

Joachim Maes

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6353927/publications.pdf>

Version: 2024-02-01

112
papers

8,371
citations

57719

44
h-index

49868

87
g-index

118
all docs

118
docs citations

118
times ranked

8709
citing authors

#	ARTICLE	IF	CITATIONS
1	Mapping ecosystem services for policy support and decision making in the European Union. <i>Ecosystem Services</i> , 2012, 1, 31-39.	2.3	732
2	A blueprint for mapping and modelling ecosystem services. <i>Ecosystem Services</i> , 2013, 4, 4-14.	2.3	565
3	Synergies and trade-offs between ecosystem service supply, biodiversity, and habitat conservation status in Europe. <i>Biological Conservation</i> , 2012, 155, 1-12.	1.9	477
4	An indicator framework for assessing ecosystem services in support of the EU Biodiversity Strategy to 2020. <i>Ecosystem Services</i> , 2016, 17, 14-23.	2.3	418
5	Nature-Based Solutions for Europe's Sustainable Development. <i>Conservation Letters</i> , 2017, 10, 121-124.	2.8	375
6	Mapping cultural ecosystem services: A framework to assess the potential for outdoor recreation across the EU. <i>Ecological Indicators</i> , 2014, 45, 371-385.	2.6	369
7	Unpacking ecosystem service bundles: Towards predictive mapping of synergies and trade-offs between ecosystem services. <i>Global Environmental Change</i> , 2017, 47, 37-50.	3.6	229
8	Mapping ecosystem services' values: Current practice and future prospects. <i>Ecosystem Services</i> , 2013, 4, 33-46.	2.3	218
9	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.	2.4	216
10	Mapping water provisioning services to support the ecosystem-water-food-energy nexus in the Danube river basin. <i>Ecosystem Services</i> , 2016, 17, 278-292.	2.3	174
11	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.	1.9	163
12	"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.	2.3	153
13	Uncertainties in Ecosystem Service Maps: A Comparison on the European Scale. <i>PLoS ONE</i> , 2014, 9, e109643.	1.1	149
14	Interregional flows of ecosystem services: Concepts, typology and four cases. <i>Ecosystem Services</i> , 2018, 31, 231-241.	2.3	143
15	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.	2.6	132
16	Seasonal Patterns in the Fish and Crustacean Community of a Turbid Temperate Estuary (Zeeschelde) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	0.9	128
17	Rethinking the Area of Protection "Natural Resources" in Life Cycle Assessment. <i>Environmental Science & Technology</i> , 2015, 49, 5310-5317.	4.6	116
18	Ecosystem services accounts: Valuing the actual flow of nature-based recreation from ecosystems to people. <i>Ecological Modelling</i> , 2019, 392, 196-211.	1.2	112

#	ARTICLE	IF	CITATIONS
19	Changes in $\delta^{13}C$ and $\delta^{15}N$ in different tissues of juvenile sand goby <i>Pomatoschistus minutus</i> : a laboratory diet-switch experiment. <i>Marine Ecology - Progress Series</i> , 2007, 341, 205-215.	0.9	108
20	Assessment of coastal protection as an ecosystem service in Europe. <i>Ecological Indicators</i> , 2013, 30, 205-217.	2.6	107
21	Urban heat island mitigation by green infrastructure in European Functional Urban Areas. <i>Sustainable Cities and Society</i> , 2022, 77, 103564.	5.1	106
22	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. <i>Environmental Pollution</i> , 2008, 153, 223-237.	3.7	100
23	Linking Land Cover Data and Crop Yields for Mapping and Assessment of Pollination Services in Europe. <i>Land</i> , 2013, 2, 472-492.	1.2	97
24	National Ecosystem Assessments in Europe: A Review. <i>BioScience</i> , 2016, 66, 813-828.	2.2	94
25	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.	2.6	92
26	A fish-based assessment tool for the ecological quality of the brackish Schelde estuary in Flanders (Belgium). <i>Hydrobiologia</i> , 2007, 575, 141-159.	1.0	91
27	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.	0.8	90
28	The impact of water hyacinth (<i>Eichhornia crassipes</i>) in a eutrophic subtropical impoundment (Lake Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	87
29	Mainstreaming ecosystem services into EU policy. <i>Current Opinion in Environmental Sustainability</i> , 2013, 5, 128-134.	3.1	85
30	Handling a messy world: Lessons learned when trying to make the ecosystem services concept operational. <i>Ecosystem Services</i> , 2018, 29, 415-427.	2.3	79
31	Land-cover change dynamics and insights into ecosystem services in European stream riparian zones. <i>Ecohydrology and Hydrobiology</i> , 2014, 14, 107-120.	1.0	75
32	Field evaluation of a sound system to reduce estuarine fish intake rates at a power plant cooling water inlet. <i>Journal of Fish Biology</i> , 2004, 64, 938-946.	0.7	74
33	An operational framework for integrated Mapping and Assessment of Ecosystems and their Services (MAES). <i>One Ecosystem</i> , 0, 3, e22831.	0.0	67
34	Physical and monetary ecosystem service accounts for Europe: A case study for in-stream nitrogen retention. <i>Ecosystem Services</i> , 2017, 23, 18-29.	2.3	64
35	Fish communities along an oxygen-poor salinity gradient (Zeeschelde Estuary, Belgium). <i>Journal of Fish Biology</i> , 1998, 52, 534-546.	0.7	63
36	The impact of water hyacinth (<i>Eichhornia crassipes</i>) in a eutrophic subtropical impoundment (Lake Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.1	62

