Felix Herzog

List of Publications by Year
in descending order

96 papers	5,076 citations	76326 40 h-index	98798 67 g-index
97 all docs	97 docs citations	97 times ranked	5523 citing authors

#	Article	IF	Citations
1	Do European agroforestry systems enhance biodiversity and ecosystem services? A meta-analysis. Agriculture, Ecosystems and Environment, 2016, 230, 150-161.	5.3	365
2	The interplay of landscape composition and configuration: new pathways to manage functional biodiversity and agroecosystem services across Europe. Ecology Letters, 2019, 22, 1083-1094.	6.4	364
3	The effectiveness of flower strips and hedgerows on pest control, pollination services and crop yield: a quantitative synthesis. Ecology Letters, 2020, 23, 1488-1498.	6.4	319
4	REVIEW: The role of ecosystems and their management in regulating climate, and soil, water and air quality. Journal of Applied Ecology, 2013, 50, 812-829.	4.0	169
5	Current extent and stratification of agroforestry in the European Union. Agriculture, Ecosystems and Environment, 2017, 241, 121-132.	5.3	148
6	A systematic representation of crop rotations. Agricultural Systems, 2008, 97, 26-33.	6.1	127
7	Development and application of bio-economic modelling to compare silvoarable, arable, and forestry systems in three European countries. Ecological Engineering, 2007, 29, 434-449.	3.6	126
8	Agroforestry creates carbon sinks whilst enhancing the environment in agricultural landscapes in Europe. Land Use Policy, 2019, 83, 581-593.	5.6	121
9	Modeling environmental benefits of silvoarable agroforestry in Europe. Agriculture, Ecosystems and Environment, 2007, 119, 320-334.	5.3	116
10	Yield-SAFE: A parameter-sparse, process-based dynamic model for predicting resource capture, growth, and production in agroforestry systems. Ecological Engineering, 2007, 29, 419-433.	3.6	115
11	Agroforestry systems of high nature and cultural value in Europe: provision of commercial goods and other ecosystem services. Agroforestry Systems, 2018, 92, 877-891.	2.0	115
12	A systematic map of ecosystem services assessments around European agroforestry. Ecological Indicators, 2016, 62, 47-65.	6.3	114
13	Effects of habitat amount and isolation on biodiversity in fragmented traditional orchards. Journal of Applied Ecology, 2010, 47, 1003-1013.	4.0	109
14	Application of an ecosystem function framework to perceptions of community woodlands. Land Use Policy, 2009, 26, 551-557.	5.6	105
15	Interactive effects of landscape context constrain the effectiveness of local agriâ€environmental management. Journal of Applied Ecology, 2012, 49, 695-705.	4.0	100
16	Ecological cross compliance promotes farmland biodiversity in Switzerland. Frontiers in Ecology and the Environment, 2009, 7, 247-252.	4.0	98
17	Gains to species diversity in organically farmed fields are not propagated at the farm level. Nature Communications, 2014, 5, 4151.	12.8	89
18	Agroforestry is paying off â€“ Economic evaluation of ecosystem services in European landscapes with and without agroforestry systems. Ecosystem Services, 2019, 36, 100896.	5.4	84

