

Stephan Pauleit

List of Publications by Year in descending order

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Version: 2024-02-01

131
papers

10,339
citations

61945

43
h-index

36008

97
g-index

135
all docs

135
docs citations

135
times ranked

7879
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards sustainable management of the stock and ecosystem services of urban trees. From theory to model and application. <i>Trees - Structure and Function</i> , 2023, 37, 177-196.	0.9	14
2	Effects of recreational use on restored urban floodplain vegetation in urban areas. <i>Urban Forestry and Urban Greening</i> , 2022, 67, 127444.	2.3	6
3	Spatial and temporal changes of outdoor thermal stress: influence of urban land cover types. <i>Scientific Reports</i> , 2022, 12, 671.	1.6	36
4	Smart Urban Forestry: Is It the Future?. <i>Urban Book Series</i> , 2022, , 161-182.	0.3	1
5	Crown Shapes of Urban Trees-Their Dependences on Tree Species, Tree Age and Local Environment, and Effects on Ecosystem Services. <i>Forests</i> , 2022, 13, 748.	0.9	12
6	A single tree model to consistently simulate cooling, shading, and pollution uptake of urban trees. <i>International Journal of Biometeorology</i> , 2021, 65, 277-289.	1.3	33
7	A conceptual model of the social-ecological system of nature-based solutions in urban environments. <i>Ambio</i> , 2021, 50, 335-345.	2.8	30
8	What Are the Relationships Between the Spatial Urban Structure and the Ecological Characteristics of the City?. , 2021, , 41-77.		0
9	How Vulnerable Are Urban Ecosystems and How Can Urban Resilience Be Developed with Them?. , 2021, , 209-262.		0
10	Urbanisation and Its Challenges for Ecological Urban Development. , 2021, , 1-39.		1
11	What is Urban Ecology and What Are Its Applications in Urban Development?. , 2021, , 313-323.		0
12	Sustainable stormwater management under the impact of climate change and urban densification. <i>Journal of Hydrology</i> , 2021, 596, 126137.	2.3	43
13	Using green infrastructure to stimulate discourse with and for planning practice: experiences with fuzzy concepts from a pan-European, a national and a local perspective. <i>Socio-Ecological Practice Research</i> , 2021, 3, 257-280.	0.9	10
14	Visitor Counting and Monitoring in Forests Using Camera Traps: A Case Study from Bavaria (Southern) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.2	8
15	Urban Tree Growth Characteristics of Four Common Species in South Germany. <i>Arboriculture and Urban Forestry</i> , 2021, 47, 150-169.	0.2	6
16	Comparative analysis of shade and underlying surfaces on cooling effect. <i>Urban Forestry and Urban Greening</i> , 2021, 63, 127223.	2.3	23
17	Editorial: Transformative Urban Greening: Advancing Green Space Governance. <i>Frontiers in Sustainable Cities</i> , 2021, 3, .	1.2	1
18	Urban tree growth and ecosystem services under extreme drought. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108532.	1.9	18

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19	Regulating the microclimate with urban green in densifying cities: Joint assessment on two scales. <i>Building and Environment</i> , 2021, 205, 108233.	3.0	11
20	Trade-Offs between Urban Green Space and Densification: Balancing Outdoor Thermal Comfort, Mobility, and Housing Demand. <i>Urban Planning</i> , 2021, 6, 5-19.	0.7	19
21	Urban Green Infrastructure in the Global South. <i>Cities and Nature</i> , 2021, , 107-143.	0.6	25
22	Living Labs – A Concept for Co-Designing Nature-Based Solutions. <i>Sustainability</i> , 2021, 13, 188.	1.6	40
23	Non-Structural Flood Management in European Rural Mountain Areas – Are Scientists Supporting Implementation?. <i>Hydrology</i> , 2021, 8, 167.	1.3	9
24	Unearthing time-honored examples of nature-based solutions. <i>Socio-Ecological Practice Research</i> , 2021, 3, 329-335.	0.9	14
25	Nature-Based Solutions in Latin American Cities. , 2021, , 961-988.		0
26	Stakeholder Perceptions of Nature-Based Solutions and Their Collaborative Co-Design and Implementation Processes in Rural Mountain Areas – A Case Study From PHUSICOS. <i>Frontiers in Environmental Science</i> , 2021, 9, .	1.5	14
27	Incorporating spatial autocorrelation and settlement type segregation to improve the performance of an urban growth model. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020, 47, 1184-1200.	1.0	2
28	Traits of trees for cooling urban heat islands: A meta-analysis. <i>Building and Environment</i> , 2020, 170, 106606.	3.0	165
29	Modelling Urban Tree Growth and Ecosystem Services: Review and Perspectives. <i>Progress in Botany Fortschritte Der Botanik</i> , 2020, , 405-464.	0.1	11
30	Stakeholder Mapping to Co-Create Nature-Based Solutions: Who Is on Board?. <i>Sustainability</i> , 2020, 12, 8625.	1.6	45
31	Assessment of landscape changes under different urban dynamics based on a multiple-scenario modeling approach. <i>Environment and Planning B: Urban Analytics and City Science</i> , 2020, 47, 1361-1379.	1.0	11
32	Tree cooling effects and human thermal comfort under contrasting species and sites. <i>Agricultural and Forest Meteorology</i> , 2020, 287, 107947.	1.9	83
33	Surface runoff in urban areas: The role of residential cover and urban growth form. <i>Journal of Cleaner Production</i> , 2020, 262, 121421.	4.6	53
34	Green Infrastructures to Face Climate Change in an Urbanizing World. , 2020, , 207-234.		1
35	Green Infrastructures to Face Climate Change in an Urbanizing World. , 2020, , 1-29.		1
36	Nature-Based Solutions in Latin American Cities. , 2020, , 1-28.		2

