

Carlo Giupponi

List of Publications by Year in descending order

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Version: 2024-02-01

98
papers

3,524
citations

147566

31
h-index

161609

54
g-index

106
all docs

106
docs citations

106
times ranked

4201
citing authors

#	ARTICLE	IF	CITATIONS
1	Towards the development of a decision support system for water resource management. <i>Environmental Modelling and Software</i> , 2005, 20, 203-214.	1.9	248
2	Decision Support Systems for implementing the European Water Framework Directive: The MULINO approach. <i>Environmental Modelling and Software</i> , 2007, 22, 248-258.	1.9	157
3	Measuring global water security towards sustainable development goals. <i>Environmental Research Letters</i> , 2016, 11, 124015.	2.2	153
4	Network Analysis, Creative System Modelling and Decision Support: The NetSyMoD Approach. <i>SSRN Electronic Journal</i> , 0, , .	0.4	109
5	Socio-economic scenario development for the assessment of climate change impacts on agricultural land use: a pairwise comparison approach. <i>Environmental Science and Policy</i> , 2006, 9, 101-115.	2.4	103
6	An integrated approach of flood risk assessment in the eastern part of Dhaka City. <i>Natural Hazards</i> , 2015, 79, 1499-1530.	1.6	101
7	Integrated spatial assessment of the water, energy and food dimensions of the Sustainable Development Goals. <i>Regional Environmental Change</i> , 2017, 17, 1881-1893.	1.4	98
8	MULINO-DSS: a computer tool for sustainable use of water resources at the catchment scale. <i>Mathematics and Computers in Simulation</i> , 2004, 64, 13-24.	2.4	96
9	Climate Change Adaptation and Vulnerability Assessment of Water Resources Systems in Developing Countries: A Generalized Framework and a Feasibility Study in Bangladesh. <i>Water (Switzerland)</i> , 2012, 4, 345-366.	1.2	92
10	Co-Authorship and Bibliographic Coupling Network Effects on Citations. <i>PLoS ONE</i> , 2014, 9, e99502.	1.1	89
11	A decision support tool for simulating the effects of alternative policies affecting water resources: an application at the European scale. <i>Journal of Hydrology</i> , 2005, 304, 462-476.	2.3	86
12	Climate and land use changes, biodiversity and agri-environmental measures in the Belluno province, Italy. <i>Environmental Science and Policy</i> , 2006, 9, 163-173.	2.4	84
13	A dynamic assessment of water scarcity risk in the Lower Brahmaputra River Basin: An integrated approach. <i>Ecological Indicators</i> , 2015, 48, 120-131.	2.6	84
14	Impact of the Farakka Dam on Thresholds of the Hydrologic Flow Regime in the Lower Ganges River Basin (Bangladesh). <i>Water (Switzerland)</i> , 2014, 6, 2501-2518.	1.2	83
15	Transition towards a new global change science: Requirements for methodologies, methods, data and knowledge. <i>Environmental Science and Policy</i> , 2013, 28, 36-47.	2.4	68
16	Sustainable tourism planning and climate change adaptation in the Alps: a case study of winter tourism in mountain communities in the Dolomites. <i>Journal of Sustainable Tourism</i> , 2016, 24, 637-652.	5.7	64
17	The water-€"energy-€"food (WEF) security nexus: the policy perspective of Bangladesh. <i>Water International</i> , 2015, 40, 895-910.	0.4	63
18	A spatial agent-based model for assessing strategies of adaptation to climate and tourism demand changes in an alpine tourism destination. <i>Environmental Modelling and Software</i> , 2013, 45, 29-51.	1.9	60

