

Atanas Valev Ivanov

List of Publications by Year in descending order

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papers

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155
citing authors

#	ARTICLE	IF	CITATIONS
1	Prediction of Daily Mean PM10 Concentrations Using Random Forest, CART Ensemble and Bagging Stacked by MARS. Sustainability, 2022, 14, 798.	1.6	12
2	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
3	Assessment of Students'™ 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
4	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
5	Decision Trees for Evaluation of Mathematical Competencies in the Higher Education: A Case Study. Mathematics, 2020, 8, 748.	1.1	8
6	PM10 Prediction Using CART Method Depending on the Number of Observations. , 2020, , .		2
7	Regression trees modeling of time series for air pollution analysis and forecasting. Neural Computing and Applications, 2019, 31, 9023-9039.	3.2	35
8	Exploring key air pollutants and forecasting particulate matter PM10 by a two-step SARIMA approach. AIP Conference Proceedings, 2019, , .	0.3	12
9	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
10	Random forests models of particulate matter PM10: A case study. AIP Conference Proceedings, 2018, , .	0.3	9
11	Acquiring mathematical competences towards modelling: Example using cluster analysis. , 2018, , .		0
12	Integrating of competences in mathematics through software " case study. , 2018, , .		2
13	Regression trees modeling and forecasting of PM10 air pollution in urban areas. AIP Conference Proceedings, 2017, , .	0.3	8
14	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
15	Using principal component analysis and general path seeker regression for investigation of air pollution and CO modeling. AIP Conference Proceedings, 2015, , .	0.3	3
16	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