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37	A stakeholder approach, door opener for farmland and multifunctionality in urban green infrastructure. <i>Urban Forestry and Urban Greening</i> , 2019, 40, 73-83.	2.3	32
38	Mosaic governance for urban green infrastructure: Upscaling active citizenship from a local government perspective. <i>Urban Forestry and Urban Greening</i> , 2019, 40, 53-62.	2.3	111
39	The added value of public participation GIS (PPGIS) for urban green infrastructure planning. <i>Urban Forestry and Urban Greening</i> , 2019, 40, 264-274.	2.3	115
40	Spatial patterns of urban green infrastructure for equity: A novel exploration. <i>Journal of Cleaner Production</i> , 2019, 238, 117858.	4.6	44
41	An Integrated Indicator Framework for the Assessment of Multifunctional Green Infrastructure—Exemplified in a European City. <i>Remote Sensing</i> , 2019, 11, 1869.	1.8	12
42	Urban green spaces use and management in rapidly urbanizing countries: The case of emerging towns of Oromia special zone surrounding Finfinne, Ethiopia. <i>Urban Forestry and Urban Greening</i> , 2019, 43, 126357.	2.3	29
43	Process based simulation of tree growth and ecosystem services of urban trees under present and future climate conditions. <i>Science of the Total Environment</i> , 2019, 676, 651-664.	3.9	65
44	Comparing the transpirational and shading effects of two contrasting urban tree species. <i>Urban Ecosystems</i> , 2019, 22, 683-697.	1.1	73
45	Urban green infrastructure — connecting people and nature for sustainable cities. <i>Urban Forestry and Urban Greening</i> , 2019, 40, 1-3.	2.3	42
46	A Simplified Method to Assess the Impact of Sediment and Nutrient Inputs on River Water Quality in Two Regions of the Southern Coast of South Africa. <i>Environmental Management</i> , 2019, 63, 658-672.	1.2	3
47	Mapping the Loss of Ecosystem Services in a Region Under Intensive Land Use Along the Southern Coast of South Africa. <i>Land</i> , 2019, 8, 51.	1.2	9
48	Effects of Drought on the Phenology, Growth, and Morphological Development of Three Urban Tree Species and Cultivars. <i>Sustainability</i> , 2019, 11, 5117.	1.6	19
49	Tree species from two contrasting habitats for use in harsh urban environments respond differently to extreme drought. <i>International Journal of Biometeorology</i> , 2019, 63, 197-208.	1.3	18
50	Designing public squares with green infrastructure to optimize human thermal comfort. <i>Building and Environment</i> , 2019, 149, 640-654.	3.0	105
51	Comparing the infiltration potentials of soils beneath the canopies of two contrasting urban tree species. <i>Urban Forestry and Urban Greening</i> , 2019, 38, 22-32.	2.3	40
52	Advancing urban green infrastructure in Europe: Outcomes and reflections from the GREEN SURGE project. <i>Urban Forestry and Urban Greening</i> , 2019, 40, 4-16.	2.3	182
53	Urban green spaces supply in rapidly urbanizing countries: The case of Sebeta Town, Ethiopia. <i>Remote Sensing Applications: Society and Environment</i> , 2019, 13, 138-149.	0.8	39
54	Growth patterns and effects of urban micro-climate on two physiologically contrasting urban tree species. <i>Landscape and Urban Planning</i> , 2019, 183, 88-99.	3.4	43

