

Fabio Boschetti

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

2,205
citations

279487

23
h-index

243296

44
g-index

87
all docs

87
docs citations

87
times ranked

2336
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep aspirations: towards a sustainable offshore Blue Economy. <i>Reviews in Fish Biology and Fisheries</i> , 2022, 32, 209-230.	2.4	27
2	The future of ocean governance. <i>Reviews in Fish Biology and Fisheries</i> , 2022, 32, 253-270.	2.4	56
3	Influence of offshore oil and gas structures on seascape ecological connectivity. <i>Global Change Biology</i> , 2022, 28, 3515-3536.	4.2	28
4	Foresighting future oceans: Considerations and opportunities. <i>Marine Policy</i> , 2022, 140, 105021.	1.5	7
5	Understanding societal approval of the fishing industry and the influence of third-party sustainability certification. <i>Fish and Fisheries</i> , 2021, 22, 1213-1226.	2.7	9
6	Information-theoretic measures of ecosystem change, sustainability, and resilience. <i>ICES Journal of Marine Science</i> , 2020, 77, 1532-1544.	1.2	4
7	Setting priorities for conservation at the interface between ocean circulation, connectivity, and population dynamics. <i>Ecological Applications</i> , 2020, 30, e02011.	1.8	13
8	Quantitative Foresighting as a Means of Improving Anticipatory Scientific Capacity and Strategic Planning. <i>One Earth</i> , 2020, 3, 631-644.	3.6	8
9	Modelling regional futures at decadal scale: application to the Kimberley region. <i>Scientific Reports</i> , 2020, 10, 849.	1.6	6
10	Clarifying the current role of a social licence in its legal and political context: An examination of mining in Western Australia. <i>Resources Policy</i> , 2020, 67, 101649.	4.2	14
11	Sectoral Futures Are Conditional on Choices of Global and National Scenarios – Australian Marine Examples. <i>Frontiers in Marine Science</i> , 2020, 7, .	1.2	4
12	Zone specific trends in coral cover, genera and growth-forms in the World-Heritage listed Ningaloo Reef. <i>Marine Environmental Research</i> , 2020, 160, 105020.	1.1	5
13	Perceptions of system-identity and regime shift for marine ecosystems. <i>ICES Journal of Marine Science</i> , 2019, 76, 1736-1747.	1.2	5
14	Analyzing social media data: A mixed-methods framework combining computational and qualitative text analysis. <i>Behavior Research Methods</i> , 2019, 51, 1766-1781.	2.3	52
15	Declining abundance of coral reef fish in a World-Heritage-listed marine park. <i>Scientific Reports</i> , 2019, 9, 15524.	1.6	2
16	Self-referential basis of undecidable dynamics: From the Liar paradox and the halting problem to the edge of chaos. <i>Physics of Life Reviews</i> , 2019, 31, 134-156.	1.5	16
17	Proactive, Reactive, and Inactive Pathways for Scientists in a Changing World. <i>Earth's Future</i> , 2019, 7, 60-73.	2.4	21
18	Urban transformation stories for the 21st century: Insights from strategic conversations. <i>Global Environmental Change</i> , 2018, 50, 222-237.	3.6	30

