Arwyn Rhys Jones

List of Publications by Year
in descending order

33	2,986	236925 25	414414 32
papers	citations	h-index	g-index

34	34	34	4675
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	European Soil Data Centre: Response to European policy support and public data requirements. Land Use Policy, 2012, 29, 329-338.	5.6	495
2	Distribution of glyphosate and aminomethylphosphonic acid (AMPA) in agricultural topsoils of the European Union. Science of the Total Environment, 2018, 621, 1352-1359.	8.0	246
3	Copper distribution in European topsoils: An assessment based on LUCAS soil survey. Science of the Total Environment, 2018, 636, 282-298.	8.0	240
4	Potential carbon sequestration of European arable soils estimated by modelling a comprehensive set of management practices. Global Change Biology, 2014, 20, 3557-3567.	9.5	181
5	A new baseline of organic carbon stock in European agricultural soils using a modelling approach. Global Change Biology, 2014, 20, 313-326.	9.5	176
6	The LUCAS topsoil database and derived information on the regional variability of cropland topsoil properties in the European Union. Environmental Monitoring and Assessment, 2013, 185, 7409-7425.	2.7	174
7	Harmonisation of the soil map of Africa at the continental scale. Geoderma, 2013, 211-212, 138-153.	5.1	150
8	Mapping LUCAS topsoil chemical properties at European scale using Gaussian process regression. Geoderma, 2019, 355, 113912.	5.1	148
9	Mitigation potential of soil carbon management overestimated by neglecting N2O emissions. Nature Climate Change, 2018, 8, 219-223.	18.8	122
10	Effect of Good Agricultural and Environmental Conditions on erosion and soil organic carbon balance: A national case study. Land Use Policy, 2016, 50, 408-421.	5.6	104
11	European digital archive on soil maps (EuDASM): preserving important soil data for public free access. International Journal of Digital Earth, 2011, 4, 434-443.	3.9	100
12	Potential Sources of Anthropogenic Copper Inputs to European Agricultural Soils. Sustainability, 2018, 10, 2380.	3.2	95
13	Soil natural capital in europe; a framework for state and change assessment. Scientific Reports, 2017, 7, 6706.	3.3	77
14	Soil erosion is unlikely to drive a future carbon sink in Europe. Science Advances, 2018, 4, eaau3523.	10.3	67
15	Quantifying the erosion effect on current carbon budget of European agricultural soils at high spatial resolution. Global Change Biology, 2016, 22, 1976-1984.	9.5	65
16	Soil Organic Carbon Estimation in Croplands by Hyperspectral Remote APEX Data Using the LUCAS Topsoil Database. Remote Sensing, 2018, 10, 153.	4.0	65
17	Climate change in Europe. 2. Impact on soil. A review. Agronomy for Sustainable Development, 2009, 29, 423-432.	5.3	57
18	Harvesting European knowledge on soil functions and land management using multiâ€criteria decision analysis. Soil Use and Management, 2019, 35, 6-20.	4.9	48

#	Article	IF	Citations
19	Satellite remote sensing for soil mapping in Africa. Progress in Physical Geography, 2012, 36, 514-538.	3.2	45
20	Continental-scale assessment of provisioning soil functions in Europe. Ecological Processes, 2013, 2, .	3.9	45
21	The Impact of Policy Instruments on Soil Multifunctionality in the European Union. Sustainability, 2017, 9, 407.	3.2	41
22	Soil multifunctionality: Synergies and tradeâ€offs across <scp>European</scp> climatic zones and land uses. European Journal of Soil Science, 2021, 72, 1640-1654.	3.9	39
23	Soil priorities in the European Union. Geoderma Regional, 2022, 29, e00510.	2.1	37
24	Largeâ€scale drivers of relationships between soil microbial properties and organic carbon across Europe. Global Ecology and Biogeography, 2021, 30, 2070-2083.	5.8	32
25	Demands on land: Mapping competing societal expectations for the functionality of agricultural soils in Europe. Environmental Science and Policy, 2019, 100, 113-125.	4.9	31
26	Maximising climate mitigation potential by carbon and radiative agricultural land management with cover crops. Environmental Research Letters, 2020, 15, 094075.	5.2	26
27	Complementing the topsoil information of the Land Use/Land Cover Area Frame Survey (LUCAS) with modelled N2O emissions. PLoS ONE, 2017, 12, e0176111.	2.5	23
28	Integrated management for sustainable cropping systems: Looking beyond the greenhouse balance at the field scale. Global Change Biology, 2020, 26, 2584-2598.	9.5	23
29	Development of a harmonised soil profile analytical database for Europe: a resource for supporting regional soil management. Soil, 2019, 5, 289-301.	4.9	13
30	Spatial evaluation and tradeâ€off analysis of soil functions through Bayesian networks. European Journal of Soil Science, 2021, 72, 1575-1589.	3.9	11
31	Aridity and geochemical drivers of soil micronutrient and contaminant availability in <scp>European</scp> drylands. European Journal of Soil Science, 2022, 73, .	3.9	6
32	Activities realized within the Service Level Agreement between JRC and EFSA, as a support of the FATE Working Group of EFSA PPR in support of the revision of the guidance document Persistence in Soil. EFSA Supporting Publications, 2010, 7, .	0.7	4
33	Landform investigation utilizing digitally processed satellite thematic mapper imagery. Earth, Moon and Planets, 1987, 37, 171-185.	0.6	0