical Methods in Fluids, 2009, 60, 55-78.	1.6	24
4	Multiobjective Hookeâ€“Jeeves algorithm with a stochastic Newtonâ€“Raphson-like step-size method. Expert Systems With Applications, 2019, 117, 166-175.	7.6	24
5	Extraction of Phenolic Compounds from Cornelian Cherry (Cornus mas L.) Using Microwave and Ohmic Heating Assisted Microwave Methods. Food and Bioprocess Technology, 2021, 14, 650-664.	4.7	24
6	Calculation of optimized parameters of rectangular microstrip patch antenna using particle swarm optimization. Microwave and Optical Technology Letters, 2007, 49, 2905-2907.	1.4	23
7	Effect of ohmic heating on ultrasound extraction of phenolic compounds from cornelian cherry (<i>Cornus mas</i>). Journal of Food Processing and Preservation, 2021, 45, e15818.	2.0	19
8	Minkowski-like fractal resonator-based dielectric sensor for estimating the complex permittivity of binary mixtures of ethanol, methanol and water. Sensors and Actuators A: Physical, 2021, 330, 112841.	4.1	19
9	Note-against-note two-voice counterpoint by means of fuzzy logic. Knowledge-Based Systems, 2010, 23, 256-266.	7.1	17
10	Distinguishing electronic devices using harmonic radar. , 2017, , .		15
11	Metamaterial-Based Four-Band Electromagnetic Energy Harvesting at Commonly Used GSM and Wi-Fi Frequencies. Journal of Electronic Materials, 2019, 48, 2307-2316.	2.2	15
12	Reduction of specific absorption rate with artificial magnetic conductors. International Journal of RF and Microwave Computer-Aided Engineering, 2016, 26, 349-354.	1.2	14
13	A dual-band polarization independent FSS having a transparent substrate for ISM and Wi-Fi shielding. Microwave and Optical Technology Letters, 2017, 59, 2249-2253.	1.4	13
14	Metamaterial-based sensor with a polycarbonate substrate for sensing the permittivity of alcoholic liquids in a WR-229 waveguide. Sensors and Actuators A: Physical, 2020, 312, 112139.	4.1	12
15	Four-band electromagnetic energy harvesting with a dual-layer metamaterial structure. International Journal of RF and Microwave Computer-Aided Engineering, 2019, 29, e21644.	1.2	11
16	Design, fabrication, and measurement of textileâ€“based frequency selective surfaces. Microwave and Optical Technology Letters, 2020, 62, 3444-3450.	1.4	9
17	Optically transparent frequency selective surface for ultrawideband applications. Microwave and Optical Technology Letters, 2017, 59, 3197-3201.	1.4	8
18	Optically transparent frequency selective surface for filtering 2.6 GHz LTE band. , 2017, , .		6

#	ARTICLE	IF	CITATIONS
19	Calculation of optimized parameters of rectangular patch antenna using gravitational search algorithm. , 2011, , .		5
20	PSO algorithms and GPGPU technique for electromagnetic problems. International Journal of Applied Electromagnetics and Mechanics, 2017, 53, S249-S259.	0.6	5
21	Hexagon shaped metamaterial-loaded antenna for Ku band applications. , 2015, , .		4
22	Reference point based distributed computing for multiobjective optimization. , 2015, , .		4
23	Hexagonal-shaped metamaterial energy harvester design. , 2016, , .		3
24	Dual-Band Double-Cylindrical-Ring 3D Frequency Selective Surface. ETRI Journal, 2017, 39, 69-75.	2.0	3
25	An equivalent-circuit model of miniaturized split-ring resonator. , 2017, , .		3
26	Comparison of Basic Frequency Selective Surface Design Methods for Optical Windows. IEEE Access, 2021, 9, 129855-129862.	4.2	3
27	Software product line development: A review on practical issues and challenges. , 2009, , .		2
28	Influences of Electromagnetic Theory on Modern Art. IEEE Antennas and Propagation Magazine, 2009, 51, 202-205.	1.4	2
29	Fuzzy logic based four-voice choral harmonization in traditional style. Journal of Intelligent and Fuzzy Systems, 2010, 21, 289-301.	1.4	2
30	Particle Swarm Optimization with social exclusion and its application in electromagnetics. , 2014, , .		2
31	Analyzing radar rainfall estimate errors with three vector norms: application to weather radar rainfall data in MuÅŸla, Turkey. Theoretical and Applied Climatology, 0, , 1.	2.8	2
32	Enhancement of Particle Swarm Optimization algorithms for the 3D crack reconstruction from ECT signals. , 2013, , .		1
33	PERFORMANCE COMPARISON OF VARIOUS HEXAHEDRAL ELEMENT QUALITY METRICS VIA PARAMETRIC DISTORTION OF AN IDEAL ELEMENT. International Journal of Computational Methods, 2013, 10, 1350017.	1.3	1
34	Natural Language Processing. International Journal of Systems and Service-Oriented Engineering, 2014, 4, 68-83.	0.6	1
35	Parametric analysis of different radii of concentric rings and substrates in frequency selective surfaces. , 2014, , .		1
36	Intelligent Particle Swarm Optimization of Superconducting Magnetic Energy Storage devices. , 2014, , .		1

#	ARTICLE	IF	CITATIONS
37	Improved non-Probabilistic Roadmap method for determination of shortest nautical navigation path. , 2017, , .		1
38	Conjunction of heuristic algorithms with multidimensional scaling for localization at wireless ad-hoc networks. , 2017, , .		1
39	Conformal dual-band frequency selective surface on Textile: Design, prototyping and experiment. , 2017, , .		1
40	Painting with words: one step beyond 'Paint by numbers'. , 2009, , .		0
41	Musical harmonization with words: Realizability, potential issues and challenges. , 2009, , .		0
42	Grassmann and His Contributions to Electromagnetics [Historical Corner]. IEEE Antennas and Propagation Magazine, 2010, 52, 186-193.	1.4	0
43	A compact five-band SLR type metamaterial. , 2012, , .		0
44	Influence of knitting techniques on ESD performances. , 2014, , .		0
45	A novel tunable metasurface for filtering the electromagnetic waves. , 2014, , .		0
46	Solving the frequency assignment problem by using meta-heuristic methods. , 2016, , .		0
47	Bandwidth enhancement of a horn antenna at X-band by using metamaterials. , 2016, , .		0
48	Multiobjective patch antenna design by using achievement scalarization function with nonlinear programming algorithm. , 2016, , .		0
49	Conversion from constitutive parameters to dispersive transmission line parameters for multi-band metamaterials. Waves in Random and Complex Media, 2016, 26, 211-223.	2.7	0
50	Ground Penetrating Radar Signal Enhancement by Surface Covering Method. , 2018, , .		0
51	A Desirability Function Approach to Evaluate a Wireless Network Communication Performance. , 2018, , .		0
52	A Random Modeling Approach for the Description of Underground Layers. , 2018, , .		0
53	Distributed approaches for reference-point-based multi-objective hybrid problems. Information Sciences, 2018, 467, 323-341.	6.9	0