

Joachim Maes

List of Publications by Year in descending order

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Version: 2024-02-01

112
papers

8,371
citations

57758

44
h-index

49909

87
g-index

118
all docs

118
docs citations

118
times ranked

8709
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban heat island mitigation by green infrastructure in European Functional Urban Areas. Sustainable Cities and Society, 2022, 77, 103564.	10.4	106
2	Establishing the SEEA Ecosystem Accounting as a global standard. Ecosystem Services, 2022, 54, 101413.	5.4	40
3	Land-use intensity mediates ecosystem service tradeoffs across regional social-ecological systems. Ecosystems and People, 2021, 17, 264-278.	3.2	21
4	Ecosystem service mapping needs to capture more effectively the biodiversity important for service supply. Ecosystem Services, 2021, 48, 101259.	5.4	12
5	Large variability in response to projected climate and land-use changes among European bumblebee species. Global Change Biology, 2021, 27, 4530-4545.	9.5	12
6	Urban Green Infrastructure: Opportunities and Challenges at the European Scale. Cities and Nature, 2021, , 17-28.	1.0	3
7	Lessons learned from development of natural capital accounts in the United States and European Union. Ecosystem Services, 2021, 52, 101359.	5.4	23
8	Selection criteria for ecosystem condition indicators. Ecological Indicators, 2021, 133, 108376.	6.3	18
9	Assessing urban ecosystem services to prioritise nature-based solutions in a high-density urban area. Nature-based Solutions, 2021, 1, 100007.	3.8	14
10	Accounting for changes in flood control delivered by ecosystems at the EU level. Ecosystem Services, 2020, 44, 101142.	5.4	24
11	Quantifying interregional flows of multiple ecosystem services – A case study for Germany. Global Environmental Change, 2020, 61, 102051.	7.8	54
12	How ecosystem services are changing: an accounting application at the EU level. Ecosystem Services, 2019, 40, 101044.	5.4	49
13	Analysis of trends in mapping and assessment of ecosystem condition in Europe. Ecosystems and People, 2019, 15, 156-172.	3.2	32
14	Guidance for assessing interregional ecosystem service flows. Ecological Indicators, 2019, 105, 92-106.	6.3	57
15	Measuring ecosystem multifunctionality across scales. Environmental Research Letters, 2019, 14, 124083.	5.2	38
16	Ecosystem services accounts: Valuing the actual flow of nature-based recreation from ecosystems to people. Ecological Modelling, 2019, 392, 196-211.	2.5	112
17	Beyond the economic boundaries to account for ecosystem services. Ecosystem Services, 2019, 35, 116-129.	5.4	43
18	Capacity as “virtual stock” in ecosystem services accounting. Ecological Indicators, 2019, 98, 158-163.	6.3	27

