

# Vilim FilipoviÄ

## List of Publications by Year in descending order

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Version: 2024-02-01

50  
papers

892  
citations

566801

15  
h-index

525886

27  
g-index

54  
all docs

54  
docs citations

54  
times ranked

1101  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of sewage sludge-derived amendments on the nutrient uptake by Chinese cabbage from Mediterranean soils. <i>Journal of Plant Nutrition</i> , 2023, 46, 1421-1445.	0.9	5
2	Modeling seasonal soil moisture dynamics in gley soils in relation to groundwater table oscillations in eastern Croatia. <i>Catena</i> , 2022, 211, 105987.	2.2	3
3	Effect of slope position on soil properties and soil moisture regime of Stagnosol in the vineyard. <i>Journal of Hydrology and Hydromechanics</i> , 2022, 70, 62-73.	0.7	9
4	Estimation of Stagnosol Hydraulic Properties and Water Flow Using Uni- and Bimodal Porosity Models in Erosion-Affected Hillslope Vineyard Soils. <i>Agronomy</i> , 2022, 12, 33.	1.3	6
5	UTILIZING STABLE WATER ISOTOPES ( $\delta^2\text{H}$ AND $\delta^{18}\text{O}$ ) TO STUDY SOIL-WATER ORIGIN IN SLOPED VINEYARD: FIRST RESULTS. <i>Rudarsko Geolosko Naftni Zbornik</i> , 2022, 38, 1-14.	0.2	4
6	Agriculture management and seasonal impact on soil properties, water, sediment and chemicals transport in a hazelnut orchard (Croatia). <i>Science of the Total Environment</i> , 2022, 839, 156346.	3.9	12
7	Tracing lateral subsurface flow in layered soils by undisturbed monolith sampling, targeted laboratory experiments, and model-based analysis. <i>Vadose Zone Journal</i> , 2022, 21, .	1.3	2
8	Evaluation of a Sprayable Biodegradable Polymer Membrane (SBPM) Technology for soil water conservation in tomato and watermelon production systems. <i>Agricultural Water Management</i> , 2021, 243, 106446.	2.4	8
9	Biomass bottom ash & dolomite similarly ameliorate an acidic low-nutrient soil, improve phytonutrition and growth, but increase Cd accumulation in radish. <i>Science of the Total Environment</i> , 2021, 753, 141902.	3.9	32
10	Spatial mapping of soil chemical properties using multivariate geostatistics. A study from cropland in eastern Croatia. <i>Journal of Central European Agriculture</i> , 2021, 22, 201-210.	0.3	6
11	Succession of Microbial Community in a Small Water Body within the Alluvial Aquifer of a Large River. <i>Water (Switzerland)</i> , 2021, 13, 115.	1.2	5
12	Growth and Element Uptake by Salt-Sensitive Crops under Combined NaCl and Cd Stresses. <i>Plants</i> , 2021, 10, 1202.	1.6	20
13	Determination of Soil Hydraulic Parameters and Evaluation of Water Dynamics and Nitrate Leaching in the Unsaturated Layered Zone: A Modeling Case Study in Central Croatia. <i>Sustainability</i> , 2021, 13, 6688.	1.6	6
14	Hyperaccumulators for Potentially Toxic Elements: A Scientometric Analysis. <i>Agronomy</i> , 2021, 11, 1729.	1.3	7
15	Effect of sewage sludge derived compost or biochar amendment on the phytoaccumulation of potentially toxic elements and radionuclides by Chinese cabbage. <i>Journal of Environmental Management</i> , 2021, 293, 112955.	3.8	15
16	Bioashes and their potential for reuse to sustain ecosystem services and underpin circular economy. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 151, 111540.	8.2	8
17	A review of time domain reflectometry (TDR) applications in porous media. <i>Advances in Agronomy</i> , 2021, 168, 83-155.	2.4	38
18	Response of Soil Dehydrogenase Activity to Salinity and Cadmium Species. <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 530-536.	1.7	13

