Stefan Doerr

List of Publications by Year
in descending order

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164 papers	12,654 citations	24978 57 h-index	27345 106 g-index
188 all docs	188 docs citations	188 times ranked	7853 citing authors

#	Article	IF	Citations
1	Short- to medium-term effects of crown and surface fires on soil respiration in a Canadian boreal forest. Canadian Journal of Forest Research, 2022, 52, 591-604.	0.8	2
2	ProbFire: a probabilistic fire early warning system for Indonesia. Natural Hazards and Earth System Sciences, 2022, 22, 303-322.	1.5	4
3	A global synthesis of fire effects on ecosystem services of forests and woodlands. Frontiers in Ecology and the Environment, 2022, 20, 170-178.	1.9	25
4	Global and Regional Trends and Drivers of Fire Under Climate Change. Reviews of Geophysics, 2022, 60, .	9.0	182
5	Thirty years of IJWF. International Journal of Wildland Fire, 2021, 30, i.	1.0	0
6	Environmentally persistent free radicals are ubiquitous in wildfire charcoals and remain stable for years. Communications Earth & Environment, 2021, 2, .	2.6	29
7	Scientists' warning on extreme wildfire risks to water supply. Hydrological Processes, 2021, 35, e14086.	1.1	51
8	Designing tools to predict and mitigate impacts on water quality following the Australian 2019/2020 wildfires: Insights from Sydney's largest water supply catchment. Integrated Environmental Assessment and Management, 2021, 17, 1151-1161.	1.6	16
9	Boreal forest soil carbon fluxes one year after a wildfire: Effects of burn severity and management. Global Change Biology, 2021, 27, 4181-4195.	4.2	16
10	On the cause and correction of the anomalously high contact angles measured on soils and granular materials. Geoderma, 2021, 391, 114973.	2.3	4
11	Wildfire-Derived Pyrogenic Carbon Modulates Riverine Organic Matter and Biofilm Enzyme Activities in an In Situ Flume Experiment. ACS ES&T Water, 2021, 1, 1648-1656.	2.3	8
12	Wildland fire ash enhances short-term CO2 flux from soil in a Southern African savannah. Soil Biology and Biochemistry, 2021, 160, 108334.	4.2	7
13	Response of Calamagrostis angustifolia to burn frequency and seasonality in the Sanjiang Plain wetlands (Northeast China). Journal of Environmental Management, 2021, 300, 113759.	3.8	8
14	Current Wildland Fire Patterns and Challenges in Europe: A Synthesis of National Perspectives. Air, Soil and Water Research, 2021, 14, 117862212110281.	1.2	53
15	Water repellency reduces soil CO2 efflux upon rewetting. Science of the Total Environment, 2020, 708, 135014.	3.9	19
16	Pyrene and nile red fluorescence probes for inâ€ŝitu study of polarity and viscosity of soil organic coatings implicated in soil water repellency. European Journal of Soil Science, 2020, 71, 868-879.	1.8	4
17	The Relevance of Pyrogenic Carbon for Carbon Budgets From Fires: Insights From the FIREX Experiment. Global Biogeochemical Cycles, 2020, 34, e2020GB006647.	1.9	16
18	The effect of water repellency on the short-term release of CO2 upon soil wetting. Geoderma, 2020, 375, 114481.	2.3	12

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19	Fires prime terrestrial organic carbon for riverine export to the global oceans. Nature Communications, 2020, 11, 2791.	5.8	71
20	No evidence of suitability of prophylactic fluids for wildfire prevention at landscape scales. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 5103-5104.	3.3	2
21	Measuring water repellency of individual particles: The new â€œmicro-Wilhelmy Plate Methodâ€•and its applicability to soil. Geoderma, 2020, 371, 114384.	2.3	2
22	Near-complete loss of fire-resistant primary tropical forest cover in Sumatra and Kalimantan. Communications Earth & Environment, 2020, 1, .	2.6	34