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55	Urban green infrastructure planning in Ethiopia: The case of emerging towns of Oromia special zone surrounding Finfinne. <i>Journal of Urban Management</i> , 2019, 8, 75-88.	2.3	48
56	Planning multifunctional green infrastructure for compact cities: What is the state of practice?. <i>Ecological Indicators</i> , 2019, 96, 99-110.	2.6	194
57	DESIGNING A RESILIENT WATERSCAPE USING A LIVING LAB AND CATALYZING POLYCENTRIC GOVERNANCE. <i>Landscape Architecture Frontiers</i> , 2019, 7, 12.	0.4	21
58	Grüne Infrastruktur – ein innovativer Ansatz für die Landschaftsplanung. <i>RaumFragen: Stadt - Region - Landschaft</i> , 2019, , 781-794.	1.0	0
59	Effect of native habitat on the cooling ability of six nursery-grown tree species and cultivars for future roadside plantings. <i>Urban Forestry and Urban Greening</i> , 2018, 30, 37-45.	2.3	27
60	Impact of peri-urban agriculture on runoff and soil erosion in the rapidly developing metropolitan area of Jakarta, Indonesia. <i>Regional Environmental Change</i> , 2018, 18, 2129-2143.	1.4	20
61	The impact of different urban dynamics on green space availability: A multiple scenario modeling approach for the region of Munich, Germany. <i>Ecological Indicators</i> , 2018, 93, 1-12.	2.6	57
62	Vertical air temperature gradients under the shade of two contrasting urban tree species during different types of summer days. <i>Science of the Total Environment</i> , 2018, 633, 100-111.	3.9	106
63	Farmland – an Elephant in the Room of Urban Green Infrastructure? Lessons learned from connectivity analysis in three German cities. <i>Ecological Indicators</i> , 2018, 94, 151-163.	2.6	26
64	Integrating the ecosystem-based approach into municipal climate adaptation strategies: The case of Germany. <i>Journal of Cleaner Production</i> , 2018, 170, 966-977.	4.6	45
65	The use of urban spatial scenario design model as a strategic planning tool for Addis Ababa. <i>Landscape and Urban Planning</i> , 2018, 180, 308-318.	3.4	25
66	Land Use Pollution Potential of Water Sources Along the Southern Coast of South Africa. <i>Change and Adaptation in Socio-Ecological Systems</i> , 2018, 4, 7-20.	1.5	1
67	Rethinking urban green infrastructure and ecosystem services from the perspective of sub-Saharan African cities. <i>Landscape and Urban Planning</i> , 2018, 180, 328-338.	3.4	98
68	Spatial variation of green space equity and its relation with urban dynamics: A case study in the region of Munich. <i>Ecological Indicators</i> , 2018, 93, 512-523.	2.6	78
69	Model-Based Evaluation of Urban River Restoration: Conflicts between Sensitive Fish Species and Recreational Users. <i>Sustainability</i> , 2018, 10, 1747.	1.6	20
70	Model-Based Evaluation of the Effects of River Discharge Modulations on Physical Fish Habitat Quality. <i>Water (Switzerland)</i> , 2018, 10, 374.	1.2	26
71	Greening cities – To be socially inclusive? About the alleged paradox of society and ecology in cities. <i>Habitat International</i> , 2017, 64, 41-48.	2.3	313
72	Regulating urban surface runoff through nature-based solutions – An assessment at the micro-scale. <i>Environmental Research</i> , 2017, 157, 135-144.	3.7	177