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19	A Sprayable Biodegradable Polymer Membrane (SBPM) technology: Effect of band width and application rate on water conservation and seedling emergence. <i>Agricultural Water Management</i> , 2020, 230, 105900.	2.4	15
20	The effects of irrigation water salinity level on faba bean ( <i>Vicia faba</i> L.) productivity. <i>Journal of Central European Agriculture</i> , 2020, 21, 537-542.	0.3	3
21	Estimation of vineyard soil structure and preferential flow using dye tracer, X-ray tomography, and numerical simulations. <i>Geoderma</i> , 2020, 380, 114699.	2.3	25
22	Modeling Water Flow and Phosphorus Sorption in a Soil Amended with Sewage Sludge and Olive Pomace as Compost or Biochar. <i>Agronomy</i> , 2020, 10, 1163.	1.3	15
23	Agricultural Management Strategies for Countering Drought Conditions in Eastern Croatia. , 2020, , .		0
24	Short-Term Impact of Tillage on Soil and the Hydrological Response within a Fig ( <i>Ficus Carica</i> ) Orchard in Croatia. <i>Water (Switzerland)</i> , 2020, 12, 3295.	1.2	15
25	Microplastics in Terrestrial Ecosystems: A Scientometric Analysis. <i>Sustainability</i> , 2020, 12, 8739.	1.6	46
26	Initial Experimental Experience with a Sprayable Biodegradable Polymer Membrane (SBPM) Technology in Cotton. <i>Agronomy</i> , 2020, 10, 584.	1.3	11
27	Modeling carbamazepine transport in wastewater-irrigated soil under different land uses. <i>Journal of Environmental Quality</i> , 2020, 49, 1011-1019.	1.0	10
28	Sprayable Biodegradable Polymer Membrane Technology for Cropping Systems: Challenges and Opportunities. <i>Environmental Science &amp; Technology</i> , 2020, 54, 4709-4711.	4.6	23
29	Land management impacts on soil properties and initial soil erosion processes in olives and vegetable crops. <i>Journal of Hydrology and Hydromechanics</i> , 2020, 68, 328-337.	0.7	16
30	The effect of stabilization on the utilization of municipal sewage sludge as a soil amendment. <i>Waste Management</i> , 2019, 94, 27-38.	3.7	39
31	Representation of Plot-scale Soil Heterogeneity in Dual-Domain Effective Flow and Transport Models with Mass Exchange. <i>Vadose Zone Journal</i> , 2019, 18, 1-14.	1.3	9
32	Global environmental changes impact soil hydraulic functions through biophysical feedbacks. <i>Global Change Biology</i> , 2019, 25, 1895-1904.	4.2	60
33	Estimating the extent of fire induced soil water repellency in Mediterranean environment. <i>Geoderma</i> , 2019, 338, 187-196.	2.3	16
34	Organic matter and salinity modify cadmium soil (phyto)availability. <i>Ecotoxicology and Environmental Safety</i> , 2018, 147, 824-831.	2.9	79
35	Quantifying Subsurface Lateral Flow along Sloping Horizon Boundaries in Soil Profiles of a Hummocky Ground Moraine. <i>Vadose Zone Journal</i> , 2018, 17, 170106.	1.3	12
36	Inverse estimation of soil hydraulic properties and water repellency following artificially induced drought stress. <i>Journal of Hydrology and Hydromechanics</i> , 2018, 66, 170-180.	0.7	16

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37	QUALITY OF SURFACE WATER IN THE AGRICULTURAL DISTRICT LONJA FIELD (CROATIA). Agriculture and Forestry, 2017, 63, .	0.0	0
38	Modelling Water Dynamics, Transport Processes and Biogeochemical Reactions in Soil Vadose Zone. , 2016, , .		3
39	Water flow and solute transport model of potentially toxic elements through unsaturated zone at regional wellfield Kosnica. Hydrological Processes, 2016, 30, 4113-4124.	1.1	8
40	Modeling Copper and Cadmium Mobility in an Albeluvisol Amended with Urban Waste Composts. Vadose Zone Journal, 2016, 15, 1-15.	1.3	12
41	Plastic mulch and nitrogen fertigation in growing vegetables modify soil temperature, water and nitrate dynamics: Experimental results and a modeling study. Agricultural Water Management, 2016, 176, 100-110.	2.4	69
42	Modeling water and isotopuron dynamics in a heterogeneous soil profile under different urban waste compost applications. Geoderma, 2016, 268, 29-40.	2.3	20
43	Efficiency of maize irrigation scheduling in climate variability and extreme weather events in eastern Croatia. Journal of Water and Climate Change, 2015, 6, 586-595.	1.2	6
44	Modeling water flow and nitrate–nitrogen transport on golf course under turfgrass. Journal of Soils and Sediments, 2015, 15, 1847-1859.	1.5	14
45	Evaluation of different soil water potential by field capacity threshold in combination with a triggered irrigation module. Soil and Water Research, 2015, 10, 164-171.	0.7	9
46	Land and Water Management Strategies for the Improvement of Crop Production. , 2014, , 291-313.		10
47	Soil tillage to reduce surface metal contamination – model development and simulations of zinc and copper concentration profiles in a pig slurry-amended soil. Agriculture, Ecosystems and Environment, 2014, 196, 59-68.	2.5	35
48	Numerical simulation of water flow in tile and mole drainage systems. Agricultural Water Management, 2014, 146, 105-114.	2.4	45
49	Modeling the effect of soil structure on water flow and isotopuron dynamics in an agricultural field receiving repeated urban waste compost application. Science of the Total Environment, 2014, 499, 546-559.	3.9	36
50	Experimental and mathematical modeling of water regime and nitrate dynamics on zero tension plate lysimeters in soil influenced by high groundwater table. Nutrient Cycling in Agroecosystems, 2013, 95, 23-42.	1.1	14