Ognjen Bonacci

List of Publications by Year in descending order

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100 papers	3,429 citations	236612 25 h-index	155451 55 g-index
111 all docs	111 docs citations	111 times ranked	3424 citing authors

#	Article	IF	Citations
1	Changing climate both increases and decreases European river floods. Nature, 2019, 573, 108-111.	13.7	639
2	Changing climate shifts timing of European floods. Science, 2017, 357, 588-590.	6.0	584
3	Karst springs hydrographs as indicators of karst aquifers. Hydrological Sciences Journal, 1993, 38, 51-62.	1.2	205
4	Karst Hydrology. Springer Series in Physical Environment, 1987, , .	0.4	132
5	A framework for karst ecohydrology. Environmental Geology, 2009, 56, 891-900.	1.2	125
6	Karst flash floods: an example from the Dinaric karst (Croatia). Natural Hazards and Earth System Sciences, 2006, 6, 195-203.	1.5	107
7	Analysis of the maximum discharge of karst springs. Hydrogeology Journal, 2001, 9, 328-338.	0.9	92
8	Basic data on the hydrology of Lakes Ohrid and Prespa. Hydrological Processes, 2007, 21, 658-664.	1.1	90
9	Ground water behaviour in karst: example of the Ombla Spring (Croatia). Journal of Hydrology, 1995, 165, 113-134.	2.3	71
10	Lake Level Prediction using Feed Forward and Recurrent Neural Networks. Water Resources Management, 2019, 33, 2471-2484.	1.9	62
11	Hydrological identification of drought. Hydrological Processes, 1993, 7, 249-262.	1.1	53
12	Definition of catchment area in karst: case of the rivers KrÄiÄ‡ and Krka, Croatia. Hydrological Sciences Journal, 2006, 51, 682-699.	1.2	49
13	Analysis of the water temperature regime of the Danube and its tributaries in Croatia. Hydrological Processes, 2008, 22, 1014-1021.	1.1	48
14	The changes in the lower Drava River water level, discharge and suspended sediment regime. Environmental Earth Sciences, 2010, 59, 1661-1670.	1.3	47
15	Monthly and annual effective infiltration coefficients in Dinaric karst: example of the Gradole karst spring catchment. Hydrological Sciences Journal, 2001, 46, 287-299.	1.2	44
16	Water circulation in karst and determination of catchment areas: example of the River Zrmanja. Hydrological Sciences Journal, 1999, 44, 373-386.	1.2	43
17	Karst hydrogeology/hydrology of dinaric chain and isles. Environmental Earth Sciences, 2015, 74, 37-55.	1.3	40
18	The influence of hydroelectrical development on the flow regime of the karstic river Cetina. Hydrological Processes, 2003, 17, 1-15.	1.1	39

