

# Andjelija Å½ IliÄ

## List of Publications by Year in descending order

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39  
papers

259  
citations

1039880

9  
h-index

996849

15  
g-index

40  
all docs

40  
docs citations

40  
times ranked

218  
citing authors

#	ARTICLE	IF	CITATIONS
1	Higher Order Hybrid FEM-MoM Technique for Analysis of Antennas and Scatterers. IEEE Transactions on Antennas and Propagation, 2009, 57, 1452-1460.	3.1	44
2	Hematological parameters' changes in mice subchronically exposed to static magnetic fields of different orientations. Ecotoxicology and Environmental Safety, 2012, 81, 98-105.	2.9	32
3	Homogeneous static magnetic field of different orientation induces biological changes in subacutely exposed mice. Environmental Science and Pollution Research, 2016, 23, 1584-1597.	2.7	29
4	Continuously Inhomogeneous Higher Order Finite Elements for 3-D Electromagnetic Analysis. IEEE Transactions on Antennas and Propagation, 2009, 57, 2798-2803.	3.1	19
5	Subchronic exposure to static magnetic field differently affects zinc and copper content in murine organs. International Journal of Radiation Biology, 2016, 92, 140-147.	1.0	18
6	Design and Optimization of Electromagnets for Biomedical Experiments With Static Magnetic and ELF Electromagnetic Fields. IEEE Transactions on Industrial Electronics, 2018, 65, 4991-5000.	5.2	17
7	The Fractal and GLCM Textural Parameters of Chromatin May Be Potential Biomarkers of Papillary Thyroid Carcinoma in Hashimoto's Thyroiditis Specimens. Microscopy and Microanalysis, 2020, 26, 717-730.	0.2	12
8	Comparative Analysis of Methods for Isochronous Magnetic-Field Calculation. IEEE Transactions on Nuclear Science, 2008, 55, 3531-3538.	1.2	10
9	Method for Fine Magnet Shaping in Cyclotrons. IEEE Transactions on Nuclear Science, 2009, 56, 2821-2827.	1.2	10
10	Fractal analysis tools for early assessment of liver inflammation induced by chronic consumption of linseed, palm and sunflower oils. Biomedical Signal Processing and Control, 2020, 61, 101959.	3.5	7
11	Analytical Description of Two-Dimensional Magnetic Arrays Suitable for Biomedical Applications. IEEE Transactions on Magnetics, 2013, 49, 5656-5663.	1.2	6
12	Preliminary results of ion trajectory tracking in the acceleration region of the VINCY cyclotron. Nuclear Technology and Radiation Protection, 2006, 21, 29-33.	0.3	6
13	Morphological, fractal, and textural features for the blood cell classification: the case of acute myeloid leukemia. European Biophysics Journal, 2021, 50, 1111-1127.	1.2	6
14	Optimal Acceleration in Isochronous Straight Sector Cyclotrons. IEEE Transactions on Nuclear Science, 2009, 56, 1498-1506.	1.2	5
15	Higher-Order Frequency-Domain FEM Analysis of EM Scattering Off a Moving Dielectric Slab. IEEE Antennas and Wireless Propagation Letters, 2013, 12, 890-893.	2.4	5
16	Graphene-based waveguide resonators for submillimeter-wave applications. Journal Physics D: Applied Physics, 2016, 49, 325105.	1.3	5
17	Electromagnetic analysis of graphene based tunable waveguide resonators. Microwave and Optical Technology Letters, 2014, 56, 2385-2388.	0.9	3
18	Performance assessment for OAM antenna arrays. , 2019, , .		3

#	ARTICLE	IF	CITATIONS
19	Performance Analysis of Low-Cost Printed Antenna Array Elements for 5G LOS-MIMO Arrays at 60ÅGHz. Wireless Personal Communications, 2020, 111, 2641-2658.	1.8	3
20	Constant Speed Parametrization Mapping of Curved Boundary Surfaces in Higher-Order Moment-Method Electromagnetic Modeling. IEEE Antennas and Wireless Propagation Letters, 2011, 10, 1457-1460.	2.4	2
21	Minimization of the measurement errors induced by the cyclotron magnetic field measurement system. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2012, 679, 54-60.	0.7	2
22	Role and Significance of Uniform Distribution in a Study of Ensemble of Particles. IEEE Transactions on Nuclear Science, 2013, 60, 236-245.	1.2	2
23	Ion Beam Acceleration With Radio Frequency Powered Rainbow Lens. IEEE Transactions on Nuclear Science, 2013, 60, 1272-1279.	1.2	2
24	Magnet with Uncoupled Combined Functions. IEEE Transactions on Nuclear Science, 2013, 60, 4618-4626.	1.2	2
25	Design methodology for graphene tunable filters at the sub-millimeter-wave frequencies. Solid-State Electronics, 2019, 157, 34-41.	0.8	2
26	Computational image analysis reveals the structural complexity of Toxoplasma gondii tissue cysts. PLoS ONE, 2020, 15, e0234169.	1.1	2
27	Optimization of Equally Charged Quadrupole Parameters. IEEE Transactions on Nuclear Science, 2013, 60, 2161-2169.	1.2	1
28	Circuit-based versus full-wave modelling of active microwave circuits. International Journal of Electronics, 0, , 1-10.	0.9	1
29	Tuning the Filter Responses with Graphene Based Resonators. , 2019, , .		1
30	Miniaturized quadrature hybrid couplers based on novel U-shaped transmission lines. Microwave and Optical Technology Letters, 2019, 61, 509-512.	0.9	1
31	Importance of Accurate Static Equilibrium Orbit Calculation in Cyclotron Design. IEEE Transactions on Nuclear Science, 2013, 60, 4627-4633.	1.2	0
32	Convergence of the higher order frequency-domain FEM solution to scattering from a moving dielectric slab. , 2013, , .		0
33	Design of a Combined Function Magnet With Individually Adjustable Functions. IEEE Transactions on Nuclear Science, 2017, 64, 1109-1117.	1.2	0
34	Orbital Angular Momentum Beam MIMO Arrays. , 2018, , .		0
35	Planar printed electrodes for electroporation with high EM field homogeneity. Journal Physics D: Applied Physics, 2021, 54, 505401.	1.3	0
36	Preliminary results of the ion trajectory tracking in the acceleration region of the VINCY Cyclotron. Journal of Automatic Control, 2006, 16, 5-8.	1.0	0

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37	Comparison of higher order fem and MOM/SIE approaches in analyses of closed- and open-region electromagnetic problems. Facta Universitatis - Series Electronics and Energetics, 2008, 21, 209-220.	0.6	0
38	EVALUATION OF SMF EXPOSURE FIELD LEVELS AND GRADIENTS OBTAINABLE USING THE 2D MAGNETIC ARRAYS. RAD Association Journal, 0, , .	0.0	0
39	Distinct fatty acid redistribution and textural changes in the brain tissue upon the static magnetic field exposure. Environmental Toxicology and Pharmacology, 2022, 92, 103853.	2.0	0