#	ARTICLE	IF	CITATIONS
37	The Promise of the Ecosystem Services Concept for Planning and Decision-Making. <i>Gaia</i> , 2013, 22, 232-236.	0.3	60
38	Statistical modeling of seasonal and environmental influences on the population dynamics of an estuarine fish community. <i>Marine Biology</i> , 2004, 145, 1033-1042.	0.7	58
39	Spatial surrogates for the disaggregation of CORINAIR emission inventories. <i>Atmospheric Environment</i> , 2009, 43, 1246-1254.	1.9	57
40	Guidance for assessing interregional ecosystem service flows. <i>Ecological Indicators</i> , 2019, 105, 92-106.	2.6	57
41	The composition and community structure of the ichthyofauna of the upper Scheldt estuary: synthesis of a 10-year data collection (1991-2001). <i>Journal of Applied Ichthyology</i> , 2005, 21, 86-93.	0.3	55
42	Spatial alternatives for Green Infrastructure planning across the EU: An ecosystem service perspective. <i>Landscape and Urban Planning</i> , 2018, 174, 41-54.	3.4	55
43	Quantifying interregional flows of multiple ecosystem services – A case study for Germany. <i>Global Environmental Change</i> , 2020, 61, 102051.	3.6	54
44	Modelling the migration opportunities of diadromous fish species along a gradient of dissolved oxygen concentration in a European tidal watershed. <i>Estuarine, Coastal and Shelf Science</i> , 2007, 75, 151-162.	0.9	50
45	Cross-scale analysis of ecosystem services identified and assessed at local and European level. <i>Ecological Indicators</i> , 2014, 38, 20-30.	2.6	50
46	How ecosystem services are changing: an accounting application at the EU level. <i>Ecosystem Services</i> , 2019, 40, 101044.	2.3	49
47	Policy impacts on regulating ecosystem services: looking at the implications of 60 years of landscape change on soil erosion prevention in a Mediterranean silvo-pastoral system. <i>Landscape Ecology</i> , 2016, 31, 271-290.	1.9	47
48	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.	2.3	45
49	Semi-natural vegetation in agricultural land: European map and links to ecosystem service supply. <i>Agronomy for Sustainable Development</i> , 2015, 35, 273-283.	2.2	44
50	Beyond the economic boundaries to account for ecosystem services. <i>Ecosystem Services</i> , 2019, 35, 116-129.	2.3	43
51	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.	2.6	42
52	Ecosystem services are inclusive and deliver multiple values. A comment on the concept of nature's contributions to people. <i>One Ecosystem</i> , 0, 3, e24720.	0.0	40
53	Establishing the SEEA Ecosystem Accounting as a global standard. <i>Ecosystem Services</i> , 2022, 54, 101413.	2.3	40
54	Measuring ecosystem multifunctionality across scales. <i>Environmental Research Letters</i> , 2019, 14, 124083.	2.2	38

