

# Blair M Mckenzie

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4472993/publications.pdf>

Version: 2024-02-01

33  
papers

1,869  
citations

471509  
17  
h-index

395702  
33  
g-index

34  
all docs

34  
docs citations

34  
times ranked

2636  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving intercropping: a synthesis of research in agronomy, plant physiology and ecology. <i>New Phytologist</i> , 2015, 206, 107-117.	7.3	805
2	Matching roots to their environment. <i>Annals of Botany</i> , 2013, 112, 207-222.	2.9	247
3	Root hairs aid soil penetration by anchoring the root surface to pore walls. <i>Journal of Experimental Botany</i> , 2016, 67, 1071-1078.	4.8	75
4	Stabilisation of soil against wind erosion by six saprotrophic fungi. <i>Soil Biology and Biochemistry</i> , 2012, 50, 134-141.	8.8	73
5	Visual soil evaluation: A summary of some applications and potential developments for agriculture. <i>Soil and Tillage Research</i> , 2017, 173, 114-124.	5.6	72
6	Improved soil fertility from compost amendment increases root growth and reinforcement of surface soil on slopes. <i>Ecological Engineering</i> , 2014, 71, 458-465.	3.6	71
7	Laboratory study on the potential use of recycled inert construction waste material in the substrate mix for extensive green roofs. <i>Ecological Engineering</i> , 2013, 61, 706-714.	3.6	61
8	Application of Bayesian Belief Networks to quantify and map areas at risk to soil threats: Using soil compaction as an example. <i>Soil and Tillage Research</i> , 2013, 132, 56-68.	5.6	50
9	Microbial responses to the erosional redistribution of soil organic carbon in arable fields. <i>Soil Biology and Biochemistry</i> , 2013, 60, 195-201.	8.8	44
10	Seasonal nitrous oxide emissions from field soils under reduced tillage, compost application or organic farming. <i>Agriculture, Ecosystems and Environment</i> , 2014, 189, 171-180.	5.3	41
11	Changes in soil organic carbon fractions and residence time five years after implementing conventional and conservation tillage practices. <i>Soil and Tillage Research</i> , 2020, 200, 104632.	5.6	41
12	Water relations of white clover ( <i>Trifolium repens</i> L.) in a drying soil, as a function of phosphorus supply and defoliation frequency. <i>Australian Journal of Agricultural Research</i> , 1997, 48, 675.	1.5	35
13	Rootâ€‘soil friction: quantification provides evidence for measurable benefits for manipulation of rootâ€‘tip traits. <i>Plant, Cell and Environment</i> , 2013, 36, 1085-1092.	5.7	35
14	Phosphorus concentrations in the leaves of defoliated white clover affect abscisic acid formation and transpiration in drying soil. <i>New Phytologist</i> , 2000, 146, 249-259.	7.3	34
15	Timelapse scanning reveals spatial variation in tomato ( <i>Solanum lycopersicum</i> L.) root elongation rates during partial waterlogging. <i>Plant and Soil</i> , 2013, 369, 467-477.	3.7	34
16	Quantitative image analysis of earthworm-mediated soil displacement. <i>Biology and Fertility of Soils</i> , 2009, 45, 821-828.	4.3	22
17	Withinâ€‘Year Changes in Hydraulic Properties of a Shallow Entisol in Farmland and Forestland. <i>Vadose Zone Journal</i> , 2015, 14, 1-15.	2.2	20
18	Kelp ( <i>Laminaria digitata</i> ) increases germination and affects rooting and plant vigour in crops and native plants from an arable grassland in the Outer Hebrides, Scotland. <i>Journal of Coastal Conservation</i> , 2010, 14, 239-247.	1.6	17

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19	Field Phenotyping and Long-Term Platforms to Characterise How Crop Genotypes Interact with Soil Processes and the Environment. <i>Agronomy</i> , 2014, 4, 242-278.	3.0	16
20	Assessing the significance of soil erosion for arable weed seedbank diversity in agro-ecosystems. <i>Progress in Physical Geography</i> , 2013, 37, 622-641.	3.2	13
21	Importance of short-term temporal variability in soil physical properties for soil water modelling under different tillage practices. <i>Soil and Tillage Research</i> , 2021, 213, 105132.	5.6	11
22	MoirÃ© as a low-cost, robust, optical-technique to quantify soil surface condition. <i>Soil and Tillage Research</i> , 2016, 158, 147-155.	5.6	8
23	Over winter cover crops provide yield benefits for spring barley and maintain soil health in northern Europe. <i>European Journal of Agronomy</i> , 2021, 130, 126363.	4.1	8
24	Agricultural Landscapes: History, Status and Challenges. <i>Innovations in Landscape Research</i> , 2021, , 3-54.	0.4	7
25	Landscapes, Their Exploration and Utilisation: Status and Trends of Landscape Research. <i>Innovations in Landscape Research</i> , 2019, , 105-164.	0.4	6
26	Soil Physical Quality. <i>Encyclopedia of Earth Sciences Series</i> , 2011, , 770-777.	0.1	6
27	Spatial trends in the wind abrasion resistance of cultivated machair soil, South Uist, Scottish Outer Hebrides. <i>Catena</i> , 2015, 135, 1-10.	5.0	4
28	Influence of Tillage Practices, Organic Manures and Extrinsic Factors on Î²-Glucosidase Activity: The Final Step of Cellulose Hydrolysis. <i>Soil Systems</i> , 2018, 2, 21.	2.6	4
29	Identifying Spring Barley Cultivars with Differential Response to Tillage. <i>Agronomy</i> , 2020, 10, 686.	3.0	4
30	Optimizing Agricultural Landscapes: Measures Towards Prosperity and Sustainability. <i>Innovations in Landscape Research</i> , 2021, , 91-130.	0.4	2
31	Exploring Agricultural Landscapes: Recent Progress and Opportunities for Eurasia. <i>Innovations in Landscape Research</i> , 2021, , 55-90.	0.4	1
32	Understanding Soils: Their Functions, Use and Degradation. <i>Innovations in Landscape Research</i> , 2022, , 1-42.	0.4	1
33	Optical and portable equipment for characterizing soil roughness. <i>Smart Agricultural Technology</i> , 2023, 3, 100062.	5.4	1