

Davor Antanasijević

List of Publications by Year in descending order

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Version: 2024-02-01

53
papers

1,299
citations

361045

20
h-index

377514

34
g-index

53
all docs

53
docs citations

53
times ranked

1523
citing authors

#	ARTICLE	IF	CITATIONS
1	Multilevel split of high-dimensional water quality data using artificial neural networks for the prediction of dissolved oxygen in the Danube River. <i>Neural Computing and Applications</i> , 2020, 32, 3957-3966.	3.2	25
2	Migration of cypermethrin to and through the PET containers and artificial neural network-based estimation of its emission. <i>Environmental Science and Pollution Research</i> , 2019, 26, 28933-28939.	2.7	1
3	Virtual water quality monitoring at inactive monitoring sites using Monte Carlo optimized artificial neural networks: A case study of Danube River (Serbia). <i>Science of the Total Environment</i> , 2019, 654, 1000-1009.	3.9	25
4	The significance of periodic parameters for ANN modeling of daily SO ₂ and NO _x concentrations: A case study of Belgrade, Serbia. <i>Atmospheric Pollution Research</i> , 2019, 10, 621-628.	1.8	16
5	The Prediction of Heavy Metal Permeate Flux in Complexation-Microfiltration Process: Polynomial Neural Network Approach. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	1.1	8
6	Urban population exposure to tropospheric ozone: A multi-country forecasting of SOMO35 using artificial neural networks. <i>Environmental Pollution</i> , 2019, 244, 288-294.	3.7	11
7	Effect of compositional data in the multivariate analysis of sterol concentrations in river sediments. <i>Microchemical Journal</i> , 2018, 139, 188-195.	2.3	4
8	Prediction of the transition temperature of bent-core liquid crystals using fuzzy digital thermometer model based on artificial neural networks. <i>Engineering Applications of Artificial Intelligence</i> , 2018, 71, 251-258.	4.3	4
9	A novel SON ² -based similarity index and its application for the rationalization of river water quality monitoring network. <i>River Research and Applications</i> , 2018, 34, 144-152.	0.7	5
10	Self-organizing maps for indications of airborne polychlorinated biphenyl (PCBs) and organochlorine pesticide (OCPs) dependence on spatial and meteorological parameters. <i>Science of the Total Environment</i> , 2018, 628-629, 198-205.	3.9	11
11	Application of experimental design for the optimization of artificial neural network-based water quality model: a case study of dissolved oxygen prediction. <i>Environmental Science and Pollution Research</i> , 2018, 25, 9360-9370.	2.7	24
12	A linear and non-linear polynomial neural network modeling of dissolved oxygen content in surface water: Inter- and extrapolation performance with inputs' significance analysis. <i>Science of the Total Environment</i> , 2018, 610-611, 1038-1046.	3.9	57
13	Experimental and theoretical consideration of the factors influencing cationic pollutants retention by seashell waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1477-1487.	1.6	9
14	Multiple-input multiple-output general regression neural networks model for the simultaneous estimation of traffic-related air pollutant emissions. <i>Atmospheric Pollution Research</i> , 2018, 9, 388-397.	1.8	32
15	Persistent organic pollutants (POPs) in edible fish species from different fishing zones of Croatian Adriatic. <i>Marine Pollution Bulletin</i> , 2018, 137, 71-80.	2.3	21
16	Organochlorine pesticides (OCPs) and polychlorinated biphenyls (PCBs) in Cyprinidae fish: Towards hints of their arrangements using advanced classification methods. <i>Environmental Research</i> , 2018, 165, 349-357.	3.7	14
17	An artificial neural network approach for the estimation of the primary production of energy from municipal solid waste and its application to the Balkan countries. <i>Waste Management</i> , 2018, 78, 955-968.	3.7	24
18	An optimized artificial neural network model for the prediction of rate of hazardous chemical and healthcare waste generation at the national level. <i>Journal of Material Cycles and Waste Management</i> , 2018, 20, 1736-1750.	1.6	23

