

Atanas Valev Ivanov

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

198
citations

1162889

8
h-index

1199470

12
g-index

16
all docs

16
docs citations

16
times ranked

155
citing authors

#	ARTICLE	IF	CITATIONS
1	Time series analysis and forecasting for air pollution in small urban area: an SARIMA and factor analysis approach. Stochastic Environmental Research and Risk Assessment, 2014, 28, 1045-1060.	1.9	71
2	Regression trees modeling of time series for air pollution analysis and forecasting. Neural Computing and Applications, 2019, 31, 9023-9039.	3.2	35
3	Exploring key air pollutants and forecasting particulate matter PM10 by a two-step SARIMA approach. AIP Conference Proceedings, 2019, , .	0.3	12
4	Assaying SARIMA and generalised regularised regression for particulate matter PM10 modelling and forecasting. International Journal of Environment and Pollution, 2019, 66, 41.	0.2	12
5	Assessment of Studentsâ€™ Achievements and Competencies in Mathematics Using CART and CART Ensembles and Bagging with Combined Model Improvement by MARS. Mathematics, 2021, 9, 62.	1.1	12
6	Prediction of Daily Mean PM10 Concentrations Using Random Forest, CART Ensemble and Bagging Stacked by MARS. Sustainability, 2022, 14, 798.	1.6	12
7	Studying the effect of meteorological factors on the SO2 and PM10 pollution levels with refined versions of the SARIMA model. AIP Conference Proceedings, 2015, , .	0.3	10
8	Random forests models of particulate matter PM10: A case study. AIP Conference Proceedings, 2018, , .	0.3	9
9	Regression trees modeling and forecasting of PM10 air pollution in urban areas. AIP Conference Proceedings, 2017, , .	0.3	8
10	Decision Trees for Evaluation of Mathematical Competencies in the Higher Education: A Case Study. Mathematics, 2020, 8, 748.	1.1	8
11	Using principal component analysis and general path seeker regression for investigation of air pollution and CO modeling. AIP Conference Proceedings, 2015, , .	0.3	3
12	Integrating of competences in mathematics through software â€” case study. , 2018, , .		2
13	Data Mining for Statistical Evaluation of Summative and Competency-Based Assessments in Mathematics. Advances in Intelligent Systems and Computing, 2020, , 207-216.	0.5	2
14	PM10 Prediction Using CART Method Depending on the Number of Observations. , 2020, , .		2
15	Acquiring mathematical competences towards modelling: Example using cluster analysis. , 2018, , .		0
16	Random forests for statistical modeling of experimental data for CuBr vapor lasers used as brightness amplifiers. Journal of Computational Electronics, 2021, 20, 958-965.	1.3	0