

# Marijana Hadzima-Nyarko

## List of Publications by Year in descending order

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41  
papers

994  
citations

331670

21  
h-index

434195

31  
g-index

42  
all docs

42  
docs citations

42  
times ranked

884  
citing authors

#	ARTICLE	IF	CITATIONS
1	Flood-routing modeling with neural network optimized by social-based algorithm. <i>Natural Hazards</i> , 2016, 82, 1-24.	3.4	78
2	Modeling daily water temperature for rivers: comparison between adaptive neuro-fuzzy inference systems and artificial neural networks models. <i>Environmental Science and Pollution Research</i> , 2019, 26, 402-420.	5.3	77
3	Modelling daily water temperature from air temperature for the Missouri River. <i>PeerJ</i> , 2018, 6, e4894.	2.0	62
4	Implementation of Artificial Neural Networks in Modeling the Water-Air Temperature Relationship of the River Drava. <i>Water Resources Management</i> , 2014, 28, 1379-1394.	3.9	51
5	Earthquake performance of infilled frames using neural networks and experimental database. <i>Engineering Structures</i> , 2013, 51, 113-127.	5.3	49
6	Modelling the Influence of Waste Rubber on Compressive Strength of Concrete by Artificial Neural Networks. <i>Materials</i> , 2019, 12, 561.	2.9	46
7	Modelling river temperature from air temperature: case of the River Drava (Croatia). <i>Hydrological Sciences Journal</i> , 2015, 60, 1490-1507.	2.6	41
8	Seismic vulnerability assessment of an old historical masonry building in Osijek, Croatia, using Damage Index. <i>Journal of Cultural Heritage</i> , 2017, 28, 140-150.	3.3	41
9	Rapid seismic risk assessment. <i>International Journal of Disaster Risk Reduction</i> , 2017, 24, 348-360.	3.9	36
10	Two hybrid data-driven models for modeling water-air temperature relationship in rivers. <i>Environmental Science and Pollution Research</i> , 2019, 26, 12622-12630.	5.3	36
11	A neural network based modelling and sensitivity analysis of damage ratio coefficient. <i>Expert Systems With Applications</i> , 2011, 38, 13405-13413.	7.6	35
12	Assessing the performance of a suite of machine learning models for daily river water temperature prediction. <i>PeerJ</i> , 2019, 7, e7065.	2.0	35
13	Locating Hidden Elements in Walls of Cultural Heritage Buildings by Using Infrared Thermography. <i>Buildings</i> , 2019, 9, 32.	3.1	32
14	Modeling of Compressive Strength of Self-Compacting Rubberized Concrete Using Machine Learning. <i>Materials</i> , 2021, 14, 4346.	2.9	31
15	Seismic vulnerability of old confined masonry buildings in Osijek, Croatia. <i>Earthquake and Structures</i> , 2016, 11, 629-648.	1.0	30
16	Seismic vulnerability assessment of masonry buildings in Banja Luka and Sarajevo (Bosnia and Herzegovina). <i>Journal of Earth System Engineering</i> , 2019, 10, 142-150.	4.1	30
17	Rockburst Hazard Prediction in Underground Projects Using Two Intelligent Classification Techniques: A Comparative Study. <i>Symmetry</i> , 2021, 13, 632.	2.2	26
18	Determining the Natural Frequency of Cantilever Beams Using ANN and Heuristic Search. <i>Applied Artificial Intelligence</i> , 2018, 32, 309-334.	3.2	25