23	The nitrogen budget of laboratory-simulated western US wildfires during the FIREX 2016 Fire Lab study. Atmospheric Chemistry and Physics, 2020, 20, 8807-8826.	1.9	45
24	Global fire emissions buffered by the production of pyrogenic carbon. Nature Geoscience, 2019, 12, 742-747.	5.4	140
25	Chemical composition of wildfire ash produced in contrasting ecosystems and its toxicity to Daphnia magna. International Journal of Wildland Fire, 2019, 28, 726.	1.0	44
26	The influence of wildfire on water quality and watershed processes: new insights and remaining challenges. International Journal of Wildland Fire, 2019, 28, 721.	1.0	42
27	Pyrogenic organic matter produced during wildfires can act as a carbon sink â€“ a reply to Billings & Schlesinger (2015). Global Change Biology, 2018, 24, e399.	4.2	2
28	Prescribed fire and its impacts on ecosystem services in the UK. Science of the Total Environment, 2018, 624, 691-703.	3.9	71
29	Organic matter identifies the nano-mechanical properties of native soil aggregates. Nanoscale, 2018, 10, 520-525.	2.8	11
30	Assessing water contamination risk from vegetation fires: Challenges, opportunities and a framework for progress. Hydrological Processes, 2018, 32, 687-694.	1.1	60
31	Determination of forest fuels characteristics in mortality-affected Pinus forests using integrated hyperspectral and ALS data. International Journal of Applied Earth Observation and Geoinformation, 2018, 68, 157-167.	1.4	15
32	Soil seal development under simulated rainfall: Structural, physical and hydrological dynamics. Journal of Hydrology, 2018, 556, 211-219.	2.3	75
33	Impact of a moderate/high-severity prescribed eucalypt forest fire on soil phosphorous stocks and partitioning. Science of the Total Environment, 2018, 621, 1103-1114.	3.9	39
34	What Can Charcoal Reflectance Tell Us About Energy Release in Wildfires and the Properties of Pyrogenic Carbon?. Frontiers in Earth Science, 2018, 6, .	0.8	25
35	TopCap: A Tool to Quantify Soil Surface Topology and Subsurface Structure. Vadose Zone Journal, 2018, 17, 1-10.	1.3	3
36	Fire as a Removal Mechanism of Pyrogenic Carbon From the Environment: Effects of Fire and Pyrogenic Carbon Characteristics. Frontiers in Earth Science, 2018, 6, .	0.8	36

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37	Livestock grazing alters multiple ecosystem properties and services in salt marshes: a metaâ€analysis. Journal of Applied Ecology, 2017, 54, 1395-1405.	1.9	96
38	Lipid biomarkers and their environmental significance in mine soils from Eastern Europe. Archives of Agronomy and Soil Science, 2017, 63, 1697-1710.	1.3	4
39	Using Thermogravimetry as a Simple Tool for Nutrient Assessment in Fire Affected Soils. Land Degradation and Development, 2017, 28, 1665-1674.	1.8	1
40	Size fractionation as a tool for separating charcoal of different fuel source and recalcitrance in the wildfire ash layer. Science of the Total Environment, 2017, 595, 461-471.	3.9	20
41	Carbon sequestration potential and physicochemical properties differ between wildfire charcoals and slow-pyrolysis biochars. Scientific Reports, 2017, 7, 11233.	1.6	93
42	Use of Clay Dispersed in Water for Decreasing Soil Water Repellency. Land Degradation and Development, 2017, 28, 328-334.	1.8	10
43	The potential of biochar to remove hydrophobic compounds from model sandy soils. Geoderma, 2017, 285, 132-140.	2.3	15
44	Particulate emissions from large North American wildfires estimated using a new top-down method. Atmospheric Chemistry and Physics, 2017, 17, 6423-6438.	1.9	21
45	Effectiveness of Polyacrylamide, Wood Shred Mulch, and Pine Needle Mulch as Post-Fire Hillslope Stabilization Treatments in Two Contrasting Volcanic Soils. Forests, 2017, 8, 247.	0.9	5
