

# Tomislav MalviÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

413  
citations

759233

12  
h-index

940533

16  
g-index

59  
all docs

59  
docs citations

59  
times ranked

247  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nearshore Pelagic Influence at the SW Margin of the Paratethys Sea—Examples from the Miocene of Croatia. <i>Geosciences (Switzerland)</i> , 2022, 12, 120.	2.2	2
2	Interpretation of Chemical Analyses and Cement Modules in Flysch by (Geo)Statistical Methods, Example from the Southern Croatia. <i>Processes</i> , 2022, 10, 813.	2.8	1
3	Modeling of the Geological Probability Procedure for the Prediction of High Flows in Small Streams, Case Study of Medvednica Mt., Croatia. <i>Hydrology</i> , 2021, 8, 83.	3.0	1
4	Small Unconventional Hydrocarbon Gas Reservoirs as Challenging Energy Sources, Case Study from Northern Croatia. <i>Energies</i> , 2021, 14, 3503.	3.1	3
5	Geological Probability of Success (POS), case study in the Late Miocene structures of the western part of the Sava Depression, Croatia. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	1.3	4
6	Geological Risk Calculation through Probability of Success (PoS), Applied to Radioactive Waste Disposal in Deep Wells: A Conceptual Study in the Pre-Neogene Basement in the Northern Croatia. <i>Processes</i> , 2020, 8, 755.	2.8	4
7	Recent Advances in Geomathematics in Croatia: Examples from Subsurface Geological Mapping and Biostatistics. <i>Geosciences (Switzerland)</i> , 2020, 10, 188.	2.2	1
8	Morphometric Characteristics, Shapes and Provenance of Holocene Pebbles from the Sava River Gravels (Zagreb, Croatia). <i>Geosciences (Switzerland)</i> , 2020, 10, 92.	2.2	4
9	Increasing Efficiency of Field Water Re-Injection during Water-Flooding in Mature Hydrocarbon Reservoirs: A Case Study from the Sava Depression, Northern Croatia. <i>Sustainability</i> , 2020, 12, 786.	3.2	6
10	Application of the Modified Shepard's Method (MSM): A Case Study with the Interpolation of Neogene Reservoir Variables in Northern Croatia. <i>Stats</i> , 2020, 3, 68-83.	0.9	12
11	Application of the Radial Basis Function interpolation method in selected reservoirs of the Croatian part of the Pannonian Basin System. <i>Mining of Mineral Deposits</i> , 2020, 14, 37-42.	2.8	5
12	Interpolation of Small Datasets in the Sandstone Hydrocarbon Reservoirs, Case Study of the Sava Depression, Croatia. <i>Geosciences (Switzerland)</i> , 2019, 9, 201.	2.2	9
13	Kriging with a Small Number of Data Points Supported by Jack-Knifing, a Case Study in the Sava Depression (Northern Croatia). <i>Geosciences (Switzerland)</i> , 2019, 9, 36.	2.2	16
14	Stochastic — advantages and uncertainties for subsurface geological mapping and volumetric or probability calculation. <i>Materials and Geoenvironment</i> , 2018, 65, 9-20.	0.2	4
15	The Universal Kriging Mapping of the Neogene EL-markers Rs5 and $\hat{P}$ , Northern Croatia. <i>Materials and Geoenvironment</i> , 2018, 65, 187-198.	0.2	2
16	Geological probability calculation of new gas discoveries in wider area of Ivana and Ika Gas Fields, Northern Adriatic, Croatia. <i>Materials and Geoenvironment</i> , 2016, 63, 127-138.	0.2	4
17	Distribution of potentially toxic metals (As, Cu, Hg, Pb and Zn) in the topsoil of the Pannonian Basin System and associated parts of the surrounding orogens. <i>Journal of Maps</i> , 2016, 12, 968-974.	2.0	3
18	Regional turbidites and turbiditic environments developed during Neogene and Quaternary in Croatia. <i>Materials and Geoenvironment</i> , 2016, 63, 39-54.	0.2	7