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19	Protecting nature is necessary but not sufficient for conserving ecosystem services: A comprehensive assessment along a gradient of land-use intensity in Spain. <i>Ecosystem Services</i> , 2019, 35, 43-51.	5.4	36
20	Interregional flows of ecosystem services: Concepts, typology and four cases. <i>Ecosystem Services</i> , 2018, 31, 231-241.	5.4	143
21	Handling a messy world: Lessons learned when trying to make the ecosystem services concept operational. <i>Ecosystem Services</i> , 2018, 29, 415-427.	5.4	79
22	Ecosystem services supply in protected mountains of Greece: setting the baseline for conservation management. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2018, 14, 45-59.	2.9	31
23	Spatial dimensions of recreational ecosystem service values: A review of meta-analyses and a combination of meta-analytic value-transfer and GIS. <i>Ecosystem Services</i> , 2018, 31, 395-409.	5.4	23
24	Spatial alternatives for Green Infrastructure planning across the EU: An ecosystem service perspective. <i>Landscape and Urban Planning</i> , 2018, 174, 41-54.	7.5	55
25	New EU-scale environmental scenarios until 2050 – Scenario process and initial scenario applications. <i>Ecosystem Services</i> , 2018, 29, 542-551.	5.4	16
26	Physical and monetary ecosystem service accounts for Europe: A case study for in-stream nitrogen retention. <i>Ecosystem Services</i> , 2017, 23, 18-29.	5.4	64
27	Modelling built-up land take in Europe to 2020: an assessment of the Resource Efficiency Roadmap measure on land. <i>Journal of Environmental Planning and Management</i> , 2017, 60, 1439-1463.	4.5	21
28	Monitoring recreation across European nature areas: A geo-database of visitor counts, a review of literature and a call for a visitor counting reporting standard. <i>Journal of Outdoor Recreation and Tourism</i> , 2017, 18, 44-55.	2.9	29
29	Unpacking ecosystem service bundles: Towards predictive mapping of synergies and trade-offs between ecosystem services. <i>Global Environmental Change</i> , 2017, 47, 37-50.	7.8	229
30	Intermediate ecosystem services: An empty concept?. <i>Ecosystem Services</i> , 2017, 27, 124-126.	5.4	33
31	Nature-Based Solutions for Europe's Sustainable Development. <i>Conservation Letters</i> , 2017, 10, 121-124.	5.7	375
32	Mapping recreational visits and values of European National Parks by combining statistical modelling and unit value transfer. <i>Journal for Nature Conservation</i> , 2016, 31, 71-84.	1.8	90
33	National Ecosystem Assessments in Europe: A Review. <i>BioScience</i> , 2016, 66, 813-828.	4.9	94
34	A habitat quality indicator for common birds in Europe based on species distribution models. <i>Ecological Indicators</i> , 2016, 69, 488-499.	6.3	31
35	An indicator framework for assessing ecosystem services in support of the EU Biodiversity Strategy to 2020. <i>Ecosystem Services</i> , 2016, 17, 14-23.	5.4	418
36	An assessment of soil erosion prevention by vegetation in Mediterranean Europe: Current trends of ecosystem service provision. <i>Ecological Indicators</i> , 2016, 60, 213-222.	6.3	92

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37	Mapping water provisioning services to support the ecosystemâ€“waterâ€“foodâ€“energy nexus in the Danube river basin. <i>Ecosystem Services</i> , 2016, 17, 278-292.	5.4	174
38	Policy impacts on regulating ecosystem services: looking at the implications of 60Âyears of landscape change on soil erosion prevention in a Mediterranean silvo-pastoral system. <i>Landscape Ecology</i> , 2016, 31, 271-290.	4.2	47
39	Chapter 24 Land Use and Scenario Modeling for Integrated Sustainability Assessment. , 2016, , 237-262.		4
40	Rethinking the Area of Protection â€œNatural Resourcesâ€•in Life Cycle Assessment. <i>Environmental Science & Technology</i> , 2015, 49, 5310-5317.	10.0	116
41	More green infrastructure is required to maintain ecosystem services under current trends in land-use change in Europe. <i>Landscape Ecology</i> , 2015, 30, 517-534.	4.2	163
42	Reusability of model components for environmental simulation â€“ Case studies for integrated coastal zone management. <i>Environmental Modelling and Software</i> , 2015, 68, 42-54.	4.5	13
43	Mapping green infrastructure based on ecosystem services and ecological networks: A Pan-European case study. <i>Environmental Science and Policy</i> , 2015, 54, 268-280.	4.9	216
44	A visualization and data-sharing tool for ecosystem service maps: Lessons learnt, challenges and the way forward. <i>Ecosystem Services</i> , 2015, 13, 134-140.	5.4	35
45	Semi-natural vegetation in agricultural land: European map and links to ecosystem service supply. <i>Agronomy for Sustainable Development</i> , 2015, 35, 273-283.	5.3	44
46	An ecological-economic approach to the valuation of ecosystem services to support biodiversity policy. A case study for nitrogen retention by Mediterranean rivers and lakes. <i>Ecological Indicators</i> , 2015, 48, 292-302.	6.3	42
47	Interactions among ecosystem services across Europe: Bagplots and cumulative correlation coefficients reveal synergies, trade-offs, and regional patterns. <i>Ecological Indicators</i> , 2015, 49, 46-52.	6.3	132
48	Ecosystem Services: The Opportunities of Rewilding in Europe. , 2015, , 47-64.		15
49	Transdisciplinary Enrichment of a Linear Research Process: Experiences Gathered from a Research Project Supporting the European Biodiversity Strategy to 2020. <i>Interdisciplinary Science Reviews</i> , 2014, 39, 376-391.	1.4	9
50	Uncertainties in Ecosystem Service Maps: A Comparison on the European Scale. <i>PLoS ONE</i> , 2014, 9, e109643.	2.5	149
51	Land-cover change dynamics and insights into ecosystem services in European stream riparian zones. <i>Ecohydrology and Hydrobiology</i> , 2014, 14, 107-120.	2.3	75
52	Cross-scale analysis of ecosystem services identified and assessed at local and European level. <i>Ecological Indicators</i> , 2014, 38, 20-30.	6.3	50
53	Mapping cultural ecosystem services: A framework to assess the potential for outdoor recreation across the EU. <i>Ecological Indicators</i> , 2014, 45, 371-385.	6.3	369
54	Shades of Greening: Reviewing the Impact of the new EU Agricultural Policy on Ecosystem Services. <i>Change and Adaptation in Socio-Ecological Systems</i> , 2014, 1, .	1.5	22