46	CO₂ efflux from soils with seasonal water repellency. Biogeosciences, 2017, 14, 4781-4794.	1.3	17
47	The peatland vegetation burning debate: keep scientific critique in perspective. A response to Brown et al . and Douglas et al .. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20160434.	1.8	5
48	Modelling and quantifying the spatial distribution of post-wildfire ash loads. International Journal of Wildland Fire, 2016, 25, 249.	1.0	9
49	Replacing time with space: using laboratory fires to explore the effects of repeated burning on black carbon degradation. International Journal of Wildland Fire, 2016, 25, 242.	1.0	18
50	Towards a global assessment of pyrogenic carbon from vegetation fires. Global Change Biology, 2016, 22, 76-91.	4.2	256
51	Fire effects on soils: the human dimension. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150171.	1.8	166
52	Global trends in wildfire and its impacts: perceptions versus realities in a changing world. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150345.	1.8	383
53	Living on a flammable planet: interdisciplinary, cross-scalar and varied cultural lessons, prospects and challenges. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150469.	1.8	39
54	Drop impact behaviour on alternately hydrophobic and hydrophilic layered bead packs. Chemical Engineering Research and Design, 2016, 110, 200-208.	2.7	11

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55	The role of fire in UK peatland and moorland management: the need for informed, unbiased debate. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150342.	1.8	78
56	Effects of relative humidity on the water repellency of fire-affected soils. Catena, 2016, 138, 68-76.	2.2	14
57	Forest floor chemical transformations in a boreal forest fire and their correlations with temperature and heating duration. Geoderma, 2016, 264, 71-80.	2.3	84
58	Twenty-five years of International Journal of Wildland Fire. International Journal of Wildland Fire, 2016, 25, i.	1.0	1
59	Post-fire soil hydrology, water erosion and restoration strategies in Andosols: a review of evidence from the Canary Islands (Spain). IForest, 2016, 9, 583-592.	0.5	11
60	The effect of addition of a wettable biochar on soil water repellency. European Journal of Soil Science, 2015, 66, 1063-1073.	1.8	18
61	Smoke aerosol properties and ageing effects for northern temperate and boreal regions derived from AERONET source and age attribution. Atmospheric Chemistry and Physics, 2015, 15, 7929-7943.	1.9	24
62	Effects of prescribed fire on surface soil in a Pinus pinaster plantation, northern Portugal. Environmental Earth Sciences, 2015, 73, 3011-3018.	1.3	26
63	Abundance and composition of free and aggregate-occluded carbohydrates and lignin in two forest soils as affected by wildfires of different severity. Geoderma, 2015, 245-246, 40-51.	2.3	41
64	Experimental characterization of the impact of temperature and humidity on the breakdown of soil water repellency in sandy soils and composts. Hydrological Processes, 2015, 29, 2065-2073.	1.1	13
65	Wettability decay in an oil-contaminated waste-mineral mixture with dry-wet cycles. Environmental Earth Sciences, 2015, 74, 2563-2569.	1.3	5
66	Hysteresis in the Soil Water Retention of a Sandâ€“Clay Mixture with Contact Angles Lower than Ninety Degrees. Vadose Zone Journal, 2015, 14, 1-8.	1.3	21
67	Quantity, composition and water contamination potential of ash produced under different wildfire severities. Environmental Research, 2015, 142, 297-308.	3.7	69
68	Pyrogenic organic matter production from wildfires: a missing sink in the global carbon cycle. Global Change Biology, 2015, 21, 1621-1633.	4.2	214
