Uri Obolski

List of Publications by Year
in descending order

52 papers	1,193 citations	516561 16 h-index	501076 28 g-index
73 all docs	73 docs citations	73 times ranked	1797 citing authors

#	Article	IF	Citations
1	Predicting microbial growth in a mixed culture from growth curve data. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14698-14707.	3.3	102
2	The glucosinolate breakdown product indoleâ€3â€carbinol acts as an auxin antagonist in roots of <scp>A</scp>rabidopsis thaliana. Plant Journal, 2015, 82, 547-555.	2.8	98
3	Flowers respond to pollinator sound within minutes by increasing nectar sugar concentration. Ecology Letters, 2019, 22, 1483-1492.	3.0	79
4	High residual carriage of vaccine-serotype Streptococcus pneumoniae after introduction of pneumococcal conjugate vaccine in Malawi. Nature Communications, 2020, 11, 2222.	5.8	79
5	Estimating COVID-19 outbreak risk through air travel. Journal of Travel Medicine, 2020, 27, .	1.4	60
6	Implications of stress-induced genetic variation for minimizing multidrug resistance in bacteria. BMC Medicine, 2012, 10, 89.	2.3	51
7	Predicting Antibiotic Resistance in Hospitalized Patients by Applying Machine Learning to Electronic Medical Records. Clinical Infectious Diseases, 2021, 72, e848-e855.	2.9	47
8	Antibiotic Restriction Might Facilitate the Emergence of Multi-drug Resistance. PLoS Computational Biology, 2015, 11, e1004340.	1.5	44
9	Vaccination can drive an increase in frequencies of antibiotic resistance among nonvaccine serotypes of Streptococcus pneumoniae. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3102-3107.	3.3	42
10	Hepatitis B virus seroepidemiology data for Africa: Modelling intervention strategies based on a systematic review and meta-analysis. PLoS Medicine, 2020, 17, e1003068.	3.9	39
11	<scp>MVSE</scp>: An Râ€package that estimates a climateâ€driven mosquitoâ€borne viral suitability index. Methods in Ecology and Evolution, 2019, 10, 1357-1370.	2.2	35
12	A naturally protective epitope of limited variability asÂan influenza vaccine target. Nature Communications, 2018, 9, 3859.	5.8	32
13	Key issues review: evolution on rugged adaptive landscapes. Reports on Progress in Physics, 2018, 81, 012602.	8.1	25
14	Sustained transmission of Ebola in new locations: more likely than previously thought. Lancet Infectious Diseases, The, 2019, 19, 1058-1059.	4.6	25
15	Interventions targeting non-symptomatic cases can be important to prevent local outbreaks: SARS-CoV-2 as a case study. Journal of the Royal Society Interface, 2021, 18, 20201014.	1.5	25
16	Fatal COVID-19 outcomes are associated with an antibody response targeting epitopes shared with endemic coronaviruses. JCI Insight, 2022, 7, .	2.3	24
17	Antibiotic cross-resistance in the lab and resistance co-occurrence in the clinic: Discrepancies and implications in E. coli. Infection, Genetics and Evolution, 2016, 40, 155-161.	1.0	22
18	Lineage structure of Streptococcus pneumoniae may be driven by immune selection on the groEL heat-shock protein. Scientific Reports, 2017, 7, 9023.	1.6	22

