

# Yves Coquet

## List of Publications by Year in descending order

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69  
papers

2,036  
citations

201385

27  
h-index

253896

43  
g-index

70  
all docs

70  
docs citations

70  
times ranked

2329  
citing authors

#	ARTICLE	IF	CITATIONS
1	Temporal and spatial variability of soil bulk density and near-saturated hydraulic conductivity under two contrasted tillage management systems. <i>Geoderma</i> , 2009, 152, 85-94.	2.3	162
2	Tillage management effects on pesticide fate in soils. A review. <i>Agronomy for Sustainable Development</i> , 2010, 30, 367-400.	2.2	151
3	Impact of rainfall intensity on the transport of two herbicides in undisturbed grassed filter strip soil cores. <i>Journal of Contaminant Hydrology</i> , 2005, 81, 63-88.	1.6	102
4	Morphological characterisation of soil structure in tilled fields: from a diagnosis method to the modelling of structural changes over time. <i>Soil and Tillage Research</i> , 2004, 79, 33-49.	2.6	91
5	Development and analysis of the Soil Water Infiltration Global database. <i>Earth System Science Data</i> , 2018, 10, 1237-1263.	3.7	85
6	Variation of hydraulic conductivity in a tilled soil. <i>European Journal of Soil Science</i> , 2002, 53, 619-628.	1.8	60
7	Increased nitrogen availability in soil after repeated compost applications: Use of the PASTIS model to separate short and long-term effects. <i>Soil Biology and Biochemistry</i> , 2013, 65, 144-157.	4.2	56
8	Modeling the effect of soil meso- and macropores topology on the biodegradation of a soluble carbon substrate. <i>Advances in Water Resources</i> , 2015, 83, 123-136.	1.7	54
9	Hydraulic conductivity and porosity under conventional and no-tillage and the effect of three species of cover crop in northern France. <i>Soil Use and Management</i> , 2007, 23, 230-237.	2.6	53
10	Spatial variability in <sup>14</sup> C-herbicide degradation in surface and subsurface soils. <i>Pest Management Science</i> , 2005, 61, 845-855.	1.7	52
11	Effects of temperature and water content on degradation of isoproturon in three soil profiles. <i>Chemosphere</i> , 2006, 64, 1053-1061.	4.2	49
12	Dye tracer infiltration in the plough layer after straw incorporation. <i>Geoderma</i> , 2007, 137, 360-369.	2.3	48
13	Pesticide contamination interception strategy and removal efficiency in forest buffer and artificial wetland in a tile-drained agricultural watershed. <i>Chemosphere</i> , 2013, 91, 1289-1296.	4.2	47
14	Numerical simulation of water flow in tile and mole drainage systems. <i>Agricultural Water Management</i> , 2014, 146, 105-114.	2.4	45
15	Water and Solute Transport in a Cultivated Silt Loam Soil: 1. Field Observations. <i>Vadose Zone Journal</i> , 2005, 4, 573-586.	1.3	43
16	A simple heat and moisture transfer model to predict ground temperature for shallow ground heat exchangers. <i>Renewable Energy</i> , 2017, 103, 295-307.	4.3	42
17	Vertical variation of near-saturated hydraulic conductivity in three soil profiles. <i>Geoderma</i> , 2005, 126, 181-191.	2.3	41
18	Spatial variability of pesticide adsorption within the topsoil of a small agricultural catchment. <i>Agronomy for Sustainable Development</i> , 2002, 22, 389-398.	0.8	41

