

Georges Vachaud

List of Publications by Year in descending order

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27
papers

764
citations

623188

14
h-index

580395

25
g-index

27
all docs

27
docs citations

27
times ranked

689
citing authors

#	ARTICLE	IF	CITATIONS
1	Hysteresis During Infiltration and Redistribution in a Soil Column at Different Initial Water Contents. <i>Water Resources Research</i> , 1971, 7, 111-127.	1.7	131
2	Modeling water quality in an urban river using hydrological factors – Data driven approaches. <i>Journal of Environmental Management</i> , 2015, 151, 87-96.	3.8	103
3	A Test of the Uniqueness of the Soil Moisture Characteristic During Transient, Nonhysteretic Flow of Water in a Rigid Soil. <i>Soil Science Society of America Journal</i> , 1971, 35, 534-539.	1.2	94
4	A Study of the Uniqueness of the Soil Moisture Characteristic During Desorption by Vertical Drainage. <i>Soil Science Society of America Journal</i> , 1972, 36, 531-532.	1.2	67
5	Experimental investigation and modelling approach of the impact of urban wastewater on a tropical river; a case study of the Nhue River, Hanoi, Viet Nam. <i>Journal of Hydrology</i> , 2007, 334, 347-358.	2.3	65
6	Biochemical modeling of the Nhue River (Hanoi, Vietnam): Practical identifiability analysis and parameters estimation. <i>Ecological Modelling</i> , 2006, 193, 182-204.	1.2	40
7	Sensitivity of a large-scale hydrologic model to quality of input data obtained at different scales; distributed versus stochastic non-distributed modelling. <i>Journal of Hydrology</i> , 2002, 264, 101-112.	2.3	31
8	Flood-related risks in Ho Chi Minh City and ways of mitigation. <i>Journal of Hydrology</i> , 2019, 573, 1021-1027.	2.3	30
9	Nitrogen-15 Tracers Combined with Tensio-Neutronic Method to Estimate the Nitrogen Balance of Irrigated Maize. <i>Soil Science Society of America Journal</i> , 1997, 61, 1508-1518.	1.2	29
10	Sensitivity of computed values of water balance and nitrate leaching to within soil class variability of transport parameters. <i>Journal of Hydrology</i> , 2002, 264, 87-100.	2.3	25
11	Determination of the hydraulic conductivity of unsaturated soils from an analysis of transient flow data. <i>Water Resources Research</i> , 1967, 3, 697-705.	1.7	22
12	Assessment of arsenic concentration in stream water using neuro fuzzy networks with factor analysis. <i>Science of the Total Environment</i> , 2014, 494-495, 202-210.	3.9	19
13	Comments on “A numerical model based on coupled one-dimensional Richards and Boussinesq equations” by Mary F. Pikul, Robert L. Street, and Irwin Remson. <i>Water Resources Research</i> , 1975, 11, 506-509.	1.7	18
14	Balance hidrico de un olivar con riego gota a gota. Resultados de cuatro años de experiencias. <i>Agronomy for Sustainable Development</i> , 1988, 8, 521-537.	0.8	16
15	Influence d'apports de matière organique sur la culture de mil et d'arachide sur un sol sableux du Nord-Sénégal. I. Bilans de consommation, production et développement racinaire. <i>Agronomy for Sustainable Development</i> , 1988, 8, 315-326.	0.8	14
16	Application of excess carbon dioxide partial pressure (E_{pCO_2}) to the assessment of trophic state of surface water in the Red River Delta of Vietnam. <i>International Journal of Environmental Studies</i> , 2009, 66, 27-47.	0.7	10
17	Caractérisation hydrodynamique des sols : analyse simplifiée des essais de drainage interne. <i>Agronomy for Sustainable Development</i> , 1987, 7, 647-655.	0.8	10
18	Stochastic approach of soil water flow through the use of scaling factors: Measurement and simulation. <i>Agricultural Water Management</i> , 1988, 13, 249-261.	2.4	8

#	ARTICLE	IF	CITATIONS
19	The free-water pond under a trickle source: A field test of existing theories. <i>Irrigation Science</i> , 1996, 16, 169-173.	1.3	7
20	Field characterization of the relationship between electrical potential gradients and soil water flux. <i>Comptes Rendus De L'Académie Des Sciences Earth & Planetary Sciences Série II, Sciences De La Terre Et Des Planètes</i> , 1997, 325, 317-321.	0.2	7
21	Automatic measurement of soil-water pressure using a capacitance manometer. <i>Journal of Hydrology</i> , 1980, 46, 189-196.	2.3	6
22	Evapotranspiration en zone semi-aride de deux couverts végétaux (gazon, blé) obtenue par plusieurs méthodes. II. - Méthodes neutroniques et tensiométriques. <i>Agronomy for Sustainable Development</i> , 1985, 5, 267-274.	0.8	5
23	Evaluation of the WAVE Model for Predicting Nitrate Leaching for Two Contrasted Soil and Climate Conditions. <i>Vadose Zone Journal</i> , 2003, 2, 76-89.	1.3	4
24	Etude méthodologique de l'alimentation hydrique de deux variétés de riz pluvial à l'échelle d'une parcelle. <i>Agronomy for Sustainable Development</i> , 1982, 2, 871-883.	0.8	2
25	Ho Chi Minh Ville, des inondations à la submersion. <i>EchoGéo</i> , 2020, , .	0.3	1
26	Reply [to "Comments on "Determination of the Hydraulic Conductivity of Unsaturated Soils from an Analysis of Transient Flow Data"™ by Georges Vachaud"]. <i>Water Resources Research</i> , 1968, 4, 661-664.	1.7	0
27	A new direction for the <i>Journal of Hydrology</i> . <i>Journal of Hydrology</i> , 1997, 199, 1-2.	2.3	0