Tomas Vitvar

List of Publications by Year in descending order

32 papers	1,214 citations	471509 17 h-index	501196 28 g-index
35 all docs	35 docs citations	35 times ranked	1615 citing authors

#	Article	IF	Citations
1	Effects of suburban development on runoff generation in the Croton River basin, New York, USA. Journal of Hydrology, 2005, 311, 266-281.	5.4	224
2	A comparative study in modelling runoff and its components in two mountainous catchments. Hydrological Processes, 2003, 17, 297-311.	2.6	134
3	Impact of land use on water quality in the upper Nisa catchment in the Czech Republic and in Germany. Science of the Total Environment, 2017, 586, 1316-1325.	8.0	103
4	Swiss prealpine Rietholzbach research catchment and lysimeter: 32 year time series and 2003 drought event. Water Resources Research, 2012, 48, .	4.2	96
5	Estimation of mean water residence times and runoff generation by180 measurements in a Pre-Alpine catchment (Rietholzbach, Eastern Switzerland). Applied Geochemistry, 1997, 12, 787-796.	3.0	89
6	Hydrological and geochemical factors affecting leachate composition in municipal solid waste incinerator bottom ash. Journal of Contaminant Hydrology, 1998, 33, 361-376.	3.3	58
7	Estimation of baseflow residence times in watersheds from the runoff hydrograph recession: method and application in the Neversink watershed, Catskill Mountains, New York. Hydrological Processes, 2002, 16, 1871-1877.	2.6	55
8	Flow pattern and residence time of groundwater within the south-eastern Taoudeni sedimentary basin (Burkina Faso, Mali). Journal of Hydrology, 2011, 409, 423-439.	5.4	54
9	Run-off formation in a humid, temperate headwater catchment using a combined hydrological, hydrochemical and isotopic approach (Jizera Mountains, Czech Republic). Hydrological Processes, 2014, 28, 3217-3229.	2.6	53
10	The response of the water fluxes of the boreal forest region at the Volga's source area to climatic and land-use changes. Physics and Chemistry of the Earth, 2002, 27, 675-690.	2.9	47
11	Age dating base flow at springs and gaining streams using heliumâ€3 and tritium: Fischaâ€Dagnitz system, southern Vienna Basin, Austria. Water Resources Research, 2010, 46, .	4.2	44
12	Global network is launched to monitor isotopes in rivers. Eos, 2007, 88, 325-326.	0.1	43
13	A Multi-Index Analysis Approach to Heavy Metal Pollution Assessment in River Sediments in the Ponce EnrÃquez Area, Ecuador. Water (Switzerland), 2019, 11, 590.	2.7	27
14	A simplified approach to analysing historical and recent tritium data in surface waters. Hydrological Processes, 2015, 29, 572-578.	2.6	25
15	Acid rain footprint three decades after peak deposition: Long-term recovery from pollutant sulphate in the Uhlirska catchment (Czech Republic). Science of the Total Environment, 2017, 598, 1037-1049.	8.0	21
16	Effects of combined sewer overflows and storm water drains on metal bioavailability in small urban streams (Prague metropolitan area, Czech Republic). Journal of Soils and Sediments, 2016, 16, 1569-1583.	3.0	19
17	Rainwater propagation through snowpack during rain-on-snow sprinkling experiments under different snow conditions. Hydrology and Earth System Sciences, 2017, 21, 4973-4987.	4.9	19
18	Global Hydrological Isotope Data and Data Networks. , 2010, , 33-50.		18

#	Article	IF	Citations
19	Application of geochemical and stable isotopic tracers to investigate groundwater salinity in the Ochi-Narkwa Basin, Ghana. Hydrological Sciences Journal, 2017, 62, 1301-1316.	2.6	16
20	Isotopic tracing of the outflow during artificial rain-on-snow event. Journal of Hydrology, 2016, 541, 1145-1154.	5.4	13
21	Pre-event water contributions and streamwater residence times in different land use settings of the transboundary mesoscale LuÅ¾ickÃ¡ Nisa catchment. Journal of Hydrology and Hydromechanics, 2017, 65, 154-164.	2.0	10
22	Groundwater recharge and residence times evaluated by isotopes of hydrogen and oxygen, noble gases and CFCs in a mountain catchment in the Jizera Mts., northern Czech Republic. Geochemical Journal, 2017, 51, 423-437.	1.0	10
23	A Tri-National program for estimating the link between snow resources and hydrological droughts. Proceedings of the International Association of Hydrological Sciences, 0, 369, 25-30.	1.0	7
24	Groundwater residence time in basement aquifers of the Ochi-Narkwa Basin in the Central Region of Ghana. Journal of African Earth Sciences, 2017, 134, 590-599.	2.0	6
25	Seasonal Subsurface Water Contributions to Baseflow in the Mountainous UhlÃÅ™skÃ¡ Catchment (Czech) Tj ETQq1 1 0.784314 rgBT	2.0	6
26	A Comparative Study of Mining Control in Latin America. Mining, 2021, 1, 6-18.	2.4	5
27	How empathy-based sensitisation and knowledge reinforcement affect policy compliance: a case study of dolphin watching, Ecuador. Australian Journal of Environmental Education, 0, , 1-21.	2.2	3
28	Thematic Issue on Snow Resources and Hydrological Cycle. Journal of Hydrology and Hydromechanics, 2019, 67, 1-3.	2.0	3
29	Large scale manipulation of the interactions between key ecosystem processes at multiple scales: why and how the falcon array of artificial catchments was built. European Journal of Environmental Sciences, 2020, 10, 51-60.	0.2	3
30	Revealing subsurface processes in the UhlÃÅ™skÃ¡ catchment through combined modelling of unsaturated and saturated flow. Hydrological Processes, 2022, 36, .	2.6	2
31	Hydrological and Biogeochemical Characterization of the Danube River System Using Isotopes. Handbook of Environmental Chemistry, 2014, , 503-518.	0.4	1
32	Springs Connect People and Landscapes â€“ Environmental Education and Cooperation in the Region Liberec-Zittau. ACC Journal, 2017, 23, 15-26.	0.2	0