69	Organic matter and wettability characteristics of wildfire ash from Mediterranean conifer forests. Catena, 2015, 135, 369-376.	2.2	16
70	Soil water retention of a compacted sandy clay with sub-critical water repellency. , 2015, , 367-370.		1
71	Effects of fire on the physicochemical properties of soil in a slash-and-burn agriculture. Catena, 2014, 122, 209-215.	2.2	62
72	The temporal evolution of wildfire ash and implications for post-fire infiltration. International Journal of Wildland Fire, 2014, 23, 733.	1.0	44

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73	Wildland fire ash: Production, composition and eco-hydro-geomorphic effects. Earth-Science Reviews, 2014, 130, 103-127.	4.0	434
74	Thermal analysis as a predictor for hydrological parameters of fire-affected soils. Geoderma, 2014, 235-236, 240-249.	2.3	8
75	Hot-Water-Soluble Organic Compounds Related to Hydrophobicity in Sandy Soils. , 2014, , 137-146.		8
76	Soil water repellency: Origin, assessment and geomorphological consequences. Catena, 2013, 108, 1-5.	2.2	66
77	FT-IR spectroscopy reveals that ash water repellency is highly dependent on ash chemical composition. Catena, 2013, 108, 35-43.	2.2	68
78	Use of olive mill wastewater (OMW) to decrease hydrophobicity in sandy soil. Ecological Engineering, 2013, 58, 393-398.	1.6	18
79	Transitions of waterâ€drop impact behaviour on hydrophobic and hydrophilic particles. European Journal of Soil Science, 2013, 64, 324-333.	1.8	27
80	Spatial and temporal variations of water repellency and probability of its occurrence in calcareous Mediterranean rangeland soils affected by fires. Catena, 2013, 108, 14-25.	2.2	56
81	The role of naturally occurring organic compounds in causing soil water repellency. European Journal of Soil Science, 2013, 64, 667-680.	1.8	48
82	The Role of Drop Volume and Number on Soil Water Repellency Determination. Soil Science Society of America Journal, 2013, 77, 1732-1743.	1.2	16
83	Effects of hydrophobicity on splash erosion of model soil particles by a single water drop impact. Earth Surface Processes and Landforms, 2013, 38, 1225-1233.	1.2	58
84	Consumption of residual pyrogenic carbon by wildfire. International Journal of Wildland Fire, 2013, 22, 1072.	1.0	52
85	Changes in organic compound composition in soil following heating to maximum soil water repellency under anoxic conditions. Environmental Chemistry, 2012, 9, 369.	0.7	7
86	Hydrological effects of a layer of vegetation ash on underlying wettable and water repellent soil. Geoderma, 2012, 191, 14-23.	2.3	92
87	Origin and karst geomorphological significance of the enigmatic Australian Nullarbor Plain â€˜blowholesâ€™. Earth Surface Processes and Landforms, 2012, 37, 253-261.	1.2	11
88	Carbon loads, forms and sequestration potential within ash deposits produced by wildfire: new insights from the 2009 â€˜Black Saturdayâ€™ fires, Australia. European Journal of Forest Research, 2012, 131, 1245-1253.	1.1	51
89	Wettability Assessment of an Oil Coated Soil. , 2012, , 415-421.		1
90	Repelencia al agua en suelos forestales afectados por incendios y en suelos agrÃcolas bajo distintos manejos y abandono. Cuadernos De Investigacion Geografica, 2012, 38, 53-74.	0.6	9

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91	Efectos de los incendios forestales en la vegetaciÃ³n y el suelo en la cuenca mediterrÃ¡nea: revisiÃ³n bibliogrÃ¡fica. Boletin De La Asociacion De Geografos Espanoles, 2012, , .	0.2	16
92	International Journal of Wildland Fire celebrates 20 years of publication. International Journal of Wildland Fire, 2012, 21, i.	1.0	0
93	Effect of Particle Size on Droplet Infiltration into Hydrophobic Porous Media As a Model of Water Repellent Soil. Environmental Science & Technology, 2011, 45, 9666-9670.	4.6	26
