Sebastian Contreras

List of Publications by Year
in descending order

19 papers	**418** citations	1163117 **8** h-index	996975 **15** g-index
21 all docs	**21** docs citations	**21** times ranked	**576** citing authors

#	ARTICLE	IF	CITATIONS
1	The challenges of containing SARS-CoV-2 via test-trace-and-isolate. Nature Communications, 2021, 12, 378.	12.8	123
2	A multi-group SEIRA model for the spread of COVID-19 among heterogeneous populations. Chaos, Solitons and Fractals, 2020, 136, 109925.	5.1	61
3	Relaxing restrictions at the pace of vaccination increases freedom and guards against further COVID-19 waves. PLoS Computational Biology, 2021, 17, e1009288.	3.2	47
4	Risking further COVID-19 waves despite vaccination. Lancet Infectious Diseases, The, 2021, 21, 745-746.	9.1	37
5	Low case numbers enable long-term stable pandemic control without lockdowns. Science Advances, 2021, 7, eabg2243.	10.3	25
6	Real-Time Estimation of Rt for Supporting Public-Health Policies Against COVID-19. Frontiers in Public Health, 2020, 8, 556689.	2.7	21
7	Statistically-based methodology for revealing real contagion trends and correcting delay-induced errors in the assessment of COVID-19 pandemic. Chaos, Solitons and Fractals, 2020, 139, 110087.	5.1	19
8	Interplay Between Risk Perception, Behavior, and COVID-19 Spread. Frontiers in Physics, 2022, 10, .	2.1	16
9	Country-Wise Forecast Model for the Effective Reproduction Number Rt of Coronavirus Disease. Frontiers in Physics, 2020, 8, .	2.1	11
10	Development of Supervised Learning Predictive Models for Highly Non-linear Biological, Biomedical, and General Datasets. Frontiers in Molecular Biosciences, 2020, 7, 13.	3.5	10
11	DMAKit: A user-friendly web platform for bringing state-of-the-art data analysis techniques to non-specific users. Information Systems, 2020, 93, 101557.	3.6	9
12	A new statistically-based methodology for variability assessment of rheological parameters in mineral processing. Minerals Engineering, 2020, 156, 106494.	4.3	8
13	A Novel Synthetic Model of the Glucose-Insulin System for Patient-Wise Inference of Physiological Parameters From Small-Size OGTT Data. Frontiers in Bioengineering and Biotechnology, 2020, 8, 195.	4.1	7
14	Generalized Property-Based Encoders and Digital Signal Processing Facilitate Predictive Tasks in Protein Engineering. Frontiers in Molecular Biosciences, 0, 9, .	3.5	7
15	Rethinking COVID-19 vaccine allocation: it is time to care about our neighbours. Lancet Regional Health - Europe, The, 2022, 12, 100277.	5.6	3
16	New year, new SARS-CoV-2 variant: Resolutions on genomic surveillance protocols to face Omicron. The Lancet Regional Health Americas, 2022, 7, 100203.	2.6	3
17	Describing a landscape we are yet discovering. AStA Advances in Statistical Analysis, 0, , .	0.9	2
18	COVID-19 Modeling Under Uncertainty: Statistical Data Analysis for Unveiling True Spreading Dynamics and Guiding Correct Epidemiological Management. Studies in Systems, Decision and Control, 2022, , 245-282.	1.0	0

#	Article	IF	Citations
19	Patient-Wise Methodology to Assess Glycemic Health Status: Applications to Quantify the Efficacy and Physiological Targets of Polyphenols on Glycemic Control. Frontiers in Nutrition, 2022, 9, 831696.	3.7	0