SrÄ‘an KostiÄ

List of Publications by Year
in descending order

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Version: 2024-02-01

35 papers	386 citations	758635 12 h-index	794141 19 g-index
35 all docs	35 docs citations	35 times ranked	445 citing authors

#	Article	IF	Citations
1	ANN and MLR-based estimation of allowed blast-induced vibrations for safe constructions at Hardovac limestone quarry (Bosnia and Herzegovina). Environmental Earth Sciences, 2022, 81, 1.	1.3	0
2	Sensitivity of a simple earthquake nucleation model to small parameter perturbation: Conditions for the occurrence of deterministic chaos. , 2022, 1, 27-32.		1
3	Characterization of ground oscillations induced by underground mining. Podzemni Radovi, 2022, , 1-14.	0.1	0
4	EFFECT of colored noise on the generation of seismic fault MOVEMENT: Analogy with spring-block model DYNAMICS. Chaos, Solitons and Fractals, 2020, 135, 109726.	2.5	4
5	Revealing the background of groundwater level dynamics: Contributing factors, complex modeling and engineering applications. Chaos, Solitons and Fractals, 2019, 127, 408-421.	2.5	4
6	Nonlinear dynamics behind the seismic cycle: One-dimensional phenomenological modeling. Chaos, Solitons and Fractals, 2018, 106, 310-316.	2.5	3
7	A Review on Enhanced Stability Analyses of Soil Slopes Using Statistical Design. Advances in Civil and Industrial Engineering Book Series, 2018, , 446-481.	0.2	0
8	A New Approach for Trend Assessment of Annual Streamflows: a Case Study of Hydropower Plants in Serbia. Water Resources Management, 2017, 31, 1089-1103.	1.9	12
9	Analytical Models for Estimation of Slope Stability in Homogeneous Intact and Jointed Rock Masses with a Single Joint. International Journal of Geomechanics, 2017, 17, 04017089.	1.3	6
10	Robust optimization of concrete strength estimation using response surface methodology and Monte Carlo simulation. Engineering Optimization, 2017, 49, 864-877.	1.5	12
11	Dynamics of fault motion in a stochastic spring-slider model with varying neighboring interactions and time-delayed coupling. Nonlinear Dynamics, 2017, 87, 2563-2575.	2.7	3
12	A joint stochastic-deterministic approach for long-term and short-term modelling of monthly flow rates. Journal of Hydrology, 2017, 544, 555-566.	2.3	16
13	Application of artificial neural networks for slope stability analysis in geotechnical practice. , 2016, , .		7
14	Phase response curves for models of earthquake fault dynamics. Chaos, 2016, 26, 063105.	1.0	10
15	Modeling of river flow rate as a function of rainfall and temperature using response surface methodology based on historical time series. Journal of Hydroinformatics, 2016, 18, 651-665.	1.1	11
16	Earthquake nucleation in a stochastic fault model of globally coupled units with interaction delays. Communications in Nonlinear Science and Numerical Simulation, 2016, 38, 117-129.	1.7	10
17	Hydrological flow rate estimation using artificial neural networks: Model development and potential applications. Applied Mathematics and Computation, 2016, 291, 373-385.	1.4	13
18	Slope Stability Analysis Based on Experimental Design. International Journal of Geomechanics, 2016, 16, .	1.3	19

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19	Stability of earth slopes under the effect of main environmental properties of weathered clayâ€“marl deposits in Belgrade (Serbia). Environmental Earth Sciences, 2016, 75, 1.	1.3	10
20	Mechanics of weathered clay-marl rock masses along the rupture surface in homogeneous dry slopes. Theoretical and Applied Mechanics, 2016, 43, 85-98.	0.1	2
21	Activation process in excitable systems with multiple noise sources: Large number of units. Physical Review E, 2015, 92, 062912.	0.8	27
22	A new approach to grid search method in slope stability analysis using Boxâ€“Behnken statistical design. Applied Mathematics and Computation, 2015, 256, 425-437.	1.4	17
23	Prediction model for compressive strength of basic concrete mixture using artificial neural networks. Neural Computing and Applications, 2015, 26, 1005-1024.	3.2	55
24	Landslide dam in river bed of Leva reka near Kraljevo due to cyclone „Tamara' in May 2014. Tehnika, 2015, 70, 609-615.	0.0	1
25	Complex Dynamics of Landslides with Time Delay Under External Seismic Triggering Effect. , 2015, , 1353-1356.		0
26	Assessment of blast induced ground vibrations by artificial neural network. , 2014, , .		3
27	Complex Dynamics of Spring-Block Earthquake Model Under Periodic Parameter Perturbations. Journal of Computational and Nonlinear Dynamics, 2014, 9, .	0.7	3
28	Temporal distribution of recorded magnitudes in Serbia earthquake catalog. Applied Mathematics and Computation, 2014, 244, 917-924.	1.4	7
29	Dynamics of landslide model with time delay and periodic parameter perturbations. Communications in Nonlinear Science and Numerical Simulation, 2014, 19, 3346-3361.	1.7	8
30	Prediction of blast-induced ground motion in a copper mine. International Journal of Rock Mechanics and Minings Sciences, 2014, 69, 19-25.	2.6	27
31	Environmental impact of blasting at Drenovac limestone quarry (Serbia). Environmental Earth Sciences, 2014, 72, 3915-3928.	1.3	27
32	Triggered dynamics in a model of different fault creep regimes. Scientific Reports, 2014, 4, 5401.	1.6	17
33	Friction memory effect in complex dynamics of earthquake model. Nonlinear Dynamics, 2013, 73, 1933-1943.	2.7	21
34	Stochastic nature of earthquake ground motion. Physica A: Statistical Mechanics and Its Applications, 2013, 392, 4134-4145.	1.2	18
35	Predictions of Experimentally Observed Stochastic Ground Vibrations Induced by Blasting. PLoS ONE, 2013, 8, e82056.	1.1	12