Matteo Convertino

List of Publications by Year in descending order

67 papers	2,158 citations	279798 23 h-index	233421 45 g-index
84 all docs	84 docs citations	84 times ranked	3212 citing authors

#	Article	IF	Citations
1	Integrating Risk and Resilience Approaches to Catastrophe Management in Engineering Systems. Risk Analysis, 2013, 33, 356-367.	2.7	417
2	Untangling drivers of species distributions: Global sensitivity and uncertainty analyses of MaxEnt. Environmental Modelling and Software, 2014, 51, 296-309.	4.5	142
3	An open challenge to advance probabilistic forecasting for dengue epidemics. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 24268-24274.	7.1	136
4	Emerging Priorities for Microbiome Research. Frontiers in Microbiology, 2020, 11, 136.	3.5	113
5	Measurable Resilience for Actionable Policy. Environmental Science & Technology, 2013, 47, 130903081548008.	10.0	112
6	Multi-criteria decision analysis to select metrics for design and monitoring of sustainable ecosystem restorations. Ecological Indicators, 2013, 26, 76-86.	6.3	98
7	Collaborative efforts to forecast seasonal influenza in the United States, 2015â€“2016. Scientific Reports, 2019, 9, 683.	3.3	90
8	Integrating modelling and smart sensors for environmental and human health. Environmental Modelling and Software, 2015, 74, 238-246.	4.5	77
9	Optimal information networks: Application for data-driven integrated health in populations. Science Advances, 2018, 4, e1701088.	10.3	71
10	The impact of seaâ€level rise on<scp>S</scp>nowy<scp>P</scp>lovers in<scp>F</scp>lorida: integrating geomorphological, habitat, and metapopulation models. Global Change Biology, 2011, 17, 3644-3654.	9.5	65
11	Detecting fingerprints of landslide drivers: A MaxEnt model. Journal of Geophysical Research F: Earth Surface, 2013, 118, 1367-1386.	2.8	63
12	Portfolio Decision Analysis Framework for Value-Focused Ecosystem Management. PLoS ONE, 2013, 8, e65056.	2.5	55
13	Information-theoretic portfolio decision model for optimal flood management. Environmental Modelling and Software, 2019, 119, 258-274.	4.5	38
14	Stochastic Pharmacokinetic-Pharmacodynamic Modeling for Assessing the Systemic Health Risk of Perfluorooctanoate (PFOA). Toxicological Sciences, 2018, 163, 293-306.	3.1	37
15	Inferring ecosystem networks as information flows. Scientific Reports, 2021, 11, 7094.	3.3	36
16	COVID-19 non-pharmaceutical intervention portfolio effectiveness and risk communication predominance. Scientific Reports, 2021, 11, 10605.	3.3	36
17	Demographic Inequities in Health Outcomes and Air Pollution Exposure in the Atlanta Area and its Relationship to Urban Infrastructure. Journal of Urban Health, 2019, 96, 219-234.	3.6	33
18	Simulating the fate of Florida Snowy Plovers with sea-level rise: Exploring research and management priorities with a global uncertainty and sensitivity analysis perspective. Ecological Modelling, 2012, 224, 33-47.	2.5	31

#	Article	IF	Citations
19	Epistemic uncertainty in predicting shorebird biogeography affected by sea-level rise. Ecological Modelling, 2012, 240, 1-15.	2.5	31
20	Occurrence of contaminants of emerging concern in aquatic ecosystems utilized by Minnesota tribal communities. Science of the Total Environment, 2020, 724, 138057.	8.0	30
21	Do Tropical Cyclones Shape Shorebird Habitat Patterns? Biogeoclimatology of Snowy Plovers in Florida. PLoS ONE, 2011, 6, e15683.	2.5	27
22	Scale- and resolution-invariance of suitable geographic range for shorebird metapopulations. Ecological Complexity, 2011, 8, 364-376.	2.9	26
23	Enhanced Adaptive Management: Integrating Decision Analysis, Scenario Analysis and Environmental Modeling for the Everglades. Scientific Reports, 2013, 3, 2922.	3.3	25
24	On neutral metacommunity patterns of river basins at different scales of aggregation. Water Resources Research, 2009, 45, .	4.2	24
25	Using LiDAR Data to Measure the 3D Green Biomass of Beijing Urban Forest in China. PLoS ONE, 2013, 8, e75920.	2.5	23
26	Optimal Microbiome Networks: Macroecology and Criticality. Entropy, 2019, 21, 506.	2.2	23
27	Toward a pluralistic conception of resilience. Ecological Indicators, 2019, 107, 105510.	6.3	21
28	Anthropogenic renourishment feedback on shorebirds: A multispecies Bayesian perspective. Ecological Engineering, 2011, 37, 1184-1194.	3.6	19
29	Threshold Evaluation of Emergency Risk Communication for Health Risks Related to Hazardous Ambient Temperature. Risk Analysis, 2018, 38, 2208-2221.	2.7	18
30	A chemical prioritization process: Applications to contaminants of emerging concern in freshwater ecosystems (Phase I). Science of the Total Environment, 2021, 772, 146030.	8.0	18
31	Risk Map of Cholera Infection for Vaccine Deployment: The Eastern Kolkata Case. PLoS ONE, 2013, 8, e71173.	2.5	17
32	Degrees and dollars â€“ Health costs associated with suboptimal ambient temperature exposure. Science of the Total Environment, 2019, 678, 702-711.	8.0	16
33	Shorebird patches as fingerprints of fractal coastline fluctuations due to climate change. Ecological Processes, 2012, 1, .	3.9	15
34	Design of optimal ecosystem monitoring networks: hotspot detection and biodiversity patterns. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1085-1101.	4.0	14
35	Probabilistic structure of the distance between tributaries of given size in river networks. Water Resources Research, 2007, 43, .	4.2	13
36	Neutral metacommunity clustering and SAR: River basin vs. 2-D landscape biodiversity patterns. Ecological Modelling, 2011, 222, 1863-1879.	2.5	13