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19	Assessment of coastal risks to climate change related impacts at the regional scale: The case of the Mediterranean region. <i>International Journal of Disaster Risk Reduction</i> , 2017, 24, 284-296.	1.8	57
20	A multicriteria approach for mapping risks of agricultural pollution for water resources: The Venice Lagoon watershed case study. <i>Journal of Environmental Management</i> , 1999, 56, 259-269.	3.8	52
21	Thresholds of hydrologic flow regime of a river and investigation of climate change impact—the case of the Lower Brahmaputra river Basin. <i>Climatic Change</i> , 2013, 120, 463-475.	1.7	52
22	Decision Support Systems for Water Resources Management in Developing Countries: Learning from Experiences in Africa. <i>Water (Switzerland)</i> , 2013, 5, 798-818.	1.2	52
23	Ag-PIE: A GIS-based screening model for assessing agricultural pressures and impacts on water quality on a European scale. <i>Science of the Total Environment</i> , 2006, 359, 57-75.	3.9	51
24	Best practices for conceptual modelling in environmental planning and management. <i>Environmental Modelling and Software</i> , 2016, 80, 113-121.	1.9	51
25	Using agent-based modelling to simulate social-ecological systems across scales. <i>Geoinformatica</i> , 2019, 23, 269-298.	2.0	46
26	Integrated assessment of sea-level rise adaptation strategies using a Bayesian decision network approach. <i>Environmental Modelling and Software</i> , 2013, 44, 87-100.	1.9	44
27	Flood depth estimation by means of high-resolution SAR images and lidar data. <i>Natural Hazards and Earth System Sciences</i> , 2018, 18, 3063-3084.	1.5	44
28	Policies and tools for sustainable water management in the European Union. <i>Environmental Modelling and Software</i> , 2005, 20, 93-98.	1.9	41
29	Participatory assessment of adaptation strategies to flood risk in the Upper Brahmaputra and Danube river basins. <i>Environmental Science and Policy</i> , 2011, 14, 1163-1174.	2.4	40
30	Ten principles to integrate the water-energy-land nexus with climate services for co-producing local and regional integrated assessments. <i>Science of the Total Environment</i> , 2019, 693, 133662.	3.9	39
31	A dynamic assessment tool for exploring and communicating vulnerability to floods and climate change. <i>Environmental Modelling and Software</i> , 2013, 44, 136-147.	1.9	36
32	Critical Data Source; Tool or Even Infrastructure? Challenges of Geographic Information Systems and Remote Sensing for Disaster Risk Governance. <i>ISPRS International Journal of Geo-Information</i> , 2015, 4, 1848-1869.	1.4	35
33	Vulnerabilities—bibliometric analysis and literature review of evolving concepts. <i>Environmental Research Letters</i> , 2015, 10, 123002.	2.2	32
34	Online participation in climate change adaptation: A case study of agricultural adaptation measures in Northern Italy. <i>Journal of Environmental Management</i> , 2015, 157, 8-19.	3.8	32
35	Assessing agricultural systems vulnerability to climate change to inform adaptation planning: an application in Khorezm, Uzbekistan. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2016, 21, 1263-1287.	1.0	32
36	Cost-effectiveness of greenhouse gases mitigation measures in the European agro-forestry sector: a literature survey. <i>Environmental Science and Policy</i> , 2007, 10, 474-490.	2.4	30

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37	Moving beyond water centrality? Conceptualizing integrated water resources management for implementing sustainable development goals. <i>Sustainability Science</i> , 2020, 15, 671-681.	2.5	30
38	Social-ecological system approaches for water resources management. <i>International Journal of Sustainable Development and World Ecology</i> , 2021, 28, 109-124.	3.2	29
39	Agent-Based Modelling of Socio-Ecosystems. <i>International Journal of Agent Technologies and Systems</i> , 2010, 2, 17-38.	0.1	28
40	A spatial Bayesian network model to assess the benefits of early warning for urban flood risk to people. <i>Natural Hazards and Earth System Sciences</i> , 2016, 16, 1323-1337.	1.5	27
41	Sustainability of complex social-ecological systems: methods, tools, and approaches. <i>Regional Environmental Change</i> , 2020, 20, 1.	1.4	27
42	Modelling the point and non-point nitrogen loads to the Venice Lagoon (Italy): the application of water quality models to the Dese-Zero basin. <i>Desalination</i> , 2008, 226, 81-88.	4.0	26
43	Agricultural policy informed by farmers' adaptation experience to climate change in Veneto, Italy. <i>Regional Environmental Change</i> , 2016, 16, 245-258.	1.4	24
44	Conceptual advancement of socio-ecological modelling of ecosystem services for re-evaluating Brownfield land. <i>Ecosystem Services</i> , 2018, 33, 29-39.	2.3	23
45	Innovative approaches to integrated global change modelling. <i>Environmental Modelling and Software</i> , 2013, 44, 1-9.	1.9	22
46	Decision Support for Mainstreaming Climate Change Adaptation in Water Resources Management. <i>Water Resources Management</i> , 2014, 28, 4795-4808.	1.9	22
47	Integrated Risk Assessment of Water-Related Disasters. , 2015, , 163-200.		21
48	Integrated water resources management (IWRM) for climate change adaptation. <i>Regional Environmental Change</i> , 2017, 17, 1865-1867.	1.4	20
49	The economic impacts of climate change on the Chilean agricultural sector. A non-linear agricultural supply model. <i>Chilean Journal of Agricultural Research</i> , 2014, 74, 404-412.	0.4	18
50	Assessing the Impact of Urban Improvement on Housing Values: A Hedonic Pricing and Multi-Attribute Analysis Model for the Historic Centre of Venice. <i>Buildings</i> , 2017, 7, 112.	1.4	18
51	The Integrated Assessment of Land Degradation. <i>Italian Journal of Agronomy</i> , 2009, 4, 77.	0.4	17
52	Chapter Three Bridging the Gaps Between Design and Use: Developing Tools to Support Environmental Management and Policy. <i>Developments in Integrated Environmental Assessment</i> , 2008, , 33-48.	0.0	16
53	Spatial Assessment of Water Use Efficiency (SDG Indicator 6.4.1) for Regional Policy Support. <i>Frontiers in Environmental Science</i> , 2018, 6, .	1.5	16
54	NetSyMoD - An Integrated Approach for Water Resources Management. <i>NATO Science Series Series IV, Earth and Environmental Sciences</i> , 2008, , 69-93.	0.3	16

