

Jan Jacob Keizer

List of Publications by Year in descending order

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148
papers

5,642
citations

57758

44
h-index

110387

64
g-index

181
all docs

181
docs citations

181
times ranked

5075
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes of the aerodynamic characteristics of a flux site after an extensive windthrow. <i>Biogeosciences</i> , 2022, 19, 2235-2243.	3.3	0
2	Screening the habitat function of biochar-amended vineyard soils at field plot-scale, based on invertebrate avoidance behaviour. <i>Applied Soil Ecology</i> , 2022, 177, 104526.	4.3	0
3	A modelling approach to evaluate land management options for recently burnt catchments. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	4
4	What is wrong with post-fire soil erosion modelling? A meta-analysis on current approaches, research gaps, and future directions. <i>Earth Surface Processes and Landforms</i> , 2021, 46, 205-219.	2.5	31
5	Effectiveness of Nature-Based Solutions on Pluvial Flood Hazard Mitigation: The Case Study of the City of Eindhoven (The Netherlands). <i>Resources</i> , 2021, 10, 24.	3.5	18
6	Hydrological Processes in Eucalypt and Pine Forested Headwater Catchments within Mediterranean Region. <i>Water (Switzerland)</i> , 2021, 13, 1418.	2.7	2
7	Impacts of wildfires in aquatic organisms: biomarker responses and erythrocyte nuclear abnormalities in <i>Gambusia holbrooki</i> exposed in situ. <i>Environmental Science and Pollution Research</i> , 2021, 28, 51733-51744.	5.3	9
8	Effects of post-fire contamination in sediment-dwelling species of riverine systems. <i>Science of the Total Environment</i> , 2021, 771, 144813.	8.0	15
9	Cytotoxic effects of wildfire ashes: In-vitro responses of skin cells. <i>Environmental Pollution</i> , 2021, 285, 117279.	7.5	10
10	Estimating immediate post-fire carbon fluxes using the eddy-covariance technique. <i>Biogeosciences</i> , 2021, 18, 285-302.	3.3	10
11	Splash Erosion on Terraces, Does It Make a Difference If the Terracing Is Done before or after a Fire?. <i>Hydrology</i> , 2021, 8, 180.	3.0	5
12	The handbook for standardized field and laboratory measurements in terrestrial climate change experiments and observational studies (ClimEx). <i>Methods in Ecology and Evolution</i> , 2020, 11, 22-37.	5.2	68
13	Water repellency reduces soil CO ₂ efflux upon rewetting. <i>Science of the Total Environment</i> , 2020, 708, 135014.	8.0	19
14	Helping stakeholders select and apply appraisal tools to mitigate soil threats: Researchers' experiences from across Europe. <i>Journal of Environmental Management</i> , 2020, 257, 110005.	7.8	14
15	Mid-term post-fire losses of nitrogen and phosphorus by overland flow in two contrasting eucalypt stands in north-central Portugal. <i>Science of the Total Environment</i> , 2020, 705, 135843.	8.0	14
16	Feeding inhibition following in-situ and laboratory exposure as an indicator of ecotoxic impacts of wildfires in affected waterbodies. <i>Aquatic Toxicology</i> , 2020, 227, 105587.	4.0	13
17	Biochemical and functional responses of stream invertebrate shredders to post-wildfire contamination. <i>Environmental Pollution</i> , 2020, 267, 115433.	7.5	18
18	Impacts of wildfire and post-fire land management on hydrological and sediment processes in a humid Mediterranean headwater catchment. <i>Hydrological Processes</i> , 2020, 34, 5210-5228.	2.6	13