#	ARTICLE	IF	CITATIONS
55	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.	2.3	36
56	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.	2.3	35
57	Intermediate ecosystem services: An empty concept?. <i>Ecosystem Services</i> , 2017, 27, 124-126.	2.3	33
58	Mapping and assessing ecosystem services in the EU - Lessons learned from the ESMERALDA approach of integration. <i>One Ecosystem</i> , 0, 3, .	0.0	33
59	The predation impact of juvenile herring <i>Clupea harengus</i> and sprat <i>Sprattus sprattus</i> on estuarine zooplankton. <i>Hydrobiologia</i> , 2005, 540, 225-235.	1.0	32
60	Analysis of trends in mapping and assessment of ecosystem condition in Europe. <i>Ecosystems and People</i> , 2019, 15, 156-172.	1.3	32
61	A habitat quality indicator for common birds in Europe based on species distribution models. <i>Ecological Indicators</i> , 2016, 69, 488-499.	2.6	31
62	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
63	Estuarine recruitment of a marine goby reconstructed with an isotopic clock. <i>Oecologia</i> , 2008, 157, 41-52.	0.9	30
64	Securing water as a resource for society: an ecosystem services perspective. <i>Ecohydrology and Hydrobiology</i> , 2011, 11, 247-259.	1.0	30
65	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
66	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.	1.3	29
67	Capacity as "virtual stock" in ecosystem services accounting. <i>Ecological Indicators</i> , 2019, 98, 158-163.	2.6	27
68	Poor water quality constrains the distribution and movements of twaite shad <i>Alosa fallax fallax</i> (Lac�p�de, 1803) in the watershed of river Scheldt. <i>Hydrobiologia</i> , 2008, 602, 129-143.	1.0	26
69	Migration dynamics of clupeoids in the Schelde estuary: A stable isotope approach. <i>Estuarine, Coastal and Shelf Science</i> , 2006, 66, 612-623.	0.9	24
70	Accounting for changes in flood control delivered by ecosystems at the EU level. <i>Ecosystem Services</i> , 2020, 44, 101142.	2.3	24
71	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.	2.3	23
72	A conceptual framework and practical structure for implementing ecosystem condition accounts. <i>One Ecosystem</i> , 0, 5, .	0.0	23

#	ARTICLE	IF	CITATIONS
73	Lessons learned from development of natural capital accounts in the United States and European Union. <i>Ecosystem Services</i> , 2021, 52, 101359.	2.3	23
74	The diet and consumption of dominant fish species in the upper Scheldt estuary, Belgium. <i>Journal of the Marine Biological Association of the United Kingdom</i> , 2003, 83, 603-612.	0.4	22
75	Estimation of water requirements by livestock in Europe. <i>Ecosystem Services</i> , 2013, 4, 139-145.	2.3	22
76	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
77	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
78	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.	2.4	21
79	A common typology for ecosystem characteristics and ecosystem condition variables. <i>One Ecosystem</i> , 0, 6, .	0.0	21
80	Land-use intensity mediates ecosystem service tradeoffs across regional social-ecological systems. <i>Ecosystems and People</i> , 2021, 17, 264-278.	1.3	21
81	A review of ecosystem condition accounts: lessons learned and options for further development. <i>One Ecosystem</i> , 0, 5, .	0.0	21
82	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> . <i>Fisheries Oceanography</i> , 2005, 14, 17-31.	0.9	20
83	Size structure and feeding dynamics in estuarine clupeoid fish schools: field evidence for the school trap hypothesis. <i>Aquatic Living Resources</i> , 2002, 15, 211-216.	0.5	19
84	Nitrogen Source Apportionment for the Catchment, Estuary, and Adjacent Coastal Waters of the River Scheldt. <i>Ecology and Society</i> , 2012, 17, .	1.0	18
85	Selection criteria for ecosystem condition indicators. <i>Ecological Indicators</i> , 2021, 133, 108376.	2.6	18
86	New EU-scale environmental scenarios until 2050 – Scenario process and initial scenario applications. <i>Ecosystem Services</i> , 2018, 29, 542-551.	2.3	16
87	State-dependent energy allocation in the pelagic Antarctic silverfish <i>Pleuragramma antarcticum</i> : trade-off between winter reserves and buoyancy. <i>Marine Ecology - Progress Series</i> , 2006, 326, 269-282.	0.9	16
88	Global change impacts on ecosystem services: a spatially explicit assessment for Europe. <i>One Ecosystem</i> , 0, 1, e9990.	0.0	16
89	A bioenergetics model for juvenile flounder <i>Platichthys flesus</i> . <i>Journal of Applied Ichthyology</i> , 2006, 22, 79-84.	0.3	15
90	Ecosystem Services: The Opportunities of Rewilding in Europe. , 2015, , 47-64.		15