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73	Urban and rural river restoration in France: a typology. <i>Restoration Ecology</i> , 2017, 25, 994-1004.	1.4	24
74	Within canopy temperature differences and cooling ability of <i>Tilia cordata</i> trees grown in urban conditions. <i>Building and Environment</i> , 2017, 114, 118-128.	3.0	119
75	Exploring the future of rural-urban connections in sub-Saharan Africa: modelling urban expansion and its impact on food production in the Addis Ababa region. <i>Geografisk Tidsskrift</i> , 2017, 117, 68-81.	0.4	14
76	Multifunctional adaption of farmers as response to urban growth in the Jabodetabek Metropolitan Area, Indonesia. <i>Journal of Rural Studies</i> , 2017, 55, 100-111.	2.1	26
77	Inter- and intraannual growth patterns of urban small-leaved lime (<i>Tilia cordata</i> mill.) at two public squares with contrasting microclimatic conditions. <i>International Journal of Biometeorology</i> , 2017, 61, 1095-1107.	1.3	42
78	Microclimatic differences and their influence on transpirational cooling of <i>Tilia cordata</i> in two contrasting street canyons in Munich, Germany. <i>Agricultural and Forest Meteorology</i> , 2017, 232, 443-456.	1.9	98
79	Societal Drivers of European Water Governance: A Comparison of Urban River Restoration Practices in France and Germany. <i>Water (Switzerland)</i> , 2017, 9, 206.	1.2	29
80	Nature-Based Solutions and Climate Change – Four Shades of Green. <i>Theory and Practice of Urban Sustainability Transitions</i> , 2017, , 29-49.	1.9	91
81	Management urbaner Wälder zwischen Ansprüchen der Gesellschaft und Besitzerzielen. <i>Schweizerische Zeitschrift Für Forstwesen</i> , 2017, 168, 261-268.	0.5	1
82	The Urban Environment Can Modify Drought Stress of Small-Leaved Lime (<i>Tilia cordata</i> Mill.) and Black Locust (<i>Robinia pseudoacacia</i> L.). <i>Forests</i> , 2016, 7, 71.	0.9	59
83	Nature-based solutions to climate change mitigation and adaptation in urban areas: perspectives on indicators, knowledge gaps, barriers, and opportunities for action. <i>Ecology and Society</i> , 2016, 21, .	1.0	753
84	Key insights for the future of urban ecosystem services research. <i>Ecology and Society</i> , 2016, 21, .	1.0	219
85	Assessing the Recreation Value of Urban Woodland Using the Ecosystem Service Approach in Two Forests in the Munich Metropolitan Region. <i>Sustainability</i> , 2016, 8, 1156.	1.6	22
86	Spectrum analysis of national greenhouse gas emission: a case study of Germany. <i>Energy, Ecology and Environment</i> , 2016, 1, 267-282.	1.9	1
87	Peri-urban agriculture in Jabodetabek Metropolitan Area and its relationship with the urban socioeconomic system. <i>Land Use Policy</i> , 2016, 55, 265-274.	2.5	64
88	Using green infrastructure for urban climate-proofing: An evaluation of heat mitigation measures at the micro-scale. <i>Urban Forestry and Urban Greening</i> , 2016, 20, 305-316.	2.3	241
89	Making headway in climate policy mainstreaming and ecosystem-based adaptation: two pioneering countries, different pathways, one goal. <i>Climatic Change</i> , 2016, 137, 71-87.	1.7	84
90	Stadtökosysteme. , 2016, , .		14

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91	Greenhouse gas emission accounting for EU member states from 1991 to 2012. <i>Applied Energy</i> , 2016, 184, 759-768.	5.1	23
92	A multi-dimensional assessment of urban vulnerability to climate change in Sub-Saharan Africa. <i>Natural Hazards</i> , 2016, 82, 149-172.	1.6	54
93	Worum geht es bei Stadtökologie und ihrer Anwendungen in der Stadtentwicklung?. , 2016, , 245-254.		1
94	Urbanisierung und ihre Herausforderungen für die ökologische Stadtentwicklung. , 2016, , 1-30.		2
95	Wie verwundbar sind Stadtökosysteme und wie kann mit ihnen urbane Resilienz entwickelt werden?. , 2016, , 165-205.		1
96	Embodied Services of Greenhouse Gas Emissions: A Case Study of the EU Member Countries. <i>Journal of Environmental Accounting and Management</i> , 2016, 4, 269-286.	0.3	0
97	Structure and ecosystem services of small-leaved lime (<i>Tilia cordata</i> Mill.) and black locust (<i>Robinia</i>) Tj ETQq1 1 0.784314 rgBT /Overlo	2.3	70
98	The dynamics of peri-urban agriculture during rapid urbanization of Jabodetabek Metropolitan Area. <i>Land Use Policy</i> , 2015, 48, 13-24.	2.5	147
99	Crown size and growing space requirement of common tree species in urban centres, parks, and forests. <i>Urban Forestry and Urban Greening</i> , 2015, 14, 466-479.	2.3	187
100	The uptake of the ecosystem services concept in planning discourses of European and American cities. <i>Ecosystem Services</i> , 2015, 12, 228-246.	2.3	221
101	The Way Forward: Climate Resilient Cities for Africa's Future. <i>Future City</i> , 2015, , 369-399.	0.2	4
102	USSDM "Urban Spatial Scenario Design Modelling. <i>Future City</i> , 2015, , 259-286.	0.2	1
103	SUSTAINABLE CONSERVATION PERSPECTIVES FOR EPIPHYTIC ORCHIDS IN THE CENTRAL HIMALAYAS, NEPAL. <i>Applied Ecology and Environmental Research</i> , 2015, 13, .	0.2	3
104	A Quantitative Review of Urban Ecosystem Service Assessments: Concepts, Models, and Implementation. <i>Ambio</i> , 2014, 43, 413-433.	2.8	758
105	From Multifunctionality to Multiple Ecosystem Services? A Conceptual Framework for Multifunctionality in Green Infrastructure Planning for Urban Areas. <i>Ambio</i> , 2014, 43, 516-529.	2.8	503
106	Urban morphological determinants of temperature regulating ecosystem services in two African cities. <i>Ecological Indicators</i> , 2014, 42, 43-57.	2.6	59
107	Tracing the introduction history of a potentially invasive ornamental shrub: variation in frost hardiness and climate change. <i>Nordic Journal of Botany</i> , 2012, 30, 739-746.	0.2	2
108	Selection Approach of Urban Trees for Inner-city Environments: Learning from Nature. <i>Arboriculture and Urban Forestry</i> , 2012, 38, 194-204.	0.2	21