#	ARTICLE	IF	CITATIONS
19	A Contribution to a UHS-Based Seismic Risk Assessment in Croatiaâ€”A Case Study for the City of Osijek. Sustainability, 2020, 12, 1796.	3.2	25
20	Machine learning approaches for estimation of compressive strength of concrete. European Physical Journal Plus, 2020, 135, 1.	2.6	24
21	Effects of waste glass as a sand replacement on the strength and durability of fly ash/GGBS based alkali activated mortar. Ceramics International, 2021, 47, 21175-21196.	4.8	24
22	Application of Shape Memory Alloys in Retrofitting of Masonry and Heritage Structures Based on Their Vulnerability Revealed in the Bam 2003 Earthquake. Materials, 2021, 14, 4480.	2.9	24
23	Development of Seismic Vulnerability and Exposure Modelsâ€”A Case Study of Croatia. Sustainability, 2020, 12, 973.	3.2	22
24	Rapid assessment of earthquake risk for Bosnia and Herzegovina. Bulletin of Earthquake Engineering, 2020, 18, 1835-1863.	4.1	17
25	Long term variations of river temperature and the influence of air temperature and river discharge: case study of Kupa River watershed in Croatia. Journal of Hydrology and Hydromechanics, 2019, 67, 305-313.	2.0	15
26	Influence of site effects on the seismic vulnerability of masonry and reinforced concrete buildings in Tuzla (Bosnia and Herzegovina). Bulletin of Earthquake Engineering, 2022, 20, 2643-2681.	4.1	15
27	Improvement of eco-efficient self-compacting concrete manufacture by recycling high quantity of waste materials. Environmental Science and Pollution Research, 2021, 28, 53282-53297.	5.3	11
28	The Vulnerability of Buildings From the Osijek Database. Frontiers in Built Environment, 2019, 5, .	2.3	10
29	The Effect of Basalt Aggregates and Mineral Admixtures on the Mechanical Properties of Concrete Exposed to Sulphate Attacks. Materials, 2022, 15, 1581.	2.9	10
30	Application of Artificial Intelligence Methods for Predicting the Compressive Strength of Self-Compacting Concrete with Class F Fly Ash. Materials, 2022, 15, 4191.	2.9	10
31	Railway Corridors in Croatian Cities as Factors of Sustainable Spatial and Cultural Development. Sustainability, 2021, 13, 6928.	3.2	7
32	Horizontal UHS Amplitudes for Regions with Deep Soil Atop Deep Geological Sedimentsâ€”An Example of Osijek, Croatia. Applied Sciences (Switzerland), 2021, 11, 6296.	2.5	3
33	Vertical to Horizontal UHS Ratios for Low to Medium Seismicity Regions with Deep Soil atop Deep Geological Sedimentsâ€”An Example of the City of Osijek, Croatia. Applied Sciences (Switzerland), 2021, 11, 6782.	2.5	3
34	Architectural characteristics and determination of load-bearing capacity as a key indicator for a strengthening of the primary school buildings: Case study Osijek. Structures, 2021, 34, 3996-4011.	3.6	3
35	PGA vertical estimates for deep soils and deep geological sediments â€” A case study of Osijek (Croatia). Computers and Geosciences, 2022, 158, 104985.	4.2	3
36	The Contribution of Workersâ€™ Attributes on Sustainability of Construction Project Realization Goalsâ€”Survey on the Impact on Productivity in Croatia. Sustainability, 2020, 12, 9946.	3.2	2

#	ARTICLE	IF	CITATIONS
37	Assessment of Selected Models for FRP-Retrofitted URM Walls under In-Plane Loads. Buildings, 2021, 11, 559.	3.1	2
38	Application of machine learning models in hydrology: Case study of river temperature forecasting in the Drava River using coupled wavelet analysis and adaptive neuro-fuzzy inference systems model. , 2021, , 399-411.		1
39	ASSESSING SEISMIC RISK IN RETFALA NOVA, OSIJEK. E-GFOS, 0, , 50-61.	0.3	1
40	Maintenance Condition and Seismic Vulnerability of Buildings in Rural Areas â€” A Case Study of Two Rural Settlements in Osijek-Baranja County. Lecture Notes in Networks and Systems, 2022, , 310-323.	0.7	1
41	Seismic Vulnerability Analysis in Urban and Rural Regions of Visoko, BIH. Lecture Notes in Networks and Systems, 2022, , 421-429.	0.7	0