94	Bioturbation on wildfire-affected southeast Australian hillslopes: Spatial and temporal variation. Catena, 2011, 87, 20-30.	2.2	10
95	The wettability of ash from burned vegetation and its relationship to Mediterranean plant species type, burn severity and total organic carbon content. Geoderma, 2011, 160, 599-607.	2.3	127
96	Longevity of soil water repellency in a former wastewater disposal tree stand and potential amelioration. Geoderma, 2011, 165, 78-83.	2.3	19
97	Changes in soil organic compound composition associated with heat-induced increases in soil water repellency. European Journal of Soil Science, 2011, 62, 516-532.	1.8	62
98	Water retention of repellent and subcritical repellent soils: New insights from model and experimental investigations. Journal of Hydrology, 2010, 380, 104-111.	2.3	63
99	The effect of ant mounds on overland flow and soil erodibility following a wildfire in eastern Spain. Ecohydrology, 2010, 3, 392-401.	1.1	45
100	Organic compounds of different extractability in total solvent extracts from soils of contrasting water repellency. European Journal of Soil Science, 2010, 61, 298-313.	1.8	49
101	Effects of Isopropanol/Ammonia Extraction on Soil Water Repellency as Determined by Atomic Force Microscopy. Soil Science Society of America Journal, 2010, 74, 1541-1552.	1.2	11
102	Influence of Initial Water Content on the Wettability of Autoclaved Soils. Soil Science Society of America Journal, 2010, 74, 2086-2088.	1.2	12
103	Reaction of soil water repellency to artificially induced changes in soil pH. Geoderma, 2010, 158, 375-384.	2.3	52
104	â€˜Natural backgroundâ€™ soil water repellency in conifer forests of the north-western USA: Its prediction and relationship to wildfire occurrence. Journal of Hydrology, 2009, 371, 12-21.	2.3	69
105	Investigation of Surface Properties of Soil Particles and Model Materials with Contrasting Hydrophobicity Using Atomic Force Microscopy. Environmental Science & Technology, 2009, 43, 6500-6506.	4.6	24
106	Deriving hillslope sediment budgets in wildfire-affected forests using fallout radionuclide tracers. Geomorphology, 2009, 104, 105-116.	1.1	90
107	Fallout radionuclide tracers identify a switch in sediment sources and transport-limited sediment yield following wildfire in a eucalypt forest. Geomorphology, 2009, 110, 140-151.	1.1	88
108	Soil Water Repellency. , 2009, , 197-223.		35

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109	Application of atomic force microscopy to the study of natural and model soil particles. Journal of Microscopy, 2008, 231, 384-394.	0.8	22
110	Postwildfire hydrological response in an El NiÃ±oâ€“Southern Oscillationâ€“dominated environment. Journal of Geophysical Research, 2008, 113, .	3.3	14
111	Temporal variation in topsoil water repellency in two recently burnt eucalypt stands in north-central Portugal. Catena, 2008, 74, 192-204.	2.2	101
112	Thermal destruction of soil water repellency and associated changes to soil organic matter as observed by FTIR spectroscopy. Catena, 2008, 74, 205-211.	2.2	76
113	The effect of ash and needle cover on surface runoff and erosion in the immediate post-fire period. Catena, 2008, 74, 256-263.	2.2	291
114	Application of Thermal Analysis to Elucidate Waterâ€Repellency Changes in Heated Soils. Soil Science Society of America Journal, 2008, 72, 1-10.	1.2	42
115	Self-organization of hydrophobic soil and granular surfaces. Applied Physics Letters, 2007, 90, 054110.	1.5	55
116	Distinctiveness of wildfire effects on soil erosion in south-east Australian eucalypt forests assessed in a global context. Forest Ecology and Management, 2007, 238, 347-364.	1.4	107
117	Structural characteristics and behavior of fire-modified soil aggregates. Journal of Geophysical Research, 2007, 112, .	3.3	26