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109	Land-Use and Surface-Cover as Urban Ecological Indicators. , 2011, , 19-30.		24
110	Multifunctional Green Infrastructure Planning to Promote Ecological Services in the City. , 2011, , 272-285.		77
111	Habitat Studies Identifying Potential Trees for Urban Paved Environments: A Case Study from Qinling Mt., China. Arboriculture and Urban Forestry, 2010, 36, 261-271.	0.2	7
112	Woodland Changes and their Impacts on the Landscape Structure in South Korea, Kwangju City Region. Landscape Research, 2009, 34, 257-277.	0.7	8
113	Towards an integrated understanding of green space in the European built environment. Urban Forestry and Urban Greening, 2009, 8, 65-75.	2.3	322
114	Characterising the urban environment of UK cities and towns: A template for landscape planning. Landscape and Urban Planning, 2008, 87, 210-222.	3.4	175
115	Adapting Cities for Climate Change: The Role of the Green Infrastructure. Built Environment, 2007, 33, 115-133.	0.4	1,289
116	Landscape character, biodiversity and land use planning: The case of Kwangju City Region, South Korea. Land Use Policy, 2007, 24, 264-274.	2.5	94
117	Modeling the environmental impacts of urban land use and land cover changeâ€”a study in Merseyside, UK. Landscape and Urban Planning, 2005, 71, 295-310.	3.4	325
118	The spatial impact of urban compaction: A fine-scale investigation based on Merseyside. Town Planning Review, 2005, 76, 143-166.	0.9	9
119	Benefits and Uses of Urban Forests and Trees. , 2005, , 81-114.		186
120	Urban Forest Resources in European Cities. , 2005, , 49-80.		16
121	Landscape metrics to assess the ecological conditions of city regions: Application to Kwangju City, South Korea. International Journal of Sustainable Development and World Ecology, 2005, 12, 227-244.	3.2	27
122	Promoting the Natural Greenstructure of Towns and Cities: English Nature's Accessible Natural Greenspace Standards Model. Built Environment, 2003, 29, 157-170.	0.4	51
123	Perspectives on Urban Greenspace in Europe. Built Environment, 2003, 29, 89-93.	0.4	29
124	Urban street tree plantings: identifying the key requirements. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2003, 156, 43-50.	0.4	54
125	Urban street tree plantings: identifying the key requirements. Proceedings of the Institution of Civil Engineers: Municipal Engineer, 2003, 156, 43-50.	0.4	8
126	Tree establishment practice in towns and cities â€” Results from a European survey. Urban Forestry and Urban Greening, 2002, 1, 83-96.	2.3	176

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127	Assessing the environmental performance of land cover types for urban planning. Landscape and Urban Planning, 2000, 52, 1-20.	3.4	377
128	Some examples of different landscape systems and their biodiversity potential. Landscape and Urban Planning, 1998, 41, 249-261.	3.4	17
129	Quantifying targets for nature conservation in future European landscapes. Landscape and Urban Planning, 1997, 37, 73-84.	3.4	7
130	The role of urban green space and trees in relation to climate change.. CAB Reviews: Perspectives in Agriculture, Veterinary Science, Nutrition and Natural Resources, 0, , 1-18.	0.6	14
131	Transformation of rural-urban cultural landscapes in Europe: Integrating approaches from ecological, socio-economic and planning perspectives. Landscape Online, 0, 20, 1-10.	0.0	20