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19	Prediction of nitrogen oxides emissions at the national level based on optimized artificial neural network model. <i>Air Quality, Atmosphere and Health</i> , 2017, 10, 15-23.	1.5	25
20	Application of artificial neural networks for estimating Cd, Zn, Pb removal efficiency from wastewater using complexation-microfiltration process. <i>International Journal of Environmental Science and Technology</i> , 2017, 14, 1383-1396.	1.8	10
21	From Classification to Regression Multitasking QSAR Modeling Using a Novel Modular Neural Network: Simultaneous Prediction of Anticonvulsant Activity and Neurotoxicity of Succinimides. <i>Molecular Pharmaceutics</i> , 2017, 14, 4476-4484.	2.3	17
22	Prediction of municipal solid waste generation using artificial neural network approach enhanced by structural break analysis. <i>Environmental Science and Pollution Research</i> , 2017, 24, 299-311.	2.7	54
23	A differential multi-criteria analysis for the assessment of sustainability performance of European countries: Beyond country ranking. <i>Journal of Cleaner Production</i> , 2017, 165, 213-220.	4.6	56
24	A Chemometrical Analysis of Voltammetric Data for Simultaneous Determination of Phenobarbital Sodium and Paracetamol Obtained at a Gold Electrode. <i>International Journal of Electrochemical Science</i> , 2016, 11, 5935-5951.	0.5	7
25	Unsupervised classification and multi-criteria decision analysis as chemometric tools for the assessment of sediment quality: A case study of the Danube and Sava River. <i>Catena</i> , 2016, 144, 11-22.	2.2	16
26	A GMDH-type neural network with multi-filter feature selection for the prediction of transition temperatures of bent-core liquid crystals. <i>RSC Advances</i> , 2016, 6, 99676-99684.	1.7	10
27	Modeling the BOD of Danube River in Serbia using spatial, temporal, and input variables optimized artificial neural network models. <i>Environmental Monitoring and Assessment</i> , 2016, 188, 300.	1.3	10
28	Chemometrics in biomonitoring: Distribution and correlation of trace elements in tree leaves. <i>Science of the Total Environment</i> , 2016, 545-546, 361-371.	3.9	22
29	Response to comment of Taher Rajaei and Salar Khani on "Artificial neural network modelling of biological oxygen demand in rivers at the national level with input selection based on Monte Carlo simulations" [Ajlić et al., <i>Environ Sci Pollut Res</i> (2015) 22: 4230-4241]. <i>Environmental Science and Pollution Research</i> , 2016, 23, 3978-3979.	2.7	1
30	A QSPR study on the liquid crystallinity of five-ring bent-core molecules using decision trees, MARS and artificial neural networks. <i>RSC Advances</i> , 2016, 6, 18452-18464.	1.7	21
31	Prediction of clearing temperatures of bent-core liquid crystals using decision trees and multivariate adaptive regression splines. <i>Liquid Crystals</i> , 2016, 43, 1028-1037.	0.9	12
32	Estimation of NMVOC emissions using artificial neural networks and economical and sustainability indicators as inputs. <i>Environmental Science and Pollution Research</i> , 2016, 23, 10753-10762.	2.7	7
33	The novel approach to the biomonitor survey using one- and two-dimensional Kohonen networks. <i>Environmental Monitoring and Assessment</i> , 2015, 187, 618.	1.3	5
34	Lead spatio-temporal pattern identification in urban microenvironments using moss bags and the Kohonen self-organizing maps. <i>Atmospheric Environment</i> , 2015, 117, 180-186.	1.9	12
35	Selected trace element concentrations in ambient air and in horse chestnut leaves in Belgrade. <i>Chemical Industry and Chemical Engineering Quarterly</i> , 2015, 21, 169-178.	0.4	0
36	Modeling of methane emissions using artificial neural network approach. <i>Journal of the Serbian Chemical Society</i> , 2015, 80, 421-433.	0.4	8

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37	Modeling of energy consumption and related GHG (greenhouse gas) intensity and emissions in Europe using general regression neural networks. <i>Energy</i> , 2015, 84, 816-824.	4.5	54
38	Modeling of ammonia emission in the USA and EU countries using an artificial neural network approach. <i>Environmental Science and Pollution Research</i> , 2015, 22, 18849-18858.	2.7	5
39	Artificial neural network modelling of biological oxygen demand in rivers at the national level with input selection based on Monte Carlo simulations. <i>Environmental Science and Pollution Research</i> , 2015, 22, 4230-4241.	2.7	19
40	Lead isotopic composition in tree leaves as tracers of lead in an urban environment. <i>Ecological Indicators</i> , 2014, 45, 640-647.	2.6	18
41	Modelling of dissolved oxygen in the Danube River using artificial neural networks and Monte Carlo Simulation uncertainty analysis. <i>Journal of Hydrology</i> , 2014, 519, 1895-1907.	2.3	94
42	Forecasting GHG emissions using an optimized artificial neural network model based on correlation and principal component analysis. <i>International Journal of Greenhouse Gas Control</i> , 2014, 20, 244-253.	2.3	50
43	Prediction of hardness and electrical properties in ZrB ₂ particle reinforced metal matrix composites using artificial neural network. <i>Metallurgical and Materials Engineering</i> , 2014, 20, 255-260.	0.2	2
44	The forecasting of municipal waste generation using artificial neural networks and sustainability indicators. <i>Sustainability Science</i> , 2013, 8, 37-46.	2.5	82
45	Modelling of dissolved oxygen content using artificial neural networks: Danube River, North Serbia, case study. <i>Environmental Science and Pollution Research</i> , 2013, 20, 9006-9013.	2.7	77
46	PM ₁₀ emission forecasting using artificial neural networks and genetic algorithm input variable optimization. <i>Science of the Total Environment</i> , 2013, 443, 511-519.	3.9	143
47	Lead concentrations and isotope ratios in urban tree leaves. <i>Ecological Indicators</i> , 2013, 24, 504-509.	2.6	24
48	Forecasting human exposure to PM ₁₀ at the national level using an artificial neural network approach. <i>Journal of Chemometrics</i> , 2013, 27, 170-177.	0.7	22
49	Plants as Monitors of Lead Air Pollution. <i>Environmental Chemistry for A Sustainable World</i> , 2013, , 387-431.	0.3	4
50	Review: The approaches for estimation of limit of detection for ICP-MS trace analysis of arsenic. <i>Talanta</i> , 2012, 102, 79-87.	2.9	64
51	Concentrations of selected trace elements in mineral and spring bottled waters on the Serbian market. <i>Food Additives and Contaminants: Part B Surveillance</i> , 2011, 4, 6-14.	1.3	18
52	Analysis of selected elements in water in the drinking water preparation plants in Belgrade, Serbia. <i>Hemijaska Industrija</i> , 2011, 65, 187-196.	0.3	1
53	Urban deciduous tree leaves as biomonitors of trace element (As, V and Cd) atmospheric pollution in Belgrade, Serbia. <i>Journal of the Serbian Chemical Society</i> , 2010, 75, 1453-1461.	0.4	15