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37	Decision analysis for species preservation under sea-level rise. Ecological Modelling, 2013, 263, 264-272.	2.5	13
38	Anthropogenic factors associated with contaminants of emerging concern detected in inland Minnesota lakes (Phase II). Science of the Total Environment, 2021, 772, 146188.	8.0	13
39	A Moment of Mental Model Clarity: Response to Jones et al. 2011. Ecology and Society, 2012, 17, .	2.3	12
40	Estimating case fatality risk of severe Yellow Fever cases: systematic literature review and meta-analysis. BMC Infectious Diseases, 2021, 21, 819.	2.9	12
41	Inferring Species Richness and Turnover by Statistical Multiresolution Texture Analysis of Satellite Imagery. PLoS ONE, 2012, 7, e46616.	2.5	9
42	A spatially distributed, deterministic approach to modeling Typha domingensis (cattail) in an Everglades wetland. Ecological Processes, 2012, 1, .	3.9	8
43	Optimal surveillance network design: a value of information model. Complex Adaptive Systems Modeling, 2014, 2, .	1.6	8
44	Predicting the distribution of potential natural vegetation based on species functional groups in fragmented and species-rich forests. Plant Ecology and Evolution, 2013, 146, 261-271.	0.7	6
45	Probabilistic Analysis of the Impact of Vessel Speed Restrictions on Navigational Safety: Accounting for the Right Whale Rule. Journal of Navigation, 2018, 71, 65-82.	1.7	6
46	The Eco-Evo Mandala: Simplifying Bacterioplankton Complexity into Ecohealth Signatures. Entropy, 2021, 23, 1471.	2.2	6
47	Insurer Resilience in an Era of Climate Change and Extreme Weather: An Econometric Analysis. Climate, 2019, 7, 55.	2.8	5
48	Power-law of Aggregate-size Spectra in Natural Systems. ICST Transactions on Complex Systems, 2013, 1, e2.	0.0	5
49	Temperature increase drives critical slowing down of fish ecosystems. PLoS ONE, 2021, 16, e0246222.	2.5	4
50	Information differences across spatial resolutions and scales for disease surveillance and analysis: The case of Visceral Leishmaniasis in Brazil. PLoS ONE, 2020, 15, e0235920.	2.5	3
51	Intelli-food: Cyberinfrastructure for Real-Time Outbreak Source Detection and Rapid Response. Lecture Notes in Computer Science, 2014, , 181-196.	1.3	3
52	In.To. COVID-19 socio-epidemiological co-causality. Scientific Reports, 2022, 12, 5831.	3.3	2
53	Metabolic shifts of oceans: Summoning bacterial interactions. Ecological Indicators, 2022, 138, 108871.	6.3	2
54	Anthropogenic Renourishment Feedback on Shorebirds: a Multispecies Bayesian Perspective. Nature Precedings, 2011, , .	0.1	1

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55	Bio-inspired patterned networks (BIPS) for development of wearable/disposable biosensors. , 2016, , .		1
56	Analytics for Health: Design of Cyber-infrastructures for Multiscale and Real-Time Cholera Outbreak Predictions. , 0, , 261-297.		1
57	Portfolio Decision Technology for Designing Optimal Syndemic Management Strategies. Advances in Intelligent Systems and Computing, 2016, , 223-234.	0.6	1
58	Epidemic Intelligence Cyberinfrastructure: Real-Time Outbreak Source Detection and Prediction for Rapid Response. PLOS Currents, 0, , .	1.4	1
59	Global Uncertainty, Sensitivity Analysis and Fractal Characterization of Spatially Distributed Hydrologic Models: case-study for a Constructed Subtropical Wetland in Everglades, Florida. , 2010, , .		0
60	Multispecies Emergence of Collective Behavior: Microbiome Connectome, Diversity and Services. , 0, , .		0
61	Classification of Rich-Classes but Scarce-Samples Images via Multi-modeling: the Humpback Whale Epitome. , 2022, , .		0
62	Title is missing!. , 2020, 15, e0235920.		0
63	Title is missing!. , 2020, 15, e0235920.		0
64	Title is missing!. , 2020, 15, e0235920.		0
65	Title is missing!. , 2020, 15, e0235920.		0
66	Title is missing!. , 2020, 15, e0235920.		0
67	Title is missing!. , 2020, 15, e0235920.		0