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19	Selected pesticides adsorption and desorption in substrates from artificial wetland and forest buffer. <i>Environmental Toxicology and Chemistry</i> , 2011, 30, 1669-1676.	2.2	40
20	Biodegradability of Polyhydroxybutyrate (co $\alpha$ -hydroxyvalerate) and Starch $\alpha$ -Incorporated Polyethylene Plastic Films in Soils. <i>Journal of Environmental Quality</i> , 1991, 20, 173-179.	1.0	38
21	Effects of tillage and fallow period management on soil physical behaviour and maize development. <i>Agricultural Water Management</i> , 2011, 102, 74-85.	2.4	36
22	Epoxiconazole degradation from artificial wetland and forest buffer substrates under flooded conditions. <i>Chemical Engineering Journal</i> , 2011, 173, 760-765.	6.6	36
23	Modeling the effect of soil structure on water flow and isoproturon dynamics in an agricultural field receiving repeated urban waste compost application. <i>Science of the Total Environment</i> , 2014, 499, 546-559.	3.9	36
24	Functional test of pedotransfer functions to predict water flow and solute transport with the dual-permeability model MACRO. <i>Hydrology and Earth System Sciences</i> , 2012, 16, 2069-2083.	1.9	35
25	Potential of SPOT Multispectral Satellite Images for Mapping Topsoil Organic Carbon Content over Peri-Urban Croplands. <i>Soil Science Society of America Journal</i> , 2013, 77, 2122-2139.	1.2	35
26	Effect of Urban Waste Compost Application on Soil Near $\alpha$ -Saturated Hydraulic Conductivity. <i>Journal of Environmental Quality</i> , 2009, 38, 772-781.	1.0	29
27	Hydrodynamic parameters of a sandy soil determined by ground $\alpha$ -penetrating radar inside a single ring infiltrometer. <i>Water Resources Research</i> , 2014, 50, 5459-5474.	1.7	29
28	Artificial Wetland and Forest Buffer Zone: Hydraulic and Tracer Characterization. <i>Vadose Zone Journal</i> , 2010, 9, 73.	1.3	28
29	Variation of pesticide sorption isotherm in soil at the catchment scale. <i>Pest Management Science</i> , 2003, 59, 69-78.	1.7	25
30	Water and Solute Transport in a Cultivated Silt Loam Soil: 2. Numerical Analysis. <i>Vadose Zone Journal</i> , 2005, 4, 587-601.	1.3	25
31	Axisymmetrical Infiltration in Soil Imaged by Noninvasive Electrical Resistivity. <i>Soil Science Society of America Journal</i> , 2009, 73, 510-520.	1.2	24
32	Hydraulic Conductivity, Immobile Water Content, and Exchange Coefficient in Three Soil Profiles. <i>Soil Science Society of America Journal</i> , 2006, 70, 1272-1280.	1.2	22
33	Sensitivity Analysis of Transient $\alpha$ -MIM HYDRUS $\alpha$ -1D: Case Study Related to Pesticide Fate in Soils. <i>Vadose Zone Journal</i> , 2009, 8, 1064-1079.	1.3	22
34	Sorption of Pesticides Atrazine, Isoproturon, and Metamitron in the Vadose Zone. <i>Vadose Zone Journal</i> , 2003, 2, 40-51.	1.3	21
35	The transferability of Australian pedotransfer functions for predicting water retention characteristics of French soils. <i>Soil Use and Management</i> , 2006, 22, 62-70.	2.6	20
36	Assessment of pedotransfer functions for estimating soil water retention curves for the amazon region. <i>Revista Brasileira De Ciencia Do Solo</i> , 2014, 38, 730-743.	0.5	20