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19	Remapping of depth of e-log markers between Neogene basement and Lower/Upper Pannonian border in the Bjelovar Subdepression. <i>Journal of Maps</i> , 2016, 12, 45-52.	2.0	5
20	Određivanje novih pliocenskih, pleistocenskih i holocenskih litostratigrafskih jedinica u hrvatskom dijelu Jadrana (priobalju). <i>Geoadria</i> , 2016, 20, .	0.3	2
21	STRATIGRAPHY AND PETROLEUM GEOLOGY OF THE CROATIAN PART OF THE ADRIATIC BASIN. <i>Journal of Petroleum Geology</i> , 2015, 38, 281-300.	1.5	25
22	Prospects for CO2 carbonation and storage in Upper Miocene sandstone of Sava Depression, Croatia. <i>Geological Quarterly</i> , 2015, , .	0.2	2
23	Low permeability Neogene lithofacies in Northern Croatia as potential unconventional hydrocarbon reservoirs. <i>Open Geosciences</i> , 2014, 6, 182-194.	1.7	5
24	Increased hydrocarbon recovery and CO2 storage in Neogene sandstones, a Croatian example: part II. <i>Environmental Earth Sciences</i> , 2014, 71, 3641-3653.	2.7	10
25	Increased hydrocarbon recovery and CO2 management, a Croatian example. <i>Environmental Earth Sciences</i> , 2013, 68, 1187-1197.	2.7	17
26	Sequential Indicator Simulations maps of porosity, depth and thickness of Miocene clastic sediments in the Kloštar field, Northern Croatia. <i>Journal of Maps</i> , 2013, 9, 550-557.	2.0	7
27	The Advantages of Using Sequential Stochastic Simulations when Mapping Small-Scale Heterogeneities of the Groundwater Level. <i>Journal of Environmental Geography</i> , 2013, 6, 39-47.	0.5	10
28	Plioceneâ€“Quaternary stratigraphy and sedimentation at the Neretva River Mouth, on the Croatian Adriatic Coast. <i>Geological Quarterly</i> , 2013, 57, 233-242.	0.2	4
29	Characterization of clastic sedimentary environments by clustering algorithm and several statistical approaches â€” case study, Sava Depression in Northern Croatia. <i>Central European Geology</i> , 2013, 56, 281-296.	0.4	0
30	Thickness maps of Neogene and Quaternary sediments in the Kloštar Field (Sava Depression, Croatia). <i>Journal of Maps</i> , 2012, 8, 260-266.	2.0	6
31	STATISTICAL ANALYSIS OF DIPMETER LOGS FROM EXPLORATION WELLS IN THE DRAVA DEPRESSION, NORTHERN CROATIA. <i>Journal of Petroleum Geology</i> , 2012, 35, 343-356.	1.5	2
32	Unconventional hydrocarbon resources of the Bjelovar Subdepression (Pannonian Basin System) in Croatia: an overview. <i>Geologica Carpathica</i> , 2012, 63, 481-489.	0.7	2
33	Reservoir Geology, Hydrocarbon Reserves and Production in the Croatian part of the Pannonian Basin. <i>Geologia Croatica</i> , 2012, 65, 91-101.	0.8	16
34	Review of Miocene shallow marine and lacustrine depositional environments in Northern Croatia. <i>Geological Quarterly</i> , 2012, 56, 493-504.	0.2	23
35	Local sediment sources and palaeoflow directions in Upper Miocene turbidites of the Pannonian Basin System (Croatian part), based on mapping of reservoir properties. <i>Geological Quarterly</i> , 2012, 56, .	0.2	4
36	Palaeospastic reconstruction of syndepositional tectonics of Neogene and Quaternary sediments in the Kloštar Field (Sava Depression, Pannonian Basin, Croatia). <i>Zeitschrift Der Deutschen Gesellschaft Fur Geowissenschaften</i> , 2011, 162, 193-201.	0.4	7

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37	Geological maps of Neogene sediments in the Bjelovar Subdepression (northern Croatia). <i>Journal of Maps</i> , 2011, 7, 304-317.	2.0	12
38	Stochastic simulations of dependent geological variables in sandstone reservoirs of Neogene age: A case study of KloÅŦtar Field, Sava Depression. <i>Geologia Croatica</i> , 2011, 64, 173-183.	0.8	11
39	Sedimentation of deep-water turbidites in the SW part of the Pannonian Basin. <i>Geologica Carpathica</i> , 2010, 61, 55-69.	0.7	20
40	Neural networks in petroleum geology as interpretation tools. <i>Central European Geology</i> , 2010, 53, 97-115.	0.4	8
41	Relations between effective thickness, gas production and porosity in heterogeneous reservoirs: an example from the Molve Field, Croatian Pannonian Basin. <i>Petroleum Geoscience</i> , 2010, 16, 41-51.	1.5	8
42	Application of Neural Networks in Petroleum Reservoir Lithology and Saturation Prediction. <i>Geologia Croatica</i> , 2009, 62, 115-121.	0.8	16
43	Comparison between the Middle Miocene and the Upper Miocene source rock formations in the Sava Depression (Pannonian Basin, Croatia). <i>Geologia Croatica</i> , 2009, 62, 123-133.	0.8	9
44	Kriging, cokriging or stochastic simulations, and the choice between deterministic or sequential approaches. <i>Geologia Croatica</i> , 2008, 61, 37-47.	0.8	12
45	Selection of the most appropriate interpolation method for sandstone reservoirs in the KloÅŦtar oil and gas field. <i>Geologia Croatica</i> , 2008, 61, 27-35.	0.8	16
46	Qualitativeâ€“Quantitative Analyses of the Influence of Depth and Lithological Composition on Lower Pontian Sandstone Porosity in the Central Part of Bjelovar Sag (Croatia). <i>Geologia Croatica</i> , 2005, 58, 73-85.	0.8	14
47	Volcanoes. , 2002, , 79-147.		0
48	A Practical guide to the superintendent of documents classification system. <i>Government Publications Review (New York, N Y: 1982)</i> , 1986, 13, 800-801.	0.1	8
49	Neogene Tectonics in Croatian Part of the Pannonian Basin and Reflectance in Hydrocarbon Accumulations. , 0, , .		22
50	Application of the bootstrap method in low-sampled Upper Miocene sandstone hydrocarbon reservoirs: a case study. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-15.	2.3	3