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55	Estimation of water requirements by livestock in Europe. <i>Ecosystem Services</i> , 2013, 4, 139-145.	5.4	22
56	“Maps have an air of authority” Potential benefits and challenges of ecosystem service maps at different levels of decision making. <i>Ecosystem Services</i> , 2013, 4, 25-32.	5.4	153
57	Assessment of coastal protection as an ecosystem service in Europe. <i>Ecological Indicators</i> , 2013, 30, 205-217.	6.3	107
58	Mainstreaming ecosystem services into EU policy. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 128-134.	6.3	85
59	Mapping ecosystem services' values: Current practice and future prospects. <i>Ecosystem Services</i> , 2013, 4, 33-46.	5.4	218
60	A blueprint for mapping and modelling ecosystem services. <i>Ecosystem Services</i> , 2013, 4, 4-14.	5.4	565
61	Linking Land Cover Data and Crop Yields for Mapping and Assessment of Pollination Services in Europe. <i>Land</i> , 2013, 2, 472-492.	2.9	97
62	The Promise of the Ecosystem Services Concept for Planning and Decision-Making. <i>Gaia</i> , 2013, 22, 232-236.	0.7	60
63	Preserving Regulating and Cultural Ecosystem Services: Transformation, Degradation and Conservation Status. , 2013, , 295-312.		0
64	Mapping ecosystem services for policy support and decision making in the European Union. <i>Ecosystem Services</i> , 2012, 1, 31-39.	5.4	732
65	Mapping water quality-related ecosystem services: concepts and applications for nitrogen retention and pesticide risk reduction. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2012, 8, 35-49.	2.9	21
66	Synergies and trade-offs between ecosystem service supply, biodiversity, and habitat conservation status in Europe. <i>Biological Conservation</i> , 2012, 155, 1-12.	4.1	477
67	Nitrogen Source Apportionment for the Catchment, Estuary, and Adjacent Coastal Waters of the River Scheldt. <i>Ecology and Society</i> , 2012, 17, .	2.3	18
68	Spatially explicit monetary valuation of water purification services in the Mediterranean bio-geographical region. <i>International Journal of Biodiversity Science, Ecosystem Services & Management</i> , 2012, 8, 26-34.	2.9	29
69	Securing water as a resource for society: an ecosystem services perspective. <i>Ecohydrology and Hydrobiology</i> , 2011, 11, 247-259.	2.3	30
70	A clear delimitation of coastal waters facing the EU environmental legislation: from the Water Framework Directive to the Marine Strategy Framework Directive. <i>Environmental Science and Policy</i> , 2011, 14, 432-444.	4.9	14
71	Air-quality modelling in the Lake Baikal region. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 665-674.	2.7	8
72	A zone-specific fish-based biotic index as a management tool for the Zeeschelde estuary (Belgium). <i>Marine Pollution Bulletin</i> , 2010, 60, 1099-1112.	5.0	45