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37	Modeling water and isotopuron dynamics in a heterogeneous soil profile under different urban waste compost applications. <i>Geoderma</i> , 2016, 268, 29-40.	2.3	20
38	Two-dimensional spatial variation of soil physical properties in two tillage systems. <i>Soil Use and Management</i> , 2010, 26, 432-444.	2.6	19
39	Estimation of soil water retention in conservation agriculture using published and new pedotransfer functions. <i>Soil and Tillage Research</i> , 2021, 209, 104967.	2.6	16
40	Comparison of soil linear shrinkage curve from extracted cores and in situ. <i>Soil Research</i> , 1998, 36, 765.	0.6	16
41	Pesticide adsorption in the vadose zone: a case study on Eocene and Quaternary materials in northern France. <i>Pest Management Science</i> , 2004, 60, 992-1000.	1.7	15
42	Temperature and water pressure head effects on the degradation of the diketonitrile metabolite of isoxaflutole in a loamy soil under two tillage systems. <i>Environmental Pollution</i> , 2008, 156, 678-688.	3.7	13
43	Variability of retention process of isoxaflutole and its diketonitrile metabolite in soil under conventional and conservation tillage. <i>Pest Management Science</i> , 2012, 68, 610-617.	1.7	13
44	Spatial retrieval of soil reflectance from SPOT multispectral data using the empirical line method. <i>International Journal of Remote Sensing</i> , 2008, 29, 5571-5584.	1.3	12
45	Effects of tillage practice and repeated urban compost application on bromide and isotopuron transport in a loamy Albeluvisol. <i>European Journal of Soil Science</i> , 2011, 62, 797-810.	1.8	12
46	Groundwater Vulnerability and Risk Mapping Based on Residence Time Distributions: Spatial Analysis for the Estimation of Lumped Parameters. <i>Water Resources Management</i> , 2015, 29, 5489-5504.	1.9	12
47	Modeling Copper and Cadmium Mobility in an Albeluvisol Amended with Urban Waste Composts. <i>Vadose Zone Journal</i> , 2016, 15, 1-15.	1.3	12
48	A Comparative Study of Water and Bromide Transport in a Bare Loam Soil Using Lysimeters and Field Plots. <i>Water (Switzerland)</i> , 2019, 11, 1199.	1.2	12
49	In situ measurement of the vertical linear shrinkage curve of soils. <i>Soil and Tillage Research</i> , 1998, 46, 289-299.	2.6	11
50	Pedotransfer functions for isotopuron sorption on soils and vadose zone materials. <i>Pest Management Science</i> , 2011, 67, 1309-1319.	1.7	11
51	Tillage and fallow period management effects on the fate of the herbicide isoxaflutole in an irrigated continuous-maize field. <i>Agriculture, Ecosystems and Environment</i> , 2012, 153, 40-49.	2.5	10
52	Multi-depth electrical resistivity survey for mapping soil units within two 3ha plots. <i>Geoderma</i> , 2014, 232-234, 317-327.	2.3	10
53	Hydrodynamic Parameters of a Sandy Soil Determined by Ground-Penetrating Radar Monitoring of Porchet Infiltrations. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 188-200.	2.3	10
54	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

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55	Water and Bromide Dynamics in a Soil Amended with Different Urban Composts. <i>Vadose Zone Journal</i> , 2013, 12, 1-11.	1.3	9
56	Water pressure head and temperature impact on isoxaflutole degradation in crop residues and loamy surface soil under conventional and conservation tillage management. <i>Chemosphere</i> , 2012, 88, 1043-1050.	4.2	7
57	Can Soil Hydraulic Parameters be Estimated from the Stable Isotope Composition of Pore Water from a Single Soil Profile?. <i>Water (Switzerland)</i> , 2020, 12, 393.	1.2	7
58	Evaluating hydrodynamic parameters accounting for water retention hysteresis in a large sand column using surface GPR. <i>Journal of Applied Geophysics</i> , 2020, 182, 104176.	0.9	6
59	Relationship between hydraulic properties and material features in a heterogeneous vadose zone of a vulnerable limestone aquifer. <i>Vadose Zone Journal</i> , 2021, 20, e20127.	1.3	6
60	Tillage Management Effects on Pesticide Fate in Soils. , 2011, , 787-831.		4
61	A comprehensive experimental and numerical analysis of water flow and travel time in a highly heterogeneous vadose zone. <i>Journal of Hydrology</i> , 2022, 610, 127875.	2.3	4
62	Biases in the spatial estimation of pesticide loss to groundwater. <i>Agronomy for Sustainable Development</i> , 2005, 25, 465-472.	2.2	3
63	Vadose zone modeling to identify controls on groundwater recharge in an unconfined granular aquifer in a cold and humid environment with different meteorological data sources. <i>Hydrogeology Journal</i> , 2022, 30, 653-672.	0.9	3
64	Vertical and Lateral Variations of Soil Immobile Water Fraction in Two Tillage Systems. <i>Soil Science Society of America Journal</i> , 2011, 75, 498-508.	1.2	2
65	Estimating saturated hydraulic conductivity from ground-based GPR monitoring Porchet infiltration in sandy soil. , 2014, , .		2
66	Inverting surface GPR data to estimate wetting and drainage water retention curves in laboratory. , 2015, , .		2
67	Water uptake by date palm on Haplic Luvisols in the Djibouti coastal plain. <i>Geoderma Regional</i> , 2018, 15, e00189.	0.9	2
68	Sorption of Pesticides Atrazine, Isoproturon, and Metamitron in the Vadose Zone. <i>Vadose Zone Journal</i> , 2003, 2, 40-51.	1.3	1
69	Electrical multi-depth survey to assess soil cover spatial organization. , 2014, , 465-470.		0