

# Arwyn Rhys Jones

## List of Publications by Year in descending order

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Version: 2024-02-01

33  
papers

2,986  
citations

236925

25  
h-index

414414

32  
g-index

34  
all docs

34  
docs citations

34  
times ranked

4675  
citing authors

#	ARTICLE	IF	CITATIONS
1	Aridity and geochemical drivers of soil micronutrient and contaminant availability in <sc>European</sc> drylands. <i>European Journal of Soil Science</i> , 2022, 73, .	3.9	6
2	Soil priorities in the European Union. <i>Geoderma Regional</i> , 2022, 29, e00510.	2.1	37
3	Spatial evaluation and trade-off analysis of soil functions through Bayesian networks. <i>European Journal of Soil Science</i> , 2021, 72, 1575-1589.	3.9	11
4	Large-scale drivers of relationships between soil microbial properties and organic carbon across Europe. <i>Global Ecology and Biogeography</i> , 2021, 30, 2070-2083.	5.8	32
5	Soil multifunctionality: Synergies and trade-offs across <sc>European</sc> climatic zones and land uses. <i>European Journal of Soil Science</i> , 2021, 72, 1640-1654.	3.9	39
6	Integrated management for sustainable cropping systems: Looking beyond the greenhouse balance at the field scale. <i>Global Change Biology</i> , 2020, 26, 2584-2598.	9.5	23
7	Maximising climate mitigation potential by carbon and radiative agricultural land management with cover crops. <i>Environmental Research Letters</i> , 2020, 15, 094075.	5.2	26
8	Demands on land: Mapping competing societal expectations for the functionality of agricultural soils in Europe. <i>Environmental Science and Policy</i> , 2019, 100, 113-125.	4.9	31
9	Development of a harmonised soil profile analytical database for Europe: a resource for supporting regional soil management. <i>Soil</i> , 2019, 5, 289-301.	4.9	13
10	Mapping LUCAS topsoil chemical properties at European scale using Gaussian process regression. <i>Geoderma</i> , 2019, 355, 113912.	5.1	148
11	Harvesting European knowledge on soil functions and land management using multi-criteria decision analysis. <i>Soil Use and Management</i> , 2019, 35, 6-20.	4.9	48
12	Mitigation potential of soil carbon management overestimated by neglecting N <sub>2</sub> O emissions. <i>Nature Climate Change</i> , 2018, 8, 219-223.	18.8	122
13	Copper distribution in European topsoils: An assessment based on LUCAS soil survey. <i>Science of the Total Environment</i> , 2018, 636, 282-298.	8.0	240
14	Distribution of glyphosate and aminomethylphosphonic acid (AMPA) in agricultural topsoils of the European Union. <i>Science of the Total Environment</i> , 2018, 621, 1352-1359.	8.0	246
15	Soil erosion is unlikely to drive a future carbon sink in Europe. <i>Science Advances</i> , 2018, 4, eaau3523.	10.3	67
16	Potential Sources of Anthropogenic Copper Inputs to European Agricultural Soils. <i>Sustainability</i> , 2018, 10, 2380.	3.2	95
17	Soil Organic Carbon Estimation in Croplands by Hyperspectral Remote APEX Data Using the LUCAS Topsoil Database. <i>Remote Sensing</i> , 2018, 10, 153.	4.0	65
18	Soil natural capital in Europe; a framework for state and change assessment. <i>Scientific Reports</i> , 2017, 7, 6706.	3.3	77

#	ARTICLE	IF	CITATIONS
19	Complementing the topsoil information of the Land Use/Land Cover Area Frame Survey (LUCAS) with modelled N <sub>2</sub> O emissions. PLoS ONE, 2017, 12, e0176111.	2.5	23
20	The Impact of Policy Instruments on Soil Multifunctionality in the European Union. Sustainability, 2017, 9, 407.	3.2	41
21	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
22	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
23	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
24	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
25	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
26	Continental-scale assessment of provisioning soil functions in Europe. Ecological Processes, 2013, 2, .	3.9	45
27	Harmonisation of the soil map of Africa at the continental scale. Geoderma, 2013, 211-212, 138-153.	5.1	150
28	Satellite remote sensing for soil mapping in Africa. Progress in Physical Geography, 2012, 36, 514-538.	3.2	45
29	European Soil Data Centre: Response to European policy support and public data requirements. Land Use Policy, 2012, 29, 329-338.	5.6	495
30	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
31	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
32	Climate change in Europe. 2. Impact on soil. A review. Agronomy for Sustainable Development, 2009, 29, 423-432.	5.3	57
33	Landform investigation utilizing digitally processed satellite thematic mapper imagery. Earth, Moon and Planets, 1987, 37, 171-185.	0.6	0