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73	Spatial surrogates for the disaggregation of CORINAIR emission inventories. Atmospheric Environment, 2009, 43, 1246-1254.	4.1	57
74	Poor water quality constrains the distribution and movements of twaite shad <i>Alosa fallax fallax</i> (Lacépède, 1803) in the watershed of river Scheldt. Hydrobiologia, 2008, 602, 129-143.	2.0	26
75	Potential re-establishment of diadromous fish species in the River Scheldt (Belgium). Hydrobiologia, 2008, 602, 155-159.	2.0	11
76	Estuarine recruitment of a marine goby reconstructed with an isotopic clock. Oecologia, 2008, 157, 41-52.	2.0	30
77	Spatial variations and temporal trends between 1994 and 2005 in polychlorinated biphenyls, organochlorine pesticides and heavy metals in European eel (<i>Anguilla anguilla</i> L.) in Flanders, Belgium. Environmental Pollution, 2008, 153, 223-237.	7.5	100
78	Modelling the migration opportunities of diadromous fish species along a gradient of dissolved oxygen concentration in a European tidal watershed. Estuarine, Coastal and Shelf Science, 2007, 75, 151-162.	2.1	50
79	A fish-based assessment tool for the ecological quality of the brackish Schelde estuary in Flanders (Belgium). Hydrobiologia, 2007, 575, 141-159.	2.0	91
80	Changes in $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ in different tissues of juvenile sand goby <i>Pomatoschistus minutus</i> : a laboratory diet-switch experiment. Marine Ecology - Progress Series, 2007, 341, 205-215.	1.9	108
81	A bioenergetics model for juvenile flounder <i>Platichthys flesus</i> . Journal of Applied Ichthyology, 2006, 22, 79-84.	0.7	15
82	Migration dynamics of clupeoids in the Schelde estuary: A stable isotope approach. Estuarine, Coastal and Shelf Science, 2006, 66, 612-623.	2.1	24
83	State-dependent energy allocation in the pelagic Antarctic silverfish <i>Pleuragramma antarcticum</i> : trade-off between winter reserves and buoyancy. Marine Ecology - Progress Series, 2006, 326, 269-282.	1.9	16
84	The composition and community structure of the ichthyofauna of the upper Scheldt estuary: synthesis of a 10-year data collection (1991-2001). Journal of Applied Ichthyology, 2005, 21, 86-93.	0.7	55
85	A spatially explicit, individual-based model to assess the role of estuarine nurseries in the early life history of North Sea herring, <i>Clupea harengus</i> . Fisheries Oceanography, 2005, 14, 17-31.	1.7	20
86	The predation impact of juvenile herring <i>Clupea harengus</i> and sprat <i>Sprattus sprattus</i> on estuarine zooplankton. Hydrobiologia, 2005, 540, 225-235.	2.0	32
87	Field evaluation of a sound system to reduce estuarine fish intake rates at a power plant cooling water inlet. Journal of Fish Biology, 2004, 64, 938-946.	1.6	74
88	<i>Micropogonias undulatus</i> (L.), another exotic arrival in European waters. Journal of Fish Biology, 2004, 64, 1143-1146.	1.6	4
89	Statistical modeling of seasonal and environmental influences on the population dynamics of an estuarine fish community. Marine Biology, 2004, 145, 1033-1042.	1.5	58
90	The diet and consumption of dominant fish species in the upper Scheldt estuary, Belgium. Journal of the Marine Biological Association of the United Kingdom, 2003, 83, 603-612.	0.8	22

