

Evgeny Shein

List of Publications by Year in descending order

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56
papers

550
citations

687363

13
h-index

713466

21
g-index

56
all docs

56
docs citations

56
times ranked

442
citing authors

#	ARTICLE	IF	CITATIONS
1	The particle-size distribution in soils: Problems of the methods of study, interpretation of the results, and classification. <i>Eurasian Soil Science</i> , 2009, 42, 284-291.	1.6	65
2	Influence of root density on the critical soil water potential. <i>Plant and Soil</i> , 1995, 171, 351-357.	3.7	32
3	Pedotransfer functions: State of the art, problems, and outlooks. <i>Eurasian Soil Science</i> , 2006, 39, 1089-1099.	1.6	29
4	The Impact of Multiple Freeze-Thaw Cycles on the Microstructure of Aggregates from a Soddy-Podzolic Soil: A Microtomographic Analysis. <i>Eurasian Soil Science</i> , 2018, 51, 190-198.	1.6	29
5	Rheological properties of typical chernozems (Kursk oblast) under different land uses. <i>Eurasian Soil Science</i> , 2016, 49, 890-897.	1.6	28
6	Physicochemical bases of differences between the sedimentometric and laser-diffraction techniques of soil particle-size analysis. <i>Eurasian Soil Science</i> , 2007, 40, 281-288.	1.6	24
7	The effect of organic matter on the difference between particle-size distribution data obtained by the sedimentometric and laser diffraction methods. <i>Eurasian Soil Science</i> , 2006, 39, S84-S90.	1.6	21
8	Soil hydrology: Stages of development, current state, and nearest prospects. <i>Eurasian Soil Science</i> , 2010, 43, 158-167.	1.6	21
9	Pore-size distribution in loamy soils: A comparison between microtomographic and capillarimetric determination methods. <i>Eurasian Soil Science</i> , 2016, 49, 315-325.	1.6	20
10	Sensitivity assessment, adjustment, and comparison of mathematical models describing the migration of pesticides in soil using lysimetric data. <i>Eurasian Soil Science</i> , 2009, 42, 769-777.	1.6	19
11	Tomography of Soil Pores: from Morphological Characteristics to Structural-Functional Assessment of Pore Space. <i>Eurasian Soil Science</i> , 2019, 52, 50-57.	1.6	17
12	Current problems in the study of colloidal transport in soil. <i>Eurasian Soil Science</i> , 2007, 40, 399-408.	1.6	16
13	Spatial distribution of heavy metals in soils of the Bafra plain in Turkey. <i>Eurasian Soil Science</i> , 2011, 44, 1343-1351.	1.6	15
14	Changes in the physical properties of typical chernozems of Kursk oblast under the conditions of a long-term stationary experiment. <i>Eurasian Soil Science</i> , 2011, 44, 1097-1103.	1.6	15
15	Physically based mathematical models in soil science: History, current state, problems, and outlook (Analytical Review). <i>Eurasian Soil Science</i> , 2015, 48, 712-718.	1.6	13
16	Physical properties of soils and the simulation of the hydrothermal regime for the complex soil cover of the Vladimir Opolâ€™e region. <i>Eurasian Soil Science</i> , 2012, 45, 968-976.	1.6	12
17	Structural status of technogenic soils and the development of preferential water flows. <i>Eurasian Soil Science</i> , 2009, 42, 636-644.	1.6	11
18	Water Retention Capacity of Soils in the Altai Region. <i>Eurasian Soil Science</i> , 2019, 52, 187-192.	1.6	11