118	Quantifying the impact of soil water repellency on overland flow generation and erosion: a new approach using rainfall simulation and wetting agent on in situ soil. Hydrological Processes, 2007, 21, 2337-2345.	1.1	131
119	The kinetics and energetics of transitions between water repellent and wettable soil conditions: a linear free energy analysis of the relationship between WDPT and MED/CST. Hydrological Processes, 2007, 21, 2248-2254.	1.1	13
120	Soil wettability, runoff and erodibility of major dryâ€Mediterranean land use types on calcareous soils. Hydrological Processes, 2007, 21, 2325-2336.	1.1	212
121	Temporal and spatial variations in topsoil water repellency throughout a cropâ€rotation cycle on sandy soil in northâ€central Portugal. Hydrological Processes, 2007, 21, 2317-2324.	1.1	46
122	Water repellence of soils: new insights and emerging research needs. Hydrological Processes, 2007, 21, 2223-2228.	1.1	74
123	Contemporary versus long-term denudation along a passive plate margin: the role of extreme events. Earth Surface Processes and Landforms, 2007, 32, 1013-1031.	1.2	60
124	Effects of compaction on soil surface water repellency. Soil Use and Management, 2007, 23, 238-244.	2.6	19
125	Evaluation of different clay minerals as additives for soil water repellency alleviation. Applied Clay Science, 2006, 31, 238-248.	2.6	59
126	Forest fire impacts on catchment hydrology: A critical review. Forest Ecology and Management, 2006, 234, S161.	1.4	7

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127	Effects of differing wildfire severities on soil wettability and implications for hydrological response. Journal of Hydrology, 2006, 319, 295-311.	2.3	246
128	Occurrence, prediction and hydrological effects of water repellency amongst major soil and land-use types in a humid temperate climate. European Journal of Soil Science, 2006, 57, 741-754.	1.8	197
129	Wildfire as a hydrological and geomorphological agent. Earth-Science Reviews, 2006, 74, 269-307.	4.0	923
130	Magnetic enhancement in wildfire-affected soil and its potential for sediment-source ascription. Earth Surface Processes and Landforms, 2006, 31, 249-264.	1.2	70
131	Cave development on the Caribbean coast of the Yucatan Peninsula, Quintana Roo, Mexico. , 2006, , .		58
132	Critical conditions for the wetting of soils. Applied Physics Letters, 2006, 89, 094101.	1.5	59
133	Hillslope soil erosion and bioturbation after the Christmas 2001 forest fires near Sydney, Australia.. , 2006, , 51-61.		8
134	Tracing eroded soil in a burnt water supply catchment, Sydney, Australia: linking magnetic enhancement to soil water repellency.. , 2006, , 62-69.		1
135	Effects of heating and post-heating equilibration times on soil water repellency. Soil Research, 2005, 43, 261.	0.6	50
136	The role of tree stem proximity in the spatial variability of soil water repellency in a eucalypt plantation in coastal Portugal. Soil Research, 2005, 43, 251.	0.6	29
137	Temporal dynamics of water repellency and soil moisture in eucalypt plantations, Portugal. Soil Research, 2005, 43, 269.	0.6	87
138	Effect of oxygen deprivation on soil hydrophobicity during heating. International Journal of Wildland Fire, 2005, 14, 449.	1.0	53
139	Extraction of compounds associated with water repellency in sandy soils of different origin. Soil Research, 2005, 43, 225.	0.6	130
140	Organic compounds at different depths in a sandy soil and their role in water repellency. Soil Research, 2005, 43, 239.	0.6	99
141	Effects of clay amendment on adsorption and desorption of copper in water repellent soils. Soil Research, 2005, 43, 397.	0.6	6