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91	The impact of water hyacinth (<i>Eichhornia crassipes</i>) in a eutrophic subtropical impoundment (Lake Tj ETQq1 1 0.784314 rgBT /Overlock 1.1 62	1.1	62
92	The impact of water hyacinth (<i>Eichhornia crassipes</i>) in a eutrophic subtropical impoundment (Lake Tj ETQq0 0 0 rgBT /Overlock 1.1 87	1.1	87
93	Size structure and feeding dynamics in estuarine clupeoid fish schools: field evidence for the school trap hypothesis. Aquatic Living Resources, 2002, 15, 211-216.	1.2	19
94	Biomass transport to and from an upper estuarine area by migration of juvenile Atlantic herring <i>Clupea harengus</i> . Canadian Journal of Fisheries and Aquatic Sciences, 2000, 57, 1404-1409.	1.4	6
95	Diel changes in the vertical distribution of juvenile fish in the Zeeschelde Estuary. Journal of Fish Biology, 1999, 54, 1329-1333.	1.6	3
96	Seasonal Patterns in the Fish and Crustacean Community of a Turbid Temperate Estuary (Zeeschelde) Tj ETQq0 0 0 rgBT /Overlock 2.1 128	2.1	128
97	Fish communities along an oxygen-poor salinity gradient (Zeeschelde Estuary, Belgium). Journal of Fish Biology, 1998, 52, 534-546.	1.6	63
98	Fish communities along an oxygen-poor salinity gradient (Zeeschelde Estuary, Belgium). Journal of Fish Biology, 1998, 52, 534-546.	1.6	5
99	A common typology for ecosystem characteristics and ecosystem condition variables. One Ecosystem, 0, 6, .	0.0	21
100	Adopting a cross-scale approach for the deployment of a green infrastructure. One Ecosystem, 0, 6, .	0.0	10
101	Arguments for biodiversity conservation in Natura 2000 sites: An analysis based on LIFE projects. Nature Conservation, 0, 12, 1-26.	0.0	13
102	One Ecosystem: Innovation in ecology and sustainability research publishing. One Ecosystem, 0, 1, e9255.	0.0	1
103	Global change impacts on ecosystem services: a spatially explicit assessment for Europe. One Ecosystem, 0, 1, e9990.	0.0	16
104	An operational framework for integrated Mapping and Assessment of Ecosystems and their Services (MAES). One Ecosystem, 0, 3, e22831.	0.0	67
105	Ecosystem services are inclusive and deliver multiple values. A comment on the concept of nature's contributions to people. One Ecosystem, 0, 3, e24720.	0.0	40
106	Which questions drive the Mapping and Assessment of Ecosystems and their Services under Action 5 of the EU Biodiversity Strategy?. One Ecosystem, 0, 3, e25309.	0.0	13
107	Distribution of bumblebees across Europe. One Ecosystem, 0, 3, .	0.0	15
108	Mapping and assessing ecosystem services in the EU - Lessons learned from the ESMERALDA approach of integration. One Ecosystem, 0, 3, .	0.0	33

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109	A review of ecosystem condition accounts: lessons learned and options for further development. One Ecosystem, 0, 5, .	0.0	21
110	A conceptual framework and practical structure for implementingÂecosystem condition accounts. One Ecosystem, 0, 5, .	0.0	23
111	Green balance in urban areas as an indicator for policy support: a multi-level application. One Ecosystem, 0, 7, .	0.0	3
112	Ecosystem condition underpins the generation of ecosystem services: an accounting perspective. One Ecosystem, 0, 7, .	0.0	7