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19	Advances in Understanding and Managing Catastrophic Ecosystem Shifts in Mediterranean Ecosystems. <i>Frontiers in Ecology and Evolution</i> , 2020, 8, .	2.2	8
20	Impacts of climate change on reservoir water availability, quality and irrigation needs in a water scarce Mediterranean region (southern Portugal). <i>Science of the Total Environment</i> , 2020, 736, 139477.	8.0	79
21	Wildfire effects on two freshwater producers: Combining in-situ and laboratory bioassays. <i>Ecotoxicology and Environmental Safety</i> , 2020, 194, 110361.	6.0	10
22	Do wildfire and slope aspect affect soil water repellency in eucalypt plantations? â€œ A two-year high resolution temporal dataset. <i>Catena</i> , 2020, 189, 104471.	5.0	12
23	Effects of ploughing and mulching on soil and organic matter losses after a wildfire in Central Portugal. <i>Cuadernos De Investigacion Geografica</i> , 2020, 46, 303-318.	1.1	11
24	Perspetivas de GestÃ£o PÃ³s-Fogo: RevisÃ£o da Literatura e AnÃ¡lise dos Discursos dos Agentes em Portugal. <i>Silva Lusitana</i> , 2020, 28, 131-154.	0.2	5
25	Forest fires as potential triggers for production and mobilization of polycyclic aromatic hydrocarbons to the terrestrial ecosystem. <i>Land Degradation and Development</i> , 2019, 30, 2360-2370.	3.9	36
26	Post-fire soil erosion mitigation at the scale of swales using forest logging residues at a reduced application rate. <i>Earth Surface Processes and Landforms</i> , 2019, 44, 2837-2848.	2.5	29
27	Wildfire impacts on freshwater detrital food webs depend on runoff load, exposure time and burnt forest type. <i>Science of the Total Environment</i> , 2019, 692, 691-700.	8.0	38
28	A promising new approach to estimate drought indices for fire danger assessment using remotely sensed data. <i>Agricultural and Forest Meteorology</i> , 2019, 274, 195-209.	4.8	7
29	The influence of biochar particle size and concentration on bulk density and maximum water holding capacity of sandy vs sandy loam soil in a column experiment. <i>Geoderma</i> , 2019, 347, 194-202.	5.1	142
30	Influence of biochar particle size on biota responses. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 120-128.	6.0	28
31	Biomonitoring tools for biochar and biochar-compost amended soil under viticulture: Looking at exposure and effects. <i>Applied Soil Ecology</i> , 2019, 137, 120-128.	4.3	16
32	Projecting Future Impacts of Global Change Including Fires on Soil Erosion to Anticipate Better Land Management in the Forests of NW Portugal. <i>Water (Switzerland)</i> , 2019, 11, 2617.	2.7	30
33	Effect of moss crusts on mitigation of post-fire soil erosion. <i>Ecological Engineering</i> , 2019, 128, 9-17.	3.6	31
34	Mulching-induced preservation of soil organic matter quality in a burnt eucalypt plantation in central Portugal. <i>Journal of Environmental Management</i> , 2019, 231, 1135-1144.	7.8	17
35	Comparing topsoil charcoal, ash, and stone cover effects on the postfire hydrologic and erosive response under laboratory conditions. <i>Land Degradation and Development</i> , 2018, 29, 2102-2111.	3.9	20
36	Assessment of the indirect impact of wildfire (severity) on actual evapotranspiration in eucalyptus forest based on the surface energy balance estimated from remote-sensing techniques. <i>International Journal of Remote Sensing</i> , 2018, 39, 6499-6524.	2.9	15