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19	Cross-site analysis of perceived ecosystem service benefits in multifunctional landscapes. Global Environmental Change, 2019, 56, 134-147.	7.8	79
20	Soil organic carbon and root distribution in a temperate arable agroforestry system. Plant and Soil, 2013, 373, 43-58.	3.7	77
21	Agriculture and land use: Demand for and supply of agricultural commodities, characteristics of the farming and food industries, and implications for land use in the UK. Land Use Policy, 2009, 26, S230-S242.	5.6	75
22	A comparison of methods to quantify greenhouse gas emissions of cropping systems in LCA. Journal of Cleaner Production, 2018, 172, 4010-4017.	9.3	75
23	Integrating environmental and economic performance to assess modern silvoarable agroforestry in Europe. Ecological Economics, 2007, 63, 759-767.	5.7	69
24	Scanning agroforestry-based solutions for climate change mitigation and adaptation in Europe. Environmental Science and Policy, 2018, 80, 44-52.	4.9	68
25	Seasonal shifts and complementary use of pollen sources by two bees, a lacewing and a ladybeetle species in European agricultural landscapes. Journal of Applied Ecology, 2019, 56, 2431-2442.	4.0	65
26	How is agroforestry perceived in Europe? An assessment of positive and negative aspects by stakeholders. Agroforestry Systems, 2018, 92, 829-848.	2.0	64
27	Soil carbon changes after establishing woodland and agroforestry trees in a grazed pasture. Geoderma, 2016, 283, 10-20.	5.1	62
28	Farmersâ€™ reasoning behind the uptake of agroforestry practices: evidence from multiple case-studies across Europe. Agroforestry Systems, 2018, 92, 811-828.	2.0	61
29	Simulation scenarios of spatio-temporal arrangement of crops at the landscape scale. Environmental Modelling and Software, 2010, 25, 1881-1889.	4.5	60
30	Advances in European agroforestry: results from the AGFORWARD project. Agroforestry Systems, 2018, 92, 801-810.	2.0	59
31	A nexus perspective on competing land demands: Wider lessons from a UK policy case study. Environmental Science and Policy, 2016, 59, 74-84.	4.9	56
32	Methodological approach for the assessment of environmental effects of agroforestry at the landscape scale. Ecological Engineering, 2007, 29, 450-462.	3.6	55
33	Global pattern of leaf litter nitrogen and phosphorus in woody plants. Annals of Forest Science, 2010, 67, 811-811.	2.0	54
34	Poplar (Populus spp) growth and crop yields in a silvoarable experiment at three lowland sites in England. Agroforestry Systems, 2005, 63, 157-169.	2.0	53
35	Energyscapes: Linking the energy system and ecosystem services in real landscapes. Biomass and Bioenergy, 2013, 55, 17-26.	5.7	51
36	Agroforestry for high value tree systems in Europe. Agroforestry Systems, 2018, 92, 945-959.	2.0	49

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37	Implementation and calibration of the parameter-sparse Yield-SAFE model to predict production and land equivalent ratio in mixed tree and crop systems under two contrasting production situations in Europe. Ecological Modelling, 2010, 221, 1744-1756.	2.5	48
38	A framework for reviewing the trade-offs between, renewable energy, food, feed and wood production at a local level. Renewable and Sustainable Energy Reviews, 2012, 16, 129-142.	16.4	43
39	Innovative agroecosystem goods and services: key profitability drivers in Swiss agroforestry. Agronomy for Sustainable Development, 2015, 35, 759-770.	5.3	43
40	University Contributions to the Circular Economy: Professing the Hidden Curriculum. Sustainability, 2018, 10, 2719.	3.2	42
41	Economic valuation of ecosystem goods and services: a review for decision makers. Journal of Environmental Economics and Policy, 2019, 8, 359-378.	2.5	42
42	Two Novel Energy Crops: Sida hermaphrodita (L.) Rusby and Silphium perfoliatum L.â€"State of Knowledge. Agronomy, 2020, 10, 928.	3.0	40
43	Effects of Light, Temperature, Irrigation and Fertilizer on Photosynthetic Rate in Tea (Camellia) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.9	39
44	What is the future for agroforestry in Italy?. Agroforestry Systems, 2019, 93, 2243-2256.	2.0	36
45	What Do We Need to Know to Enhance the Environmental Sustainability of Agricultural Production? A Prioritisation of Knowledge Needs for the UK Food System. Sustainability, 2013, 5, 3095-3115.	3.2	35
46	Spatial similarities between European agroforestry systems and ecosystem services at the landscape scale. Agroforestry Systems, 2018, 92, 1075-1089.	2.0	35
47	Farmer perception of benefits, constraints and opportunities for silvoarable systems. Outlook on Agriculture, 2017, 46, 74-83.	3.4	34
48	Modelling and valuing the environmental impacts of arable, forestry and agroforestry systems: a case study. Agroforestry Systems, 2018, 92, 1059-1073.	2.0	33
49	Agricultural technology and land use futures: The UK case. Land Use Policy, 2009, 26, S222-S229.	5.6	32
50	Farm-SAFE: the process of developing a plot- and farm-scale model of arable, forestry, and silvoarable economics. Agroforestry Systems, 2011, 81, 93-108.	2.0	31
51	Development of Crop.LCA, an adaptable screening life cycle assessment tool for agricultural systems: A Canadian scenario assessment. Journal of Cleaner Production, 2018, 172, 3770-3780.	9.3	26
52	Land use change and soil carbon pools: evidence from a long-term silvopastoral experiment. Agroforestry Systems, 2018, 92, 1035-1046.	2.0	25
53	Environmental Impact Assessment, ecosystems services and the case of energy crops in England. Journal of Environmental Planning and Management, 2012, 55, 369-385.	4.5	24
54	Agroforestry in the European common agricultural policy. Agroforestry Systems, 2018, 92, 1117-1127.	2.0	24

