

Matteo Convertino

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,158
citations

279487

23
h-index

233125

45
g-index

84
all docs

84
docs citations

84
times ranked

3212
citing authors

#	ARTICLE	IF	CITATIONS
1	In.To. COVID-19 socio-epidemiological co-causality. Scientific Reports, 2022, 12, 5831.	1.6	2
2	Classification of Rich-Classes but Scarce-Samples Images via Multi-modeling: the Humpback Whale Epitome. , 2022, , .		0
3	Metabolic shifts of oceans: Summoning bacterial interactions. Ecological Indicators, 2022, 138, 108871.	2.6	2
4	Inferring ecosystem networks as information flows. Scientific Reports, 2021, 11, 7094.	1.6	36
5	COVID-19 non-pharmaceutical intervention portfolio effectiveness and risk communication predominance. Scientific Reports, 2021, 11, 10605.	1.6	36
6	A chemical prioritization process: Applications to contaminants of emerging concern in freshwater ecosystems (Phase I). Science of the Total Environment, 2021, 772, 146030.	3.9	18
7	Anthropogenic factors associated with contaminants of emerging concern detected in inland Minnesota lakes (Phase II). Science of the Total Environment, 2021, 772, 146188.	3.9	13
8	Estimating case fatality risk of severe Yellow Fever cases: systematic literature review and meta-analysis. BMC Infectious Diseases, 2021, 21, 819.	1.3	12
9	Temperature increase drives critical slowing down of fish ecosystems. PLoS ONE, 2021, 16, e0246222.	1.1	4
10	The Eco-Evo Mandala: Simplifying Bacterioplankton Complexity into Ecohealth Signatures. Entropy, 2021, 23, 1471.	1.1	6
11	Information differences across spatial resolutions and scales for disease surveillance and analysis: The case of Visceral Leishmaniasis in Brazil. PLoS ONE, 2020, 15, e0235920.	1.1	3
12	Emerging Priorities for Microbiome Research. Frontiers in Microbiology, 2020, 11, 136.	1.5	113
13	Occurrence of contaminants of emerging concern in aquatic ecosystems utilized by Minnesota tribal communities. Science of the Total Environment, 2020, 724, 138057.	3.9	30
14	Title is missing!. , 2020, 15, e0235920.		0
15	Title is missing!. , 2020, 15, e0235920.		0
16	Title is missing!. , 2020, 15, e0235920.		0
17	Title is missing!. , 2020, 15, e0235920.		0
18	Title is missing!. , 2020, 15, e0235920.		0

#	ARTICLE	IF	CITATIONS
19	Title is missing!. , 2020, 15, e0235920.		0
20	Toward a pluralistic conception of resilience. Ecological Indicators, 2019, 107, 105510.	2.6	21
21	Information-theoretic portfolio decision model for optimal flood management. Environmental Modelling and Software, 2019, 119, 258-274.	1.9	38
22	Collaborative efforts to forecast seasonal influenza in the United States, 2015â€“2016. Scientific Reports, 2019, 9, 683.	1.6	90
23	Optimal Microbiome Networks: Macroecology and Criticality. Entropy, 2019, 21, 506.	1.1	23
24	Degrees and dollars â€“ Health costs associated with suboptimal ambient temperature exposure. Science of the Total Environment, 2019, 678, 702-711.	3.9	16
25	Insurer Resilience in an Era of Climate Change and Extreme Weather: An Econometric Analysis. Climate, 2019, 7, 55.	1.2	5
26	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.	3.3	136
27	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.	1.8	33
28	Stochastic Pharmacokinetic-Pharmacodynamic Modeling for Assessing the Systemic Health Risk of Perfluorooctanoate (PFOA). Toxicological Sciences, 2018, 163, 293-306.	1.4	37
29	Threshold Evaluation of Emergency Risk Communication for Health Risks Related to Hazardous Ambient Temperature. Risk Analysis, 2018, 38, 2208-2221.	1.5	18
30	Optimal information networks: Application for data-driven integrated health in populations. Science Advances, 2018, 4, e1701088.	4.7	71
31	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.	1.0	6
32	Bio-inspired patterned networks (BIPS) for development of wearable/disposable biosensors. , 2016, , .		1
33	Portfolio Decision Technology for Designing Optimal Syndemic Management Strategies. Advances in Intelligent Systems and Computing, 2016, , 223-234.	0.5	1
34	Integrating modelling and smart sensors for environmental and human health. Environmental Modelling and Software, 2015, 74, 238-246.	1.9	77
35	Design of optimal ecosystem monitoring networks: hotspot detection and biodiversity patterns. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1085-1101.	1.9	14
36	Optimal surveillance network design: a value of information model. Complex Adaptive Systems Modeling, 2014, 2, .	1.6	8