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37	Runoff, sediment and nutrient exports from a Mediterranean vineyard under integrated production: An experiment at plot scale. <i>Agriculture, Ecosystems and Environment</i> , 2018, 256, 184-193.	5.3	64
38	Assessing water contamination risk from vegetation fires: Challenges, opportunities and a framework for progress. <i>Hydrological Processes</i> , 2018, 32, 687-694.	2.6	60
39	Effectiveness of the application of rice straw mulching strips in reducing runoff and soil loss: Laboratory soil flume experiments under simulated rainfall. <i>Soil and Tillage Research</i> , 2018, 180, 238-249.	5.6	59
40	Hydrological and Erosion Processes in Terraced Fields: Observations from a Humid Mediterranean Region in Northern Portugal. <i>Land Degradation and Development</i> , 2018, 29, 596-606.	3.9	33
41	Combined effect of copper sulfate and water temperature on key freshwater trophic levels â€“ Approaching potential climatic change scenarios. <i>Ecotoxicology and Environmental Safety</i> , 2018, 148, 384-392.	6.0	23
42	Afforestation, Subsequent Forest Fires and Provision of Hydrological Services: A Modelâ€Based Analysis for a Mediterranean Mountainous Catchment. <i>Land Degradation and Development</i> , 2018, 29, 776-788.	3.9	46
43	Predicting the effectiveness of different mulching techniques in reducing post-fire runoff and erosion at plot scale with the RUSLE, MMF and PESERA models. <i>Environmental Research</i> , 2018, 165, 365-378.	7.5	64
44	The effectiveness of two contrasting mulch application rates to reduce post-fire erosion in a Portuguese eucalypt plantation. <i>Catena</i> , 2018, 169, 21-30.	5.0	49
45	Developing generalized parameters for post-fire erosion risk assessment using the revised Morgan-Morgan-Finney model: A test for north-central Portuguese pine stands. <i>Catena</i> , 2018, 165, 358-368.	5.0	12
46	How does land management contribute to the resilience of Mediterranean forests and rangelands? A participatory assessment. <i>Land Degradation and Development</i> , 2018, 29, 3721-3735.	3.9	10
47	Key factors controlling the post-fire hydrological and erosive response at micro-plot scale in a recently burned Mediterranean forest. <i>Geomorphology</i> , 2018, 319, 161-173.	2.6	32
48	Effects of fire occurrence and recurrence on nitrogen and phosphorus losses by overland flow in maritime pine plantations in north-central Portugal. <i>Geoderma</i> , 2017, 289, 97-106.	5.1	26
49	Off-site impacts of wildfires on aquatic systems â€” Biomarker responses of the mosquitofish <i>Gambusia holbrooki</i> . <i>Science of the Total Environment</i> , 2017, 581-582, 305-313.	8.0	40
50	Impacts of climate and land use changes on the water quality of a small Mediterranean catchment with intensive viticulture. <i>Environmental Pollution</i> , 2017, 224, 454-465.	7.5	62
51	Combined impacts of climate and socio-economic scenarios on irrigation water availability for a dry Mediterranean reservoir. <i>Science of the Total Environment</i> , 2017, 584-585, 219-233.	8.0	46
52	Runoff and soil erosion mitigation with sieved forest residue mulch strips under controlled laboratory conditions. <i>Forest Ecology and Management</i> , 2017, 396, 102-112.	3.2	32
53	Elemental Composition of Natural Nanoparticles and Fine Colloids in European Forest Stream Waters and Their Role as Phosphorus Carriers. <i>Global Biogeochemical Cycles</i> , 2017, 31, 1592-1607.	4.9	48
54	Short-term effects of post-fire salvage logging on runoff and soil erosion. <i>Forest Ecology and Management</i> , 2017, 400, 555-567.	3.2	62