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55	Effects of four cultivation systems for maize on nitrogen leaching 1. Field experiment. <i>European Journal of Agronomy</i> , 1997, 6, 101-112.	1.9	14
56	Upscaling ecosystem service maps to administrative levels: beyond scale mismatches. <i>Science of the Total Environment</i> , 2019, 660, 1565-1575.	3.9	14
57	Multi-agent agro-economic simulation of irrigation water demand with climate services for climate change adaptation. <i>Italian Journal of Agronomy</i> , 2013, 8, 23.	0.4	12
58	An online platform supporting the analysis of water adaptation measures in the Alps. <i>Journal of Environmental Planning and Management</i> , 2018, 61, 214-229.	2.4	12
59	Environmental evaluation of alternative cropping systems with impact indices of pollution. <i>European Journal of Agronomy</i> , 1998, 8, 71-82.	1.9	11
60	Combining LULC data and agricultural statistics for A better identification and mapping of High nature value farmland: A case study in the veneto Plain, Italy. <i>Land Use Policy</i> , 2019, 83, 488-504.	2.5	11
61	Understanding the dissemination and adoption of innovations through social network analysis: geospatial solutions for disaster management in Nepal and Kenya. <i>Journal of Environmental Planning and Management</i> , 2020, 63, 818-841.	2.4	11
62	Agricultural tural land use changes and water quality: a case study in the watershed of the Lagoon of Venice. <i>Water Science and Technology</i> , 1999, 39, 135.	1.2	10
63	Recent Developments in Indicators and Models for Agri-environmental Assessment. <i>Italian Journal of Agronomy</i> , 2006, 1, 647.	0.4	9
64	Decision Support for Strategic Water Management: Mdss in the Large Dam Context. <i>Water International</i> , 2007, 32, 265-279.	0.4	9
65	Conditions for the adoption of conservation agriculture in Central Morocco: an approach based on Bayesian network modelling. <i>Italian Journal of Agronomy</i> , 2016, 11, 24-34.	0.4	9
66	Integration of earth observation and census data for mapping a multi-temporal flood vulnerability index: a case study on Northeast Italy. <i>Natural Hazards</i> , 2021, 106, 2163-2184.	1.6	9
67	Participatory Modelling and Decision Support for Natural Resources Management in Climate Change Research. <i>SSRN Electronic Journal</i> , 0, , .	0.4	9
68	Modelling agriculture and the environment: crop production and diffuse pollution. <i>European Journal of Agronomy</i> , 1995, 4, 403-412.	1.9	8
69	Evaluation of Agri-Environmental Measures in the Venice Lagoon Watershed. Expert Knowledge Elicitation and Multi-Criteria Analysis. <i>Italian Journal of Agronomy</i> , 2008, 3, 147.	0.4	8
70	A Conceptual Framework for Comprehensive Assessment of Risk Prevention Measures: The Kulturisk Framework (KR-FWK). <i>SSRN Electronic Journal</i> , 2012, , .	0.4	8
71	Effects of four cultivation systems for maize on nitrogen leaching 2. Model simulation. <i>European Journal of Agronomy</i> , 1997, 6, 113-123.	1.9	7
72	The Economics of Hydro-Meteorological Disasters: Approaching the Estimation of the Total Costs. <i>SSRN Electronic Journal</i> , 2013, , .	0.4	7

