

Matteo Convertino

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,158
citations

279701

23
h-index

233338

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 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 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 |