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37	Untangling drivers of species distributions: Global sensitivity and uncertainty analyses of MaxEnt. <i>Environmental Modelling and Software</i> , 2014, 51, 296-309.	1.9	142
38	Intelli-food: Cyberinfrastructure for Real-Time Outbreak Source Detection and Rapid Response. <i>Lecture Notes in Computer Science</i> , 2014, , 181-196.	1.0	3
39	Measurable Resilience for Actionable Policy. <i>Environmental Science & Technology</i> , 2013, 47, 130903081548008.	4.6	112
40	Multi-criteria decision analysis to select metrics for design and monitoring of sustainable ecosystem restorations. <i>Ecological Indicators</i> , 2013, 26, 76-86.	2.6	98
41	Integrating Risk and Resilience Approaches to Catastrophe Management in Engineering Systems. <i>Risk Analysis</i> , 2013, 33, 356-367.	1.5	417
42	Decision analysis for species preservation under sea-level rise. <i>Ecological Modelling</i> , 2013, 263, 264-272.	1.2	13
43	Predicting the distribution of potential natural vegetation based on species functional groups in fragmented and species-rich forests. <i>Plant Ecology and Evolution</i> , 2013, 146, 261-271.	0.3	6
44	Detecting fingerprints of landslide drivers: A MaxEnt model. <i>Journal of Geophysical Research F: Earth Surface</i> , 2013, 118, 1367-1386.	1.0	63
45	Enhanced Adaptive Management: Integrating Decision Analysis, Scenario Analysis and Environmental Modeling for the Everglades. <i>Scientific Reports</i> , 2013, 3, 2922.	1.6	25
46	Using LiDAR Data to Measure the 3D Green Biomass of Beijing Urban Forest in China. <i>PLoS ONE</i> , 2013, 8, e75920.	1.1	23
47	Portfolio Decision Analysis Framework for Value-Focused Ecosystem Management. <i>PLoS ONE</i> , 2013, 8, e65056.	1.1	55
48	Risk Map of Cholera Infection for Vaccine Deployment: The Eastern Kolkata Case. <i>PLoS ONE</i> , 2013, 8, e71173.	1.1	17
49	Power-law of Aggregate-size Spectra in Natural Systems. <i>ICST Transactions on Complex Systems</i> , 2013, 1, e2.	0.0	5
50	A Moment of Mental Model Clarity: Response to Jones et al. 2011. <i>Ecology and Society</i> , 2012, 17, .	1.0	12
51	A spatially distributed, deterministic approach to modeling <i>Typha domingensis</i> (cattail) in an Everglades wetland. <i>Ecological Processes</i> , 2012, 1, .	1.6	8
52	Shorebird patches as fingerprints of fractal coastline fluctuations due to climate change. <i>Ecological Processes</i> , 2012, 1, .	1.6	15
53	Simulating the fate of Florida Snowy Plovers with sea-level rise: Exploring research and management priorities with a global uncertainty and sensitivity analysis perspective. <i>Ecological Modelling</i> , 2012, 224, 33-47.	1.2	31
54	Epistemic uncertainty in predicting shorebird biogeography affected by sea-level rise. <i>Ecological Modelling</i> , 2012, 240, 1-15.	1.2	31

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55	Inferring Species Richness and Turnover by Statistical Multiresolution Texture Analysis of Satellite Imagery. PLoS ONE, 2012, 7, e46616.	1.1	9
56	Scale- and resolution-invariance of suitable geographic range for shorebird metapopulations. Ecological Complexity, 2011, 8, 364-376.	1.4	26
57	Anthropogenic Renourishment Feedback on Shorebirds: a Multispecies Bayesian Perspective. Nature Precedings, 2011, , .	0.1	1
58	Do Tropical Cyclones Shape Shorebird Habitat Patterns? Biogeoclimatology of Snowy Plovers in Florida. PLoS ONE, 2011, 6, e15683.	1.1	27
59	The impact of sea-level rise on snowy plovers in Florida: integrating geomorphological, habitat, and metapopulation models. Global Change Biology, 2011, 17, 3644-3654.	4.2	65
60	Neutral metacommunity clustering and SAR: River basin vs. 2-D landscape biodiversity patterns. Ecological Modelling, 2011, 222, 1863-1879.	1.2	13
61	Anthropogenic renourishment feedback on shorebirds: A multispecies Bayesian perspective. Ecological Engineering, 2011, 37, 1184-1194.	1.6	19
62	Global Uncertainty, Sensitivity Analysis and Fractal Characterization of Spatially Distributed Hydrologic Models: case-study for a Constructed Subtropical Wetland in Everglades, Florida. , 2010, , .		0
63	On neutral metacommunity patterns of river basins at different scales of aggregation. Water Resources Research, 2009, 45, .	1.7	24
64	Probabilistic structure of the distance between tributaries of given size in river networks. Water Resources Research, 2007, 43, .	1.7	13
65	<i>Analytics for Health</i> : Design of Cyber-infrastructures for Multiscale and Real-Time Cholera Outbreak Predictions. , 0, , 261-297.		1
66	Epidemic Intelligence Cyberinfrastructure: Real-Time Outbreak Source Detection and Prediction for Rapid Response. PLOS Currents, 0, , .	1.4	1
67	Multispecies Emergence of Collective Behavior: Microbiome Connectome, Diversity and Services. , 0, , .		0