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73	SWAT meta-modeling as support of the management scenario analysis in large watersheds. <i>Water Science and Technology</i> , 2015, 72, 2103-2111.	1.2	7
74	Simulating impacts of agricultural policy on nitrogen losses from a watershed in Northern Italy. <i>Environment International</i> , 1995, 21, 577-582.	4.8	6
75	Construction of a Bayesian Network for the Assessment of Agri-Environmental Measures – The Case Study of the Venice Lagoon Watershed. <i>Italian Journal of Agronomy</i> , 2010, 5, 265.	0.4	6
76	Managing the nutrient loads of the Venice Lagoon Watershed: are the loads external to the watershed relevant under the WFD River Basin District framework?. <i>Journal of Coastal Research</i> , 2013, 65, 25-30.	0.1	6
77	Welfare Effects of Water Variability in Agriculture. Insights from a Multimarket Model. <i>Water (Switzerland)</i> , 2015, 7, 2908-2923.	1.2	6
78	Who Is Connected with Whom? A Social Network Analysis of Institutional Interactions in the European CCA and DRR Landscape. <i>Sustainability</i> , 2020, 12, 1275.	1.6	6
79	Models and Decisions Support Systems for Participatory Decision Making in Integrated Water Resource Management. <i>Environment & Policy</i> , 2008, , 165-186.	0.4	6
80	A farm multicriteria analysis model for the economic and environmental evaluation of agricultural land use. <i>Environment & Management</i> , 1998, , 115-136.	0.2	6
81	Evaluation of Agri-Environmental Measures in the Venice Lagoon Watershed. Nitrogen Budgets and Surplus Indicators. <i>Italian Journal of Agronomy</i> , 2008, 3, 167.	0.4	5
82	Integrated Assessment of Natural Hazards and Climate Change Adaptation: II - The Serra Methodology. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
83	A Spatial Agent-Based Model to Explore Scenarios of Adaptation to Climate Change in an Alpine Tourism Destination. <i>SSRN Electronic Journal</i> , 0, , .	0.4	5
84	Integrated Management of Water Resources: Concepts, Approaches and Challenges. , 2006, , .		5
85	Integrated Assessment of Natural Hazards and Climate Change Adaptation: I - The KULTURisk Methodological Framework. <i>SSRN Electronic Journal</i> , 2013, , .	0.4	4
86	A Decision-Making Model for Critical Infrastructures in Conditions of Deep Uncertainty. <i>Computational Social Sciences</i> , 2019, , 139-161.	0.4	3
87	Climate Change and Its Impacts on Tourism in the Alps - The Pilot Area of Auronzo Di Cadore (Belluno). <i>SSRN Electronic Journal</i> , 0, , .	0.4	3
88	A Participatory Approach for Assessing Alternative Climate Change Adaptation Responses to Cope with Flooding Risk in the Upper Brahmaputra and Danube River Basins. <i>SSRN Electronic Journal</i> , 0, , .	0.4	2
89	Integrated modelling of social-ecological systems for climate change adaptation. <i>Socio-Environmental Systems Modeling</i> , 0, 3, 18161.	0.0	2
90	Methods and tools for developing virtual territories for scenario analysis of agroecosystems. <i>Italian Journal of Agronomy</i> , 2016, 11, .	0.4	1

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91	Agricultural Impacts on Groundwater: Processes, Modelling and Decision Support. , 2001, , 35-75.		1
92	A Participatory Approach to Assess the Effectiveness of Responses to Cope with Flood Risk. SSRN Electronic Journal, 0, , .	0.4	1
93	Participatory Approach in Decision Making Processes for Water Resources Management in the Mediterranean Basin. SSRN Electronic Journal, 0, , .	0.4	1
94	Evaluation of Urban Improvement on the Islands of the Venice Lagoon: A Spatially-Distributed Hedonic-Hierarchical Approach. SSRN Electronic Journal, 2004, , .	0.4	0
95	Cost-Effectiveness Analysis for a Heavily Modified Water Body (HMWB): The Lambro-Seveso-Olona System Case Study. SSRN Electronic Journal, 0, , .	0.4	0
96	Adaptive IWRM Responses to Cope with "What-If" Scenarios. , 2015, , 61-66.		0
97	Water Policies and the Integrated Management of Surface Waters: An Ecological Approach. , 2006, , .		0
98	Sustainable Water Management and Decision Making. , 2006, , .		0