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55	Long-term Impacts of Post-fire Mulching on Ground-dwelling Arthropod Communities in a Eucalypt Plantation. <i>Land Degradation and Development</i> , 2017, 28, 1156-1162.	3.9	6
56	Assessing soil water repellency spatial variability using a thermographic technique: An exploratory study using a small-scale laboratory soil flume. <i>Geoderma</i> , 2017, 287, 98-104.	5.1	15
57	The short-term effectiveness of surfactant seed coating and mulching treatment in reducing post-fire runoff and erosion. <i>Geoderma</i> , 2017, 307, 231-237.	5.1	8
58	Soil Water Repellency Dynamics in Pine and Eucalypt Plantations in Portugal – A High-resolution Time Series. <i>Land Degradation and Development</i> , 2016, 27, 1334-1343.	3.9	50
59	Potential Impact of Climate Change on Suspended Sediment Yield in NW Spain: A Case Study on the Corbeira Catchment. <i>Water (Switzerland)</i> , 2016, 8, 444.	2.7	25
60	Sediment Yield at Catchment Scale Using the SWAT (Soil and Water Assessment Tool) Model. <i>Soil Science</i> , 2016, 181, 326-334.	0.9	9
61	Soil Water Repellency Severity and its Spatio-temporal Variation in Burnt Eucalypt Plantations in North-central Portugal. <i>Land Degradation and Development</i> , 2016, 27, 1463-1478.	3.9	32
62	A simple water balance model adapted for soil water repellency: application on Portuguese burned and unburned eucalypt stands. <i>Hydrological Processes</i> , 2016, 30, 463-478.	2.6	20
63	Advances towards an Integrated Assessment of Fire Effects on Soils, Vegetation and Geomorphological Processes. <i>Land Degradation and Development</i> , 2016, 27, 1314-1318.	3.9	3
64	Biochar effects on soil water infiltration and erosion under seal formation conditions: rainfall simulation experiment. <i>Journal of Soils and Sediments</i> , 2016, 16, 2709-2719.	3.0	104
65	Effect of fire frequency on runoff, soil erosion, and loss of organic matter at the micro-plot scale in north-central Portugal. <i>Geoderma</i> , 2016, 269, 126-137.	5.1	45
66	Fire effects on the seed bank of three Mediterranean shrubs: implications for fire management. <i>Plant Ecology</i> , 2016, 217, 1235-1246.	1.6	10
67	Effects of fire recurrence and different salvage logging techniques on carbon storage in <i>Pinus pinaster</i> forests from northern Portugal. <i>European Journal of Forest Research</i> , 2016, 135, 1107-1117.	2.5	18
68	Annual runoff and erosion in a recently burn Mediterranean forest – The effects of plowing and time-since-fire. <i>Geomorphology</i> , 2016, 270, 172-183.	2.6	29
69	Differences in overland flow, hydrophobicity and soil moisture dynamics between Mediterranean woodland types in a peri-urban catchment in Portugal. <i>Journal of Hydrology</i> , 2016, 533, 473-485.	5.4	36
70	Fire-induced pine woodland to shrubland transitions in Southern Europe may promote shifts in soil fertility. <i>Science of the Total Environment</i> , 2016, 573, 1232-1241.	8.0	46
71	Mid-term and scaling effects of forest residue mulching on post-fire runoff and soil erosion. <i>Science of the Total Environment</i> , 2016, 573, 1242-1254.	8.0	78
72	Short-time phosphorus losses by overland flow in burnt pine and eucalypt plantations in north-central Portugal: A study at micro-plot scale. <i>Science of the Total Environment</i> , 2016, 551-552, 631-639.	8.0	24

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73	Hydrologic Implications of Post-Fire Mulching Across Different Spatial Scales. <i>Land Degradation and Development</i> , 2016, 27, 1440-1452.	3.9	56
74	Physically-Based Modelling of the Post-Fire Runoff Response of a Forest Catchment in Central Portugal: Using Field versus Remote Sensing Based Estimates of Vegetation Recovery. <i>Land Degradation and Development</i> , 2016, 27, 1535-1544.	3.9	59
75	Runoff and Inter-Rill Erosion Affected by Wildfire and Pre-Fire Ploughing in Eucalypt Plantations of North-Central Portugal. <i>Land Degradation and Development</i> , 2016, 27, 1366-1378.	3.9	39
76	Short-term nitrogen losses by overland flow in a recently burnt forest area in north-central Portugal: A study at micro-plot scale. <i>Science of the Total Environment</i> , 2016, 572, 1281-1288.	8.0	19
77	Major and trace elements in soils and ashes of eucalypt and pine forest plantations in Portugal following a wildfire. <i>Science of the Total Environment</i> , 2016, 572, 1363-1376.	8.0	104
78	Effects of ash-loaded post-fire runoff on the freshwater clam <i>Corbicula fluminea</i> . <i>Ecological Engineering</i> , 2016, 90, 180-189.	3.6	26
79	Combining digital soil mapping and hydrological modeling in a data scarce watershed in north-central Portugal. <i>Geoderma</i> , 2016, 264, 350-362.	5.1	40
80	Effectiveness of Hydromulching to Reduce Runoff and Erosion in a Recently Burnt Pine Plantation in Central Portugal. <i>Land Degradation and Development</i> , 2016, 27, 1319-1333.	3.9	94
81	Physiological response to drought in seedlings of <i>Pistacia lentiscus</i> (mastic tree). <i>New Forests</i> , 2016, 47, 119-130.	1.7	18
82	Surface and subsurface flow in eucalyptus plantations in north-central Portugal. <i>Journal of Hydrology and Hydromechanics</i> , 2015, 63, 193-200.	2.0	17
83	Optical Fiber Technology for Monitoring and Preventing Biomass Washout from Bioreactors: a Case Study with a Sequencing Batch Reactor (SBR). <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	2
84	Wildfire-induced alterations of topsoil organic matter and their recovery in Mediterranean eucalypt stands detected with biogeochemical markers. <i>European Journal of Soil Science</i> , 2015, 66, 699-713.	3.9	21
85	Assessing the performance of a plastic optical fibre turbidity sensor for measuring post-fire erosion from plot to catchment scale. <i>Soil</i> , 2015, 1, 641-650.	4.9	6
86	Time series analysis of the long-term hydrologic impacts of afforestation in the <i>Águeda</i> watershed of north-central Portugal. <i>Hydrology and Earth System Sciences</i> , 2015, 19, 3033-3045.	4.9	34
87	Water repellency of air-dried and sieved samples from limestone soils in central Portugal collected before and after prescribed fire. <i>Plant and Soil</i> , 2015, 394, 199-214.	3.7	25
88	Novel approach for simultaneous sediment classification and concentration determination of water turbidity. <i>Proceedings of SPIE</i> , 2015, , .	0.8	1
89	Does soil burn severity affect the post-fire runoff and interrill erosion response? A review based on meta-analysis of field rainfall simulation data. <i>Journal of Hydrology</i> , 2015, 523, 452-464.	5.4	131
90	Toxicity assessment of aqueous extracts of ash from forest fires. <i>Catena</i> , 2015, 135, 401-408.	5.0	70