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19	Assessment of soil flooding in cities by electrophysical methods. Eurasian Soil Science, 2008, 41, 1059-1065.	1.6	10
20	Assessment of agronomic homogeneity and compatibility of soils in the Vladimir Opolie region. Eurasian Soil Science, 2017, 50, 1166-1172.	1.6	10
21	Comparison Between Particle Size Distribution as a Predictor of Pedotransfer Functions using Laser Diffraction and Sedimentation Methods. International Journal of Soil Science, 2017, 12, 65-71.	0.7	10
22	Temperature field of complex soilscapes (by the example of the Vladimir opolie region). Eurasian Soil Science, 2009, 42, 129-136.	1.6	9
23	Aggregate formation in salt-affected soils of the Baer mounds. Eurasian Soil Science, 2013, 46, 401-412.	1.6	8
24	Hydrophysical Properties of the High-Ash Lowmoor Peat Soils. Eurasian Soil Science, 2018, 51, 1214-1219.	1.6	8
25	Prediction of pesticide migration in soils: The role of experimental soil control. Moscow University Soil Science Bulletin, 2017, 72, 185-190.	0.7	7
26	Quantitative Estimate of the Heterogeneity of Solute Fluxes Using the Dispersivity Length for Mathematical Models of Pesticide Migration in Soils. Eurasian Soil Science, 2018, 51, 797-802.	1.6	7
27	Theoretical principles of experimental methods for determining the thermal diffusivity of soils. Eurasian Soil Science, 2010, 43, 556-564.	1.6	6
28	Agrophysical assessment of alluvial calcareous soils of the Aumra region of Central Anatolia in Turkey. Eurasian Soil Science, 2014, 47, 694-698.	1.6	6
29	Support Vector Machine and Nonlinear Regression Methods for Estimating Saturated Hydraulic Conductivity. Moscow University Soil Science Bulletin, 2018, 73, 129-133.	0.7	6
30	Quantitative Analysis of Pore Space Structure in Dry and Wet Soil by Integral Geometry Methods. Geosciences (Switzerland), 2020, 10, 365.	2.2	6
31	Estimating Soil Thermal Diffusivity Using Pedotransfer Functions with Nonlinear Regression. Open Agriculture Journal, 2018, 12, 164-173.	0.8	6
32	The use of the PEARL model for assessing the migration of metribuzin in soil. Eurasian Soil Science, 2006, 39, 597-603.	1.6	5
33	Modelling and validation hysteresis in soil water retention curve using tomography of pore structure. International Journal of Water, 2018, 12, 370.	0.1	5
34	Formation of Vesicular Pores in Aggregates from the Eluvial Horizon of Albic Glossic Retisol during Freeze-Thaw Cycles. Eurasian Soil Science, 2020, 53, 913-921.	1.6	5
35	Evaluate the Impact of Porous Media Structure on Soil Thermal Parameters Using X-Ray Computed Tomography. Eurasian Soil Science, 2020, 53, 1752-1759.	1.6	5
36	Mathematical models of some soil characteristics: Substantiation, analysis, and using features of model parameters. Eurasian Soil Science, 2013, 46, 541-547.	1.6	4

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37	Mathematical models of soil moisture transfer: Importance of experimental assurance and upper boundary conditions. Moscow University Soil Science Bulletin, 2014, 69, 133-138.	0.7	4
38	Soil water retention curve of agrogray soils: Influence of anisotropy and the scaling factor. Eurasian Soil Science, 2014, 47, 1238-1244.	1.6	4
39	Secondary carbonates in edaphic components of ecosystems. IOP Conference Series: Earth and Environmental Science, 2019, 368, 012020.	0.3	4
40	Simulation of water permeability processes in chernozems of the Kamennaya Steppe. Eurasian Soil Science, 2012, 45, 578-587.	1.6	3
41	Application of neural network pedotransfer functions to calculate soil water retention curve. IOP Conference Series: Earth and Environmental Science, 2019, 368, 012008.	0.3	3
42	Temperature regime of agrosoddy-podzolic soils on slopes of different steepness. Eurasian Soil Science, 2011, 44, 157-162.	1.6	2
43	International symposium soil organic matter dynamics in long-term field experiments and their modelling. Eurasian Soil Science, 2011, 44, 702-704.	1.6	2
44	Clay-salt soil formations in situ and ex situ. Moscow University Soil Science Bulletin, 2015, 70, 50-57.	0.7	2
45	Mineralogy of soils on the Baer mounds in southern Astrakhan oblast. Moscow University Soil Science Bulletin, 2015, 70, 1-9.	0.7	2
46	Estimates of spatial spectra of specific physical parameters of soils based on experimental data. Doklady Earth Sciences, 2008, 421, 954-956.	0.7	1
47	Composition and structure of microaggregates in soils of the Behr hillocks, southern Astrakhan district. Lithology and Mineral Resources, 2014, 49, 23-28.	0.6	1
48	Granulometric composition of the finite moraine ridge soils of the Upper Volga postglacial region (East European plain, Tver region). Dokuchaev Soil Bulletin, 2022, , 5-21.	0.6	1
49	Influence of the Organomineral Gel on the Thermal Diffusivity of Soils. Doklady Chemistry, 2004, 399, 229-231.	0.9	0
50	The international conference "Soil as a Link in the Functioning of Natural and Anthropogenically Modified Ecosystems". Eurasian Soil Science, 2007, 40, 350-350.	1.6	0
51	S.A. Vladychenskii as a teacher. Eurasian Soil Science, 2008, 41, 1022-1024.	1.6	0
52	Thermophysical Properties of Histosols on Lowmoor Peat. Eurasian Soil Science, 2019, 52, 1363-1368.	1.6	0
53	Comparison of four classical algorithms to determine the apparent thermal diffusivity of heavy clay soil in field and laboratory column experiments. IOP Conference Series: Earth and Environmental Science, 2019, 368, 012033.	0.3	0
54	Modified soil surface temperature forecasting method for automated data collection systems. IOP Conference Series: Earth and Environmental Science, 2020, 578, 012014.	0.3	0

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55	Optimizing Pedotransfer Functions for Predicting Soil Moisture of Wetting Curve Based on the Effective Degree of Saturation. Eurasian Soil Science, 2021, 54, 399-408.	1.6	0
56	10.1007/s11475-008-2002-5. , 2010, 41, 128.		0