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19	Sea water intrusion in coastal karst springs: example of the BlaÅ¾ Spring (Croatia). Hydrological Sciences Journal, 1997, 42, 89-100.	1.2	38
20	Interpretation of groundwater level monitoring results in karst aquifers: examples from the Dinaric karst. Hydrological Processes, 2000, 14, 2423-2438.	1.1	34
21	Impact of an interâ€basin water transfer and reservoir operation on a karst open streamflow hydrological regime: an example from the Dinaric karst (Croatia). Hydrological Processes, 2010, 24, 3852-3863.	1.1	33
22	Karst riversâ€™ particularity: an example from Dinaric karst (Croatia/Bosnia and Herzegovina). Environmental Earth Sciences, 2013, 70, 963-974.	1.3	33
23	Spring discharge hydrograph. , 2010, , 129-163.		32
24	A European Flood Database: facilitating comprehensive flood research beyond administrative boundaries. Proceedings of the International Association of Hydrological Sciences, 0, 370, 89-95.	1.0	32
25	Negative impacts of grouting on the underground karst environment. Ecohydrology, 2009, 2, 492-502.	1.1	31
26	Rhythmic karst springs. Hydrological Sciences Journal, 1991, 36, 35-47.	1.2	30
27	Karst spring catchment: an example from Dinaric karst. Environmental Earth Sciences, 2015, 74, 6211-6223.	1.3	27
28	The possible negative consequences of underground dam and reservoir construction and operation in coastal karst areas: an example of the hydro-electric power plant (HEPP) Ombla near Dubrovnik (Croatia). Natural Hazards and Earth System Sciences, 2013, 13, 2041-2052.	1.5	26
29	Water losses from the RiÄice reservoir built in the Dinaric karst. Engineering Geology, 2008, 99, 121-127.	2.9	25
30	Water losses from a reservoir built in karst: the example of the BoljunÄica reservoir (Istria, Croatia). Environmental Geology, 2009, 58, 339-345.	1.2	24
31	Hydrological investigations of Dinaric karst at the KrÄiÄ‡ catchment and the river Krka springs (Yugoslavia). Journal of Hydrology, 1985, 82, 317-326.	2.3	23
32	Hydrological explanation of the flow in karst: example of the CrnojeviÄ‡a spring. Journal of Hydrology, 1993, 146, 405-419.	2.3	21
33	An example of principal component analysis application on climate change assessment. Theoretical and Applied Climatology, 2019, 138, 1049-1062.	1.3	20
34	Polar Organic Micropollutants In The Water Cycle. , 2008, , 103-116.		20
35	Identification of a karst hydrological system in the Dinaric karst (Yugoslavia). Hydrological Sciences Journal, 1988, 33, 483-497.	1.2	19
36	Effects of dams and reservoirs on the hydrological characteristics of the lower drava river. River Research and Applications, 1992, 7, 349-357.	1.2	19

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37	The water on a small karst island: the island of KorÄula (Croatia) as an example. Environmental Earth Sciences, 2012, 66, 1345-1357.	1.3	17
38	Differences between true mean daily, monthly and annual air temperatures and air temperatures calculated with three equations: a case study from three Croatian stations. Theoretical and Applied Climatology, 2013, 114, 271-279.	1.3	17
39	Karst Rivers Hydrology: Case of the Lika and Gacka (Croatia). Acta Carsologica, 2012, 37, .	0.3	17
40	Changes in flow conveyance and implication for flood protection, Sava River, Zagreb. Hydrological Processes, 2008, 22, 1189-1196.	1.1	16
41	Increasing Trends in Air and Sea Surface Temperature in the Central Adriatic Sea (Croatia). Journal of Marine Science and Engineering, 2021, 9, 358.	1.2	16
42	Molecular data as a possible tool for tracing groundwater flow in karst environment: example of Delminichthys adspersus in Dinaric karst system. Ecohydrology, 2012, 5, 791-797.	1.1	15
43	Analysis of the Drava and Danube rivers floods in Osijek (Croatia) and possibility of their coincidence. Environmental Earth Sciences, 2016, 75, 1.	1.3	15
44	Analyses of Climate Variations at Four Meteorological Stations on Remote Islands in the Croatian Part of the Adriatic Sea. Atmosphere, 2020, 11, 1044.	1.0	15
45	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.	0.7	15
46	The Catchment Area of the Sv. Ivan Karst Spring in Istria (Croatia). Ground Water, 1993, 31, 767-773.	0.7	14
47	Impact of grout curtains on karst groundwater behaviour: an example from the Dinaric karst. Hydrological Processes, 2012, 26, 2765-2772.	1.1	14
48	Analysis of Long-Term (1878-2004) Mean Annual Discharges of the Karst Spring Fontaine de Vaucluse (France). Acta Carsologica, 2012, 36, .	0.3	14
49	Analysis of transboundary Dojran Lake mean annual water level changes. Environmental Earth Sciences, 2015, 73, 3177-3185.	1.3	13
50	Hydrological analysis of Skradinski Buk tufa waterfall (Krka River, Dinaric karst, Croatia). Environmental Earth Sciences, 2017, 76, 1.	1.3	13
51	Standard normal homogeneity test as a tool to detect change points in climate-related river discharge variation: case study of the Kupa River Basin. Hydrological Sciences Journal, 2020, 65, 227-241.	1.2	13
52	Innovative and successive average trend analysis of temperature and precipitation in Osijek, Croatia. Theoretical and Applied Climatology, 2021, 145, 875-890.	1.3	13
53	Changes in hydrological regime caused by human intervention in karst: the case of the Rumin Springs. Hydrological Sciences Journal, 2016, 61, 2387-2398.	1.2	12
54	Hydrology of Blue Lake in the Dinaric karst. Hydrological Processes, 2014, 28, 1890-1898.	1.1	11