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91	Molecular characterization of wildfire impacts on organic matter in eroded sediments and topsoil in Mediterranean eucalypt stands. <i>Catena</i> , 2015, 135, 29-37.	5.0	34
92	Cation export by overland flow in a recently burnt forest area in north-central Portugal. <i>Science of the Total Environment</i> , 2015, 524-525, 201-212.	8.0	26
93	Effects of wildfire on mercury mobilisation in eucalypt and pine forests. <i>Catena</i> , 2015, 131, 149-159.	5.0	52
94	Soil properties, phosphorus fractions and sorption after wildfire in north-central Portugal. <i>Geoderma Regional</i> , 2015, 5, 86-95.	2.1	10
95	Effects of moisture content on wind erosion thresholds of biochar. <i>Atmospheric Environment</i> , 2015, 123, 121-128.	4.1	23
96	Impacts of climate and land use changes on the hydrological and erosion processes of two contrasting Mediterranean catchments. <i>Science of the Total Environment</i> , 2015, 538, 64-77.	8.0	166
97	Influence of wildfire severity on soil physical degradation in two pine forest stands of NW Spain. <i>Catena</i> , 2015, 133, 342-348.	5.0	34
98	Strategies to prevent forest fires and techniques to reverse degradation processes in burned areas. <i>Catena</i> , 2015, 128, 224-237.	5.0	42
99	Within-in flume sediment deposition in a forested catchment following wildfire and post-fire bench terracing, north-central Portugal. <i>Cuadernos De Investigacion Geografica</i> , 2015, 41, 149-164.	1.1	14
100	Water Resources Response to Changes in Temperature, Rainfall and CO2 Concentration: A First Approach in NW Spain. <i>Water (Switzerland)</i> , 2014, 6, 3049-3067.	2.7	25
101	Potential risk of biochar-amended soil to aquatic systems: an evaluation based on aquatic bioassays. <i>Ecotoxicology</i> , 2014, 23, 1784-1793.	2.4	42
102	Natural establishment of <i>Eucalyptus globulus</i> Labill. in burnt stands in Portugal. <i>Forest Ecology and Management</i> , 2014, 323, 47-56.	3.2	63
103	Modelling runoff and erosion, and their mitigation, in burned Portuguese forest using the revised Morganâ€™Morganâ€™Finney model. <i>Forest Ecology and Management</i> , 2014, 314, 150-165.	3.2	44
104	The role of cold storage and seed source in the germination of three Mediterranean shrub species with contrasting dormancy types. <i>Annals of Forest Science</i> , 2014, 71, 863-872.	2.0	5
105	Post-fire plant diversity and abundance in pine and eucalypt stands in Portugal: Effects of biogeography, topography, forest type and post-fire management. <i>Forest Ecology and Management</i> , 2014, 334, 154-162.	3.2	21
106	Assessment of river water quality using an integrated physicochemical, biological and ecotoxicological approach. <i>Environmental Sciences: Processes and Impacts</i> , 2014, 16, 1434.	3.5	20
107	Polyacrylamide application versus forest residue mulching for reducing post-fire runoff and soil erosion. <i>Science of the Total Environment</i> , 2014, 468-469, 464-474.	8.0	91
108	Post-fire soil erosion mitigation: a review of the last research and techniques developed in Portugal. <i>Cuadernos De Investigacion Geografica</i> , 2014, 40, 403-428.	1.1	17