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19	Bimodal regulation of ICR1 levels generates self-organizing auxin distribution. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E5471-9.	3.3	20
20	Potential contribution of fish restocking to the recovery of deteriorated coral reefs: an alternative restoration method?. PeerJ, 2016, 4, e1732.	0.9	19
21	Time from Symptom Onset to Hospitalisation of Coronavirus Disease 2019 (COVID-19) Cases: Implications for the Proportion of Transmissions from Infectors with Few Symptoms. Journal of Clinical Medicine, 2020, 9, 1297.	1.0	19
22	Revealing antibiotic cross-resistance patterns in hospitalized patients through Bayesian network modelling. Journal of Antimicrobial Chemotherapy, 2021, 76, 239-248.	1.3	19
23	Identifying genes associated with invasive disease in S. pneumoniae by applying a machine learning approach to whole genome sequence typing data. Scientific Reports, 2019, 9, 4049.	1.6	18
24	A game theoretic approach reveals that discretizing clinical information can reduce antibiotic misuse. Nature Communications, 2021, 12, 1148.	5.8	18
25	West Nile virus transmission potential in Portugal. Communications Biology, 2022, 5, 6.	2.0	18
26	Unnecessary antibiotic treatment of children hospitalised with respiratory syncytial virus (RSV) bronchiolitis: risk factors and prescription patterns. Journal of Global Antimicrobial Resistance, 2021, 27, 303-308.	0.9	17
27	Characterising West Nile virus epidemiology in Israel using a transmission suitability index. Eurosurveillance, 2020, 25, .	3.9	15
28	Potential impact of individual exposure histories to endemic human coronaviruses on age-dependent severity of COVID-19. BMC Medicine, 2021, 19, 19.	2.3	14
29	Decoupling global biases and local interactions between cell biological variables. ELife, 2017, 6, .	2.8	14
30	With a little help from my friends: cooperation can accelerate the rate of adaptive valley crossing. BMC Evolutionary Biology, 2017, 17, 143.	3.2	10
31	Pollinatorâ€mediated selection on floral size and tube color in Linum pubescens: Can differential behavior and preference in different times of the day maintain dimorphism?. Ecology and Evolution, 2018, 8, 1096-1106.	0.8	10
32	Measuring Mosquito-borne Viral Suitability in Myanmar and Implications for Local Zika Virus Transmission. PLOS Currents, 2018, 10, .	1.4	10
33	Incidence and risk factors of hospitalisations for respiratory syncytial virus among children aged less than 2 years. Epidemiology and Infection, 2022, 150, 1-30.	1.0	9
34	Food Selectivity and Diet Switch Can Explain the Slow Feeding of Herbivorous Coral-Reef Fishes during the Morning. PLoS ONE, 2013, 8, e82391.	1.1	8
35	DOPE: D-Optimal Pooling Experimental design with application for SARS-CoV-2 screening. Journal of the American Medical Informatics Association: JAMIA, 2021, 28, 2562-2570.	2.2	7
36	Estimating the impact of cefuroxime versus cefazolin and amoxicillin/clavulanate use on future collateral resistance: a retrospective comparison. Journal of Antimicrobial Chemotherapy, 2022, 77, 1992-1995.	1.3	7

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37	Reply to Balsa-Canto et al.: Growth models are applicable to growth data, not to stationary-phase data. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 814-815.	3.3	6
38	Resistance profiles of coagulase-negative staphylococci contaminating blood cultures predict pathogen resistance and patient mortality. Journal of Antimicrobial Chemotherapy, 2014, 69, 2541-2546.	1.3	5
39	Pneumococcal Competition Modulates Antibiotic Resistance in the Pre-Vaccination Era: A Modelling Study. Vaccines, 2021, 9, 265.	2.1	5
40	An Antigenic Thrift-Based Approach to Influenza Vaccine Design. Vaccines, 2021, 9, 657.	2.1	5
41	An accurate model for SARS-CoV-2 pooled RT-PCR test errors. Royal Society Open Science, 2021, 8, 210704.	1.1	4
42	Influenza vaccination and the â€˜diversity paradoxâ€™. Human Vaccines and Immunotherapeutics, 2018, 14, 3005-3009.	1.4	3
43	Real-time seroprevalence and exposure levels of emerging pathogens in infection-naive host populations. Scientific Reports, 2021, 11, 5825.	1.6	3
44	Inferring the effective start dates of non-pharmaceutical interventions during COVID-19 outbreaks. International Journal of Infectious Diseases, 2022, 117, 361-368.	1.5	3
45	Combination therapy of infliximab and thiopurines, but not monotherapy with infliximab or vedolizumab, is associated with attenuated IgA and neutralisation responses to SARS-CoV-2 in inflammatory bowel disease. Gut, 2022, 71, 1919.2-1922.	6.1	3
46	Modeling the growth and sporulation dynamics of the macroalga <i>Ulva</i> in mixed-age populations in cultivation and the formation of green tides. Biogeosciences, 2022, 19, 2263-2271.	1.3	3
47	Less fit Lamium amplexicaule plants produce more dispersible seeds. Scientific Reports, 2019, 9, 6299.	1.6	2
48	The effects of positive and negative verbal feedback on repeated force production. Physiology and Behavior, 2020, 225, 113086.	1.0	1
49	Title is missing!. , 2020, 17, e1003068.		0
50	Title is missing!. , 2020, 17, e1003068.		0
51	Title is missing!. , 2020, 17, e1003068.		0
52	Title is missing!. , 2020, 17, e1003068.		0