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55	How local stakeholders perceive agroforestry systems: an Italian perspective. Agroforestry Systems, 2018, 92, 849-862.	2.0	23
56	Landscape-scale modelling of agroforestry ecosystems services in Swiss orchards: a methodological approach. Landscape Ecology, 2018, 33, 1633-1644.	4.2	22
57	Effects of Clone and Irrigation on the Stomatal Conductance and Photosynthetic Rate of Tea (Camellia sinensis). Experimental Agriculture, 1994, 30, 1-16.	0.9	21
58	Responses of Young Tea (Camellia Sinensis) Clones to Drought and Temperature. I. Yield and Yield Distribution. Experimental Agriculture, 1996, 32, 357-372.	0.9	21
59	Responses of Young Tea (Camellia sinensis) Clones to Drought and Temperature. II. Dry Matter Production and Partitioning. Experimental Agriculture, 1996, 32, 377-394.	0.9	20
60	Development and use of a framework for characterising computer models of silvoarable economics. Agroforestry Systems, 2005, 65, 53-65.	2.0	20
61	Dry deposition of air pollutants on trees at regional scale: A case study in the Basque Country. Agricultural and Forest Meteorology, 2019, 278, 107648.	4.8	20
62	Agroforestry can enhance foraging and nesting resources for pollinators with focus on solitary bees at the landscape scale. Agroforestry Systems, 2020, 94, 379-387.	2.0	19
63	Mixtures of forest and agroforestry alleviate trade-offs between ecosystem services in European rural landscapes. Ecosystem Services, 2021, 50, 101318.	5.4	19
64	<scp>CropPol</scp>: A dynamic, open and global database on crop pollination. Ecology, 2022, 103, e3614.	3.2	19
65	Integrating belowground carbon dynamics into Yield-SAFE, a parameter sparse agroforestry model. Agroforestry Systems, 2018, 92, 1047-1057.	2.0	18
66	Effects of conservation tillage systems on soil physical changes and crop yields in a wheatâ€“oilseed rape rotation. Journal of Soils and Water Conservation, 2019, 74, 247-258.	1.6	17
67	A COMPARISON OF THE RESPONSES OF MATURE AND YOUNG CLONAL TEA TO DROUGHT. Experimental Agriculture, 2001, 37, 391-402.	0.9	16
68	A system identification approach for developing and parameterising an agroforestry system model under constrained availability of data. Environmental Modelling and Software, 2011, 26, 1540-1553.	4.5	16
69	Understanding agroforestry practices in Europe through landscape features policy promotion. Agroforestry Systems, 2018, 92, 1105-1115.	2.0	16
70	Forage-SAFE: a model for assessing the impact of tree cover on wood pasture profitability. Ecological Modelling, 2018, 372, 24-32.	2.5	16
71	Conceptualizing pathways to sustainable agricultural intensification. Advances in Ecological Research, 2020, 63, 161-192.	2.7	16
72	RESPONSES OF YOUNG TEA (CAMELLIA SINENSIS) CLONES TO DROUGHT AND TEMPERATURE. 3. SHOOT EXTENSION AND DEVELOPMENT. Experimental Agriculture, 1997, 33, 367-383.	0.9	15