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109	Occurrence of native and exotic invasive trees in burned pine and eucalypt plantations: Implications for post-fire forest conversion. <i>Ecological Engineering</i> , 2013, 58, 296-302.	3.6	25
110	Modeling the response of within-storm runoff and erosion dynamics to climate change in two Mediterranean watersheds: A multi-model, multi-scale approach to scenario design and analysis. <i>Catena</i> , 2013, 102, 27-39.	5.0	68
111	Assessing the role of pre-fire ground preparation operations and soil water repellency in post-fire runoff and inter-rill erosion by repeated rainfall simulation experiments in Portuguese eucalypt plantations. <i>Catena</i> , 2013, 108, 69-83.	5.0	49
112	The role of seed provenance in the early development of <i>Arbutus unedo</i> seedlings under contrasting watering conditions. <i>Environmental and Experimental Botany</i> , 2013, 96, 11-19.	4.2	16
113	Reductions in soil surface albedo as a function of biochar application rate: implications for global radiative forcing. <i>Environmental Research Letters</i> , 2013, 8, 044008.	5.2	32
114	Runoff and inter-rill erosion in a Maritime Pine and a Eucalypt plantation following wildfire and terracing in north-central Portugal. <i>Journal of Hydrology and Hydromechanics</i> , 2013, 61, 261-268.	2.0	50
115	Phosphorus Loss from a Mixed Land Use Catchment in Northwest Spain. <i>Journal of Environmental Quality</i> , 2013, 42, 1151-1158.	2.0	2
116	Simulation of a persistent medium-term precipitation event over the western Iberian Peninsula. <i>Hydrology and Earth System Sciences</i> , 2013, 17, 3741-3758.	4.9	5
117	Assessment of the toxicity of ash-loaded runoff from a recently burnt eucalypt plantation. <i>European Journal of Forest Research</i> , 2012, 131, 1889-1903.	2.5	73
118	Effectiveness of forest residue mulching in reducing post-fire runoff and erosion in a pine and a eucalypt plantation in north-central Portugal. <i>Geoderma</i> , 2012, 191, 115-124.	5.1	130
119	Wildfire effects on the soil seed bank of a maritime pine stand – The importance of fire severity. <i>Geoderma</i> , 2012, 191, 80-88.	5.1	52
120	Characterization of wildfire effects on soil organic matter using analytical pyrolysis. <i>Geoderma</i> , 2012, 191, 24-30.	5.1	65
121	Concise overview of European soil erosion research and evaluation. <i>Acta Agriculturae Scandinavica - Section B Soil and Plant Science</i> , 2012, 62, 185-190.	0.6	12
122	Fire severity as a key factor in post-fire regeneration of <i>Pinus pinaster</i> (Ait.) in Central Portugal. <i>Annals of Forest Science</i> , 2012, 69, 489-498.	2.0	53
123	Germination in five shrub species of Maritime Pine understory – does seed provenance matter?. <i>Annals of Forest Science</i> , 2012, 69, 499-507.	2.0	12
124	Post-fire overland flow generation and inter-rill erosion under simulated rainfall in two eucalypt stands in north-central Portugal. <i>Environmental Research</i> , 2011, 111, 222-236.	7.5	52
125	Turbidity sensor for determination of concentration, ash presence and particle diameter of sediment suspensions. , 2011, , .		7
126	Wildfire effects on soil erodibility of woodlands in NW Spain. <i>Land Degradation and Development</i> , 2010, 21, 75-82.	3.9	47