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19	On Decision Makers'™ Perceptions of What an Ecological Computer Model is, What It Does, and Its Impact on Limiting Model Acceptance. Sustainability, 2018, 10, 2767.	1.6	4
20	Citizens'™ perception of the resilience of Australian cities. Sustainability Science, 2017, 12, 345-364.	2.5	12
21	Myths of the City. Sustainability Science, 2017, 12, 611-620.	2.5	3
22	Integrated modelling to support decision-making for marine social-ecological systems in Australia. ICES Journal of Marine Science, 2017, 74, 2298-2308.	1.2	22
23	Knowledge that Acts: Evaluating the Outcomes of a Knowledge Brokering Intervention in Western Australia's Ningaloo Region. Environmental Management, 2017, 60, 896-907.	1.2	12
24	Testing the consistency between goals and policies for sustainable development: mental models of how the world works today are inconsistent with mental models of how the world will work in the future. Sustainability Science, 2017, 12, 45-64.	2.5	18
25	Mental models, communication, and engagement in marine projects. ICES Journal of Marine Science, 2017, 74, 2034-2039.	1.2	2
26	Models and people: An alternative view of the emergent properties of computational models. Complexity, 2016, 21, 202-213.	0.9	4
27	A call for empirically based guidelines for building trust among stakeholders in environmental sustainability projects. Sustainability Science, 2016, 11, 855-859.	2.5	27
28	Myths of the future and scenario archetypes. Technological Forecasting and Social Change, 2016, 111, 76-85.	6.2	38
29	Modelling and attitudes towards the future. Ecological Modelling, 2016, 322, 71-81.	1.2	14
30	Citizens'™ Views of Australia's Future to 2050. Sustainability, 2015, 7, 222-247.	1.6	13
31	A multi-model approach to engaging stakeholder and modellers in complex environmental problems. Environmental Science and Policy, 2015, 48, 44-56.	2.4	70
32	How the movement characteristics of large marine predators influence estimates of their abundance. Ecological Modelling, 2015, 313, 223-236.	1.2	2
33	Of sets of offsets: Cumulative impacts and strategies for compensatory restoration. Ecological Modelling, 2015, 312, 114-124.	1.2	15
34	A simulation interface designed for improved user interaction and learning in water quality modelling software. Environmental Modelling and Software, 2015, 70, 86-96.	1.9	11
35	Key issues and drivers affecting coastal and marine resource decisions: Participatory management strategy evaluation to support adaptive management. Ocean and Coastal Management, 2015, 116, 382-395.	2.0	21
36	Individual transferable quota contribution to environmental stewardship: a theory in need of validation. Ecology and Society, 2014, 19, .	1.0	28

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37	Measuring cultural values and beliefs about environment to identify their role in climate change responses. <i>Journal of Environmental Psychology</i> , 2014, 37, 8-20.	2.3	117
38	Drivers influencing adaptive management: a retrospective evaluation of water quality decisions in South East Queensland (Australia). <i>Ambio</i> , 2014, 43, 1069-1081.	2.8	12
39	Density of reef sharks estimated by applying an agent-based model to video surveys. <i>Marine Ecology - Progress Series</i> , 2014, 508, 201-209.	0.9	9
40	How Computational Models Predict the Behavior of Complex Systems. <i>Foundations of Science</i> , 2013, 18, 809-821.	0.4	22
41	ATTITUDES, IDEOLOGIES AND SELF-ORGANIZATION: INFORMATION LOAD MINIMIZATION IN MULTI-AGENT DECISION MAKING. <i>International Journal of Modeling, Simulation, and Scientific Computing</i> , 2013, 16, 1350029.	0.9	13
42	Assessing attitudes and cognitive styles of stakeholders in environmental projects involving computer modelling. <i>Ecological Modelling</i> , 2012, 247, 98-111.	1.2	37
43	Causality, emergence, computation and unreasonable expectations. <i>Synthese</i> , 2012, 185, 187-194.	0.6	3
44	A computational model of a mental model used to reason about climate change. <i>Environmental Science and Policy</i> , 2012, 15, 125-135.	2.4	5
45	The Quantum Inspired Modelling of Changing Attitudes and Self-organising Societies. <i>Lecture Notes in Computer Science</i> , 2012, , 1-12.	1.0	6
46	Modelling=conditional prediction. <i>Ecological Complexity</i> , 2011, 8, 86-91.	1.4	11
47	A probabilistic approach to exploring low-dimensional global dynamics. <i>Procedia Environmental Sciences</i> , 2011, 6, 122-135.	1.3	1
48	Causality, emergence, computation and unreasonable expectations. <i>Synthese</i> , 2011, 181, 405-412.	0.6	4
49	Novel Properties Generated by Interacting Computational Systems. <i>Complex Systems</i> , 2011, 20, 151-164.	0.9	1
50	Interactive modelling for natural resource management. <i>Environmental Modelling and Software</i> , 2010, 25, 1075-1085.	1.9	13
51	Detecting behaviours in ecological models. <i>Ecological Complexity</i> , 2010, 7, 76-85.	1.4	3
52	An information-based adaptive strategy for resource exploitation in competitive scenarios. <i>Technological Forecasting and Social Change</i> , 2009, 76, 525-532.	6.2	6
53	An information-theoretic primer on complexity, self-organization, and emergence. <i>Complexity</i> , 2009, 15, 11-28.	0.9	222
54	Commons and anticommens in a simple renewable resource harvest model. <i>Ecological Complexity</i> , 2009, 6, 56-63.	1.4	3