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73	Developing a multi-pollutant conceptual framework for the selection and targeting of interventions in water industry catchment management schemes. Journal of Environmental Management, 2015, 161, 153-162.	7.8	14
74	Water Renew systems: wastewater polishing using renewable energy crops. Water Science and Technology, 2008, 57, 1421-1428.	2.5	13
75	Whole system valuation of arable, agroforestry and tree-only systems at three case study sites in Europe. Journal of Cleaner Production, 2020, 269, 122283.	9.3	13
76	Variation of Oriental Oak (Quercus variabilis) Leaf Î´13C across Temperate and Subtropical China: Spatial Patterns and Sensitivity to Precipitation. Forests, 2015, 6, 2296-2306.	2.1	12
77	UK food and nutrition security during and after the COVIDâ€19 pandemic. Nutrition Bulletin, 2021, 46, 88-97.	1.8	12
78	THE USE OF LEAF APPEARANCE RATES ESTIMATED FROM MEASUREMENTS OF AIR TEMPERATURE TO DETERMINE HARVEST INTERVALS FOR TEA. Experimental Agriculture, 1998, 34, 207-218.	0.9	11
79	Predicting the impacts of bioenergy production on farmland birds. Science of the Total Environment, 2014, 476-477, 7-19.	8.0	11
80	Driving forces for agroforestry uptake in Mediterranean Europe: application of the analytic network process. Agroforestry Systems, 2018, 92, 863-876.	2.0	10
81	Effects of conservation tillage drills on soil quality indicators in a wheatâ€“oilseed rape rotation: organic carbon, earthworms and waterâ€stable aggregates. Soil Use and Management, 2020, 36, 139-152.	4.9	10
82	Deriving Wheat Crop Productivity Indicators Using Sentinel-1 Time Series. Remote Sensing, 2020, 12, 2385.	4.0	10
83	EVALUATION OF SIMPLE HAND-HELD MECHANICAL SYSTEMS FOR HARVESTING TEA (CAMELLIA SINENSIS). Experimental Agriculture, 2006, 42, 165-187.	0.9	8
84	Assessing Climate Change Causes, Risks and Opportunities in Forestry. Outlook on Agriculture, 2010, 39, 263-268.	3.4	8
85	Identifying Sustainable Nitrogen Management Practices for Tea Plantations. Nitrogen, 2022, 3, 43-57.	1.3	8
86	Managing declining yields from ageing tea plantations. Journal of the Science of Food and Agriculture, 2014, 94, 1477-1481.	3.5	7
87	Insights into aphid prey consumption by ladybirds: Optimising field sampling methods and primer design for high throughput sequencing. PLoS ONE, 2020, 15, e0235054.	2.5	7
88	An approach for comparing agricultural development to societal visions. Agronomy for Sustainable Development, 2022, 42, 5.	5.3	7
89	Compatible measurements of volumetric soil water content using a neutron probe and Diviner 2000 after field calibration. Soil Use and Management, 2006, 22, 061030030452004-???.	4.9	6
90	Quantifying Regulating Ecosystem Services with Increased Tree Densities on European Farmland. Sustainability, 2020, 12, 6676.	3.2	6

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91	Ecologicalâ€“Economic Modelling of Traditional Agroforestry to Promote Farmland Biodiversity with Cost-Effective Payments. Sustainability, 2022, 14, 5615.	3.2	6
92	Colour, water and chlorophyll loss in harvested broccoli (Brassica oleracea L. Italica) under ambient conditions in Pakistan. Scientia Horticulturae, 2019, 246, 858-861.	3.6	4
93	Modelling the Interactions of Soils, Climate, and Management for Grass Production in England and Wales. Agronomy, 2021, 11, 677.	3.0	4
94	Spatial modelling approach and accounting method affects soil carbon estimates and derived farm-scale carbon payments. Science of the Total Environment, 2022, 827, 154164.	8.0	4
95	Medium-term effect of fertilizer, compost, and dolomite on cocoa soil and productivity in Sulawesi, Indonesia. Experimental Agriculture, 2021, 57, 185-202.	0.9	2
96	Contrasting changes in soil carbon under first rotation, secondary and historic woodland in England and Wales. Forest Ecology and Management, 2022, 505, 119832.	3.2	1