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127	Design and performance assessment of a plastic optical fibre-based sensor for measuring water turbidity. <i>Measurement Science and Technology</i> , 2010, 21, 107001.	2.6	21
128	Effects of wildfire and laboratory heating on soil aggregate stability of pine forests in Galicia: The role of lithology, soil organic matter content and water repellency. <i>Catena</i> , 2010, 83, 127-134.	5.0	66
129	The kinetic energy of rain measured with an optical disdrometer: An application to splash erosion. <i>Atmospheric Research</i> , 2010, 96, 225-240.	4.1	86
130	Spatial patterns of surface water quality in the Cãrtima River basin, central Portugal. <i>Journal of Environmental Monitoring</i> , 2010, 12, 189-199.	2.1	14
131	A review of rainfall interception modelling. <i>Journal of Hydrology</i> , 2009, 370, 191-206.	5.4	299
132	Sensitivity of runoff and soil erosion to climate change in two Mediterranean watersheds. Part I: model parameterization and evaluation. <i>Hydrological Processes</i> , 2009, 23, 1202-1211.	2.6	33
133	Sensitivity of runoff and soil erosion to climate change in two Mediterranean watersheds. Part II: assessing impacts from changes in storm rainfall, soil moisture and vegetation cover. <i>Hydrological Processes</i> , 2009, 23, 1212-1220.	2.6	44
134	Temporal variation in topsoil water repellency in two recently burnt eucalypt stands in north-central Portugal. <i>Catena</i> , 2008, 74, 192-204.	5.0	101
135	Soil and water degradation processes in burned areas: Lessons learned from a nested approach. <i>Catena</i> , 2008, 74, 273-285.	5.0	100
136	Temporal and spatial variations in topsoil water repellency throughout a cropârotation cycle on sandy soil in northâcentral Portugal. <i>Hydrological Processes</i> , 2007, 21, 2317-2324.	2.6	46
137	The role of tree stem proximity in the spatial variability of soil water repellency in a eucalypt plantation in coastal Portugal. <i>Soil Research</i> , 2005, 43, 251.	1.1	29
138	Extraction of compounds associated with water repellency in sandy soils of different origin. <i>Soil Research</i> , 2005, 43, 225.	1.1	130
139	Competitive sorption of metals in water repellent soils: Implications for irrigation recycled water. <i>Soil Research</i> , 2005, 43, 351.	1.1	21
140	Influence of burning intensity on water repellency and hydrological processes at forest and shrub sites in Portugal. <i>Soil Research</i> , 2005, 43, 327.	1.1	63
141	The role of soil water repellency in overland flow generation in pine and eucalypt forest stands in coastal Portugal. <i>Soil Research</i> , 2005, 43, 337.	1.1	47
142	The impact of soil water repellency on soil hydrological and erosional processes under Eucalyptus and evergreen Quercus forests in the Western Mediterranean. <i>Soil Research</i> , 2005, 43, 309.	1.1	35
143	Soil water repellency under dry and wet antecedent weather conditions for selected land-cover types in the coastal zone of central Portugal. <i>Soil Research</i> , 2005, 43, 297.	1.1	34
144	Overland flow generation processes, erosion yields and solute loss following different intensity fires. <i>Quarterly Journal of Engineering Geology and Hydrogeology</i> , 2004, 37, 233-240.	1.4	53

#	ARTICLE	IF	CITATIONS
145	A ranking methodology for assessing relative erosion risk and its application to dehesas and montados in Spain and Portugal. <i>Land Degradation and Development</i> , 2002, 13, 129-140.	3.9	37
146	Automated biostratigraphic correlation of palynological records on the basis of shapes of pollen curves and evaluation of next-best solutions. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 1996, 124, 17-37.	2.3	4
147	Biochar Increases Water Use Efficiency in Eucalypt Plants Under Water and Nutrient Limitation, with Trade-Offs Under Non-limiting Conditions. <i>Journal of Soil Science and Plant Nutrition</i> , 0, , 1.	3.4	1
148	On sustainable improvements of agricultural practices in the Bairrada region (Portugal). <i>Environment, Development and Sustainability</i> , 0, , 1.	5.0	2