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55	An Intermittent Karst River: The Case of the ÄŒikola River (Dinaric Karst, Croatia). Water (Switzerland), 2019, 11, 2415.	1.2	11
56	Dynamics of the KopaÄki Rit (Croatia) wetland floodplain water regime. Environmental Earth Sciences, 2014, 71, 3559-3570.	1.3	10
57	Surface Waters and Groundwater in Karst. Professional Practice in Earth Sciences, 2015, , 149-169.	0.4	10
58	Analyses of the Zagreb GriÄ•observatory air temperatures indices for the period 1881 to 2017. Acta Hydrotechnica, 2018, , 67-85.	0.4	10
59	THE VRANA LAKE HYDROLOGY (ISLAND OF CRES - CROATIA). Journal of the American Water Resources Association, 1993, 29, 407-417.	1.0	9
60	Ecologically acceptable flows definition for the Å½rnovnica River (Croatia). River Research and Applications, 1998, 14, 245-256.	1.2	9
61	Preliminary analysis of the decrease in water level of Vrana Lake on the small carbonate island of Cres (Dinaric karst, Croatia). Geological Society Special Publication, 2018, 466, 307-317.	0.8	9
62	Different air temperature changes in continental and Mediterranean regions: a case study from two Croatian stations. Theoretical and Applied Climatology, 2021, 145, 1333-1346.	1.3	9
63	Cost Modelling In Waste Water Treatment Processes: An Empirical Analysis For Spain. , 2008, , 219-226.		8
64	Viruses In Ground Water. , 2008, , 131-149.		8
65	Air temperature and precipitation analyses on a small Mediterranean island: the case of the remote island of Lastovo (Adriatic Sea, Croatia). Acta Hydrotechnica, 2019, , 135-150.	0.4	8
66	Application of revised innovative trend analysis in lower Drava River. Arabian Journal of Geosciences, 2022, 15, .	0.6	7
67	Influence of turbulence on the accuracy of discharge measurements in natural streamflows. Journal of Hydrology, 1979, 42, 347-367.	2.3	6
68	Drastic hydrological changes caused by hydroelectrical development in karst: a case of the karst river Zrmanja (Croatia). Environmental Earth Sciences, 2015, 74, 6767-6777.	1.3	6
69	Differences between true mean temperatures and means calculated with four different approaches: a case study from three Croatian stations. Theoretical and Applied Climatology, 2018, 131, 733-743.	1.3	6
70	Precipitation Regime Changes at Four Croatian Meteorological Stations. Atmosphere, 2021, 12, 885.	1.0	6
71	The Comparative Study Of The Overall Effect Of Crude Oil On Fish In Early Stages Of Development. , 2008, , 307-316.		6
72	Sustainability of the karst environment - Dinnaric karst and other karst regions. Geologia Croatica, 2010, 63, .	0.3	6