142	Fire effects on soil system functioning: new insights and future challenges. International Journal of Wildland Fire, 2005, 14, 339.	1.0	73
143	Influence of vegetation recovery on soil hydrology and erodibility following fire: an 11-year investigation. International Journal of Wildland Fire, 2005, 14, 423.	1.0	267
144	Heating effects on water repellency in Australian eucalypt forest soils and their value in estimating wildfire soil temperatures. International Journal of Wildland Fire, 2004, 13, 157.	1.0	125

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145	Role of heavy polar organic compounds for water repellency of sandy soils. Environmental Chemistry Letters, 2004, 2, 35-39.	8.3	40
146	Soxhlet extraction of organic compounds associated with soil water repellency. Environmental Chemistry Letters, 2004, 2, 41-44.	8.3	15
147	Hydrological effects of soil water repellency: on spatial and temporal uncertainties. Hydrological Processes, 2004, 18, 829-832.	1.1	70
148	Hydrophobicity and aggregate stability in calcareous topsoils from fire-affected pine forests in southeastern Spain. Geoderma, 2004, 118, 77-88.	2.3	286
149	Effect of kaolinite and Ca-montmorillonite on the alleviation of soil water repellency. Plant, Soil and Environment, 2004, 50, 358-363.	1.0	36
150	Soil water repellency as a potential parameter in rainfall-runoff modelling: experimental evidence at point to catchment scales from Portugal. Hydrological Processes, 2003, 17, 363-377.	1.1	151
151	Fire Severity, Water Repellency Characteristics and Hydrogeomorphological Changes Following the Christmas 2001 Sydney Forest Fires. Australian Geographer, 2003, 34, 147-175.	1.0	68
152	Water repellency of soils. Soil Science Society of America Journal, 2002, 66, 401-405.	1.2	72
153	A ranking methodology for assessing relative erosion risk and its application todehesas andmontados in Spain and Portugal. Land Degradation and Development, 2002, 13, 129-140.	1.8	37
154	Water repellency of soils. Soil Science Society of America Journal, 2002, 66, 401.	1.2	61
155	Water Repellency and Critical Soil Water Content in a Dune Sand. Soil Science Society of America Journal, 2001, 65, 1667-1674.	1.2	292
156	Soil water repellency: its causes, characteristics and hydro-geomorphological significance. Earth-Science Reviews, 2000, 51, 33-65.	4.0	1,288
157	The role of soil moisture in controlling water repellency: new evidence from forest soils in Portugal. Journal of Hydrology, 2000, 231-232, 134-147.	2.3	347
158	Hydrological implications of soil water-repellency in Eucalyptus globulus forests, north-central Portugal. Journal of Hydrology, 2000, 231-232, 165-177.	2.3	108
159	The erosional impact of soil hydrophobicity: current problems and future research directions. Journal of Hydrology, 2000, 231-232, 178-191.	2.3	238
160	Karst-like landforms and hydrology in quartzites of the Venezuelan Guyana shield: Pseudokarst or "real" karst?. Zeitschrift FÃ¼r Geomorphologie, 1999, 43, 1-17.	0.3	36
161	On standardizing the â€˜Water Drop Penetration Timeâ€™ and the â€˜Molarity of an Ethanol Drop letâ€™ techniques to classify soil hydrophobicity: A case study using medium textured soils. , 1998, 23, 663-668.		354
162	SPATIAL VARIABILITY OF SOIL HYDROPHOBICITY IN FIRE-PRONE EUCALYPTUS AND PINE FORESTS, PORTUGAL. Soil Science, 1998, 163, 313-324.	0.9	196

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163	Soil hydrophobicity variations with depth and particle size fraction in burned and unburned Eucalyptus globulus and Pinus pinaster forest terrain in the Ãgueda Basin, Portugal. Catena, 1996, 27, 25-47.	2.2	178
164	Informed debate on the use of fire for peatland management means acknowledging the complexity of socio-ecological systems. Nature Conservation, 0, 16, 59-77.	0.0	4