#	ARTICLE	IF	CITATIONS
91	Distribution of bumblebees across Europe. <i>One Ecosystem</i> , 0, 3, .	0.0	15
92	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.	2.4	14
93	Assessing urban ecosystem services to prioritise nature-based solutions in a high-density urban area. <i>Nature-based Solutions</i> , 2021, 1, 100007.	1.6	14
94	Reusability of model components for environmental simulation “ Case studies for integrated coastal zone management. <i>Environmental Modelling and Software</i> , 2015, 68, 42-54.	1.9	13
95	Arguments for biodiversity conservation in Natura 2000 sites: An analysis based on LIFE projects. <i>Nature Conservation</i> , 0, 12, 1-26.	0.0	13
96	Which questions drive the Mapping and Assessment of Ecosystems and their Services under Action 5 of the EU Biodiversity Strategy?. <i>One Ecosystem</i> , 0, 3, e25309.	0.0	13
97	Ecosystem service mapping needs to capture more effectively the biodiversity important for service supply. <i>Ecosystem Services</i> , 2021, 48, 101259.	2.3	12
98	Large variability in response to projected climate and land-use changes among European bumblebee species. <i>Global Change Biology</i> , 2021, 27, 4530-4545.	4.2	12
99	Potential re-establishment of diadromous fish species in the River Scheldt (Belgium). <i>Hydrobiologia</i> , 2008, 602, 155-159.	1.0	11
100	Adopting a cross-scale approach for the deployment of a green infrastructure. <i>One Ecosystem</i> , 0, 6, .	0.0	10
101	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.	1.0	9
102	Air-quality modelling in the Lake Baikal region. <i>Environmental Monitoring and Assessment</i> , 2010, 165, 665-674.	1.3	8
103	Ecosystem condition underpins the generation of ecosystem services: an accounting perspective. <i>One Ecosystem</i> , 0, 7, .	0.0	7
104	Biomass transport to and from an upper estuarine area by migration of juvenile Atlantic herring <i>Clupea harengus</i> . <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2000, 57, 1404-1409.	0.7	6
105	Fish communities along an oxygen-poor salinity gradient (Zeeschelde Estuary, Belgium). <i>Journal of Fish Biology</i> , 1998, 52, 534-546.	0.7	5
106	<i>Micropogonias undulatus</i> (L.), another exotic arrival in European waters. <i>Journal of Fish Biology</i> , 2004, 64, 1143-1146.	0.7	4
107	Chapter 24 Land Use and Scenario Modeling for Integrated Sustainability Assessment. , 2016, , 237-262.		4
108	Diel changes in the vertical distribution of juvenile fish in the Zeeschelde Estuary. <i>Journal of Fish Biology</i> , 1999, 54, 1329-1333.	0.7	3

#	ARTICLE	IF	CITATIONS
109	Urban Green Infrastructure: Opportunities and Challenges at the European Scale. <i>Cities and Nature</i> , 2021, , 17-28.	0.6	3
110	Green balance in urban areas as an indicator for policy support: a multi-level application. <i>One Ecosystem</i> , 0, 7, .	0.0	3
111	One Ecosystem: Innovation in ecology and sustainability research publishing. <i>One Ecosystem</i> , 0, 1, e9255.	0.0	1
112	Preserving Regulating and Cultural Ecosystem Services: Transformation, Degradation and Conservation Status. , 2013, , 295-312.		0