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55	Analysing Weighted Networks: An Approach via Maximum Flows. Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, 2009, , 1093-1104.	0.2	5
56	A local linear embedding module for evolutionary computation optimization. Journal of Heuristics, 2008, 14, 95-116.	1.1	5
57	Application of Computational Mechanics to the Analysis of Seismic Time-series via Numerical Optimisation. New Generation Computing, 2008, 27, 1-23.	2.5	3
58	Complexity of a modelling exercise: A discussion of the role of computer simulation in complex system science. Complexity, 2008, 13, 21-28.	0.9	9
59	Strategies for resource exploitation. Ecological Complexity, 2008, 5, 22-29.	1.4	11
60	Mapping the complexity of ecological models. Ecological Complexity, 2008, 5, 37-47.	1.4	26
61	Visions of Evolution: Self-organization Proposes What Natural Selection Disposes. Biological Theory, 2008, 3, 17-29.	0.8	29
62	A Turing Test for Emergence. Advanced Information and Knowledge Processing, 2008, , 349-364.	0.2	6
63	A new approach to the acquisition of potential field data. Journal of Geodynamics, 2007, 43, 248-261.	0.7	1
64	Improving resource exploitation via collective intelligence by assessing agents' impact on the community outcome. Ecological Economics, 2007, 63, 553-562.	2.9	8
65	Automatic detection of particle aggregation in particle code simulations of rock deformation. Geochemistry, Geophysics, Geosystems, 2006, 7, n/a-n/a.	1.0	4
66	Improved edge detection and noise removal in gravity maps via the use of gravity gradients. Journal of Applied Geophysics, 2005, 57, 213-225.	0.9	32
67	Measure of similarity between geological sections accounting for subjective criteria. Computers and Geosciences, 2005, 31, 29-34.	2.0	6
68	Dimensionality reduction and visualization of geoscientific images via locally linear embedding. Computers and Geosciences, 2005, 31, 689-697.	2.0	8
69	Controlling and investigating cellular automaton behavior via interactive inversion and visualization of the search space. New Generation Computing, 2005, 23, 157-169.	2.5	4
70	Defining and Detecting Emergence in Complex Networks. Lecture Notes in Computer Science, 2005, , 573-580.	1.0	23
71	Estimation of the mass density contrasts and the 3D geometrical shape of the source bodies in the Yilgarn area, Eastern Goldfields, Western Australia. Journal of Geodynamics, 2005, 39, 444-460.	0.7	12
72	Feature removal and isolation in potential field data. Geophysical Journal International, 2004, 159, 833-841.	1.0	15

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73	Inverse modelling in geology by interactive evolutionary computation. <i>Journal of Structural Geology</i> , 2003, 25, 1615-1621.	1.0	45
74	Effective exploration and visualization of geological parameter space. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	1.0	12
75	Improved Downward Continuation of Potential Field Data. <i>Exploration Geophysics</i> , 2003, 34, 249-256.	0.5	39
76	On the inversion of gravity and magnetic data with depth resolution (Maurizio Fedi and Antonio Tj ETQq0 0 rgBT /Overlock I	1.4	3
77	What if your Inversion has no Numerical Target?. <i>ASEG Extended Abstracts</i> , 2003, 2003, 1-5.	0.1	1
78	Interactive inversion in geosciences. <i>Geophysics</i> , 2001, 66, 1226-1234.	1.4	47
79	Wavelet Based Inversion of Gravity Data. <i>Exploration Geophysics</i> , 2001, 32, 48-55.	0.5	33
80	Inferring Geological Structures using Wavelet-Based Multiscale Edge Analysis and Forward Models. <i>Exploration Geophysics</i> , 2000, 31, 617-621.	0.5	67
81	Multiscale edge analysis of potential field data. <i>Exploration Geophysics</i> , 1999, 30, 38-44.	0.5	104
82	Analysis of potential field data in the wavelet domain. <i>Geophysical Journal International</i> , 1999, 137, 175-196.	1.0	211
83	Inversion of potential field data by genetic algorithms. <i>Geophysical Prospecting</i> , 1997, 45, 461-478.	1.0	51
84	A fractal-based algorithm for detecting first arrivals on seismic traces. <i>Geophysics</i> , 1996, 61, 1095-1102.	1.4	150
85	Inversion of seismic refraction data using genetic algorithms. <i>Geophysics</i> , 1996, 61, 1715-1727.	1.4	118