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73	Several methods for discharge measurements of floods / Plusieures mÃ©thodes de mesure du dÃ©bit des crues. Hydrological Sciences Journal, 1983, 28, 513-524.	1.2	5
74	The influence of errors in precipitation measurements on the accuracy of the evaporation measurements performed by a class A evaporation pan. Theoretical and Applied Climatology, 1991, 43, 181-183.	1.3	5
75	Review On The Assessment Of The Removal Efficiency Of Wastewater Treatment Plants For Selected Xenobiotics. , 2008, , 227-244.		5
76	Aqueous Photocatalysis, Natural Organic Matter Characterization And Removal: A Case Study Of The Photacatalytic Oxidation of Fulvic Acid. , 2008, , 247-256.		4
77	Pharmaceuticals And Personal Care Products (Ppcp) In Canadian Urban Waters: A Management Perspective. , 2008, , 117-130.		4
78	Ecohydrology Of Dojran Lake. , 2008, , 151-160.		4
79	Human Impacts on Water Regime. Springer Geography, 2019, , 125-137.	0.3	4
80	Hydrological Aspects of Nature-Based Solutions in Flood Mitigation in the Danube River Basin in Croatia: Green vs. Grey Approach. Handbook of Environmental Chemistry, 2021, , 263-288.	0.2	4
81	Monitoring And Modelling Pesticide Dynamics In Surface Water. , 2008, , 181-190.		3
82	Methods For Toxicity Testing Of Xenobiotics In Wastewater Treatment Plants And In Receiving Water Bodies. , 2008, , 191-206.		3
83	Water resources analysis of the RjeÄ•ina karst spring and river (Dinaric karst). Acta Carsologica, 2018, 47, .	0.3	3
84	Morphological study of Red lake in Dinaric karst based on terrestrial laser scaning and sonar system. Acta Carsologica, 2015, 43, .	0.3	3
85	Karst Lakeâ€™s Dynamics Analysis as a Tool for Aquifer Characterisation at Field Scale, Example of Cryptodepressionâ€”Red Lake in Croatia. Water (Switzerland), 2022, 14, 830.	1.2	3
86	ACCURACY OF SUSPENDED SEDIMENT MEASUREMENTS IN NATURAL STREAMFLOWS. Journal of Hydraulic Research/De Recherches Hydrauliques, 1981, 19, 195-209.	0.7	2
87	Analysis of precipitation appearance in time. Hydrological Processes, 1999, 13, 1683-1690.	1.1	2
88	Povezanost povrÅ¡inske temperature more i povrÅ¡inske temperature zraka. Geoadria, 2021, 26, 7-34.	0.3	2
89	Phytotoxicity Assessment Of Effluent Waters, Surface Water And Sediments. , 2008, , 171-180.		2
90	ASSESSING SEDIMENT REGIME ALTERATION OF THE LOWER DRAVA RIVER. E-GFOS, 2019, , 1-12.	0.2	1

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91	The water and biology on a small Karstic island: the Island of BraÄ•(Croatia) as one example. Environmental Earth Sciences, 2020, 79, 1.	1.3	1
92	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
93	Facts, Contradictions And Possible Improvement Actions For Hazardous Wastewater Management - A Case Study. , 2008, , 267-278.		1
94	Impact of large human constructions on a karst river hydrology: Case of the Cetina river (Dinaric) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6	0.4	1
95	Relationships between large-scale atmospheric circulation and monthly precipitation and discharge in the Danube River Basin. Theoretical and Applied Climatology, 2022, 148, 767-777.	1.3	1
96	Re: Hydrology. , 0, , .		0
97	Evaluation Of Vilnius City (Lithuania) Snow Pollution Toxicity By Use Of Fish Biotests. , 2008, , 317-324.		0
98	Chemical And Ecological Problems Of Small Reservoirs At Designing Of Wastewater Treatment Installations. , 2008, , 257-265.		0
99	Operation Of Domestic Wastewater Treatment Plant With Submerged Membrane Modules. , 2008, , 297-306.		0
100	Minimization Of Dangerous Pollutants In The New Sanitation Concept For Separation Treatment Of Wastewater. , 2008, , 325-329.		0