Arnau Casanovas-Massana

List of Publications by Year
in descending order

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49 papers	8,688 citations	257450 24 h-index	223800 46 g-index
79 all docs	79 docs citations	79 times ranked	18185 citing authors

#	Article	IF	Citations
1	Genetic Evidence for a Potential Environmental Pathway to Spillover Infection of Rat-Borne Leptospirosis. Journal of Infectious Diseases, 2022, 225, 130-134.	4.0	7
2	Longitudinal Immune Profiling of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection in a Solid Organ Transplant Recipient. Journal of Infectious Diseases, 2022, 225, 374-384.	4.0	7
3	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19. Nature Communications, 2022, 13, 440.	12.8	100
4	Multiscale PHATE identifies multimodal signatures of COVID-19. Nature Biotechnology, 2022, 40, 681-691.	17.5	39
5	EVITA Dengue: a cluster-randomized controlled trial to EValuate the efficacy of Wolbachia-InfecTed Aedes aegypti mosquitoes in reducing the incidence of Arboviral infection in Brazil. Trials, 2022, 23, 185.	1.6	5
6	Cutting Edge: Severe SARS-CoV-2 Infection in Humans Is Defined by a Shift in the Serum Lipidome, Resulting in Dysregulation of Eicosanoid Immune Mediators. Journal of Immunology, 2021, 206, 329-334.	0.8	131
7	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity. Med, 2021, 2, 263-280.e6.	4.4	211
8	Abstract S03-03: Cancer patients display diminished viral RNA clearance and altered T cell responses during SARS-CoV-2 infection. , 2021, , .		0
9	Tracking smell loss to identify healthcare workers with SARS-CoV-2 infection. PLoS ONE, 2021, 16, e0248025.	2.5	10
10	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. , 2021, , .		3
11	Evidence for SARS-CoV-2 Spike Protein in the Urine of COVID-19 Patients. Kidney360, 2021, 2, 924-936.	2.1	34
12	Stability of SARS-CoV-2 RNA in Nonsupplemented Saliva. Emerging Infectious Diseases, 2021, 27, 1146-1150.	4.3	61
13	Increased SARS-CoV-2 Testing Capacity with Pooled Saliva Samples. Emerging Infectious Diseases, 2021, 27, .	4.3	27
14	Knowledge, Attitude, and Practices regarding Leptospirosis among Visitors to a Recreational Forest in Malaysia. American Journal of Tropical Medicine and Hygiene, 2021, 104, 1290-1296.	1.4	2
15	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. Med, 2021, 2, 591-610.e10.	4.4	122
16	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. Cell Reports Medicine, 2021, 2, 100288.	6.5	121
17	Delayed production of neutralizing antibodies correlates with fatal COVID-19. Nature Medicine, 2021, 27, 1178-1186.	30.7	183
18	Diverse functional autoantibodies in patients with COVID-19. Nature, 2021, 595, 283-288.	27.8	619

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19	Kynurenic acid may underlie sex-specific immune responses to COVID-19. Science Signaling, 2021, 14, .	3.6	58
20	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. Nature, 2021, 597, E10-E11.	27.8	4
21	High-resolution epitope mapping and characterization of SARS-CoV-2 antibodies in large cohorts of subjects with COVID-19. Communications Biology, 2021, 4, 1317.	4.4	27
22	Effect of Sewerage on the Contamination of Soil with Pathogenic Leptospira in Urban Slums. Environmental Science & Technology, 2021, 55, 15882-15890.	10.0	3
23	Relationship between Physicochemical Characteristics and Pathogenic Leptospira in Urban Slum Waters. Tropical Medicine and Infectious Disease, 2020, 5, 146.	2.3	3
24	Detection of SARS-CoV-2 RNA by multiplex RT-qPCR. PLoS Biology, 2020, 18, e3000867.	5.6	64
25	Sex differences in immune responses that underlie COVID-19 disease outcomes. Nature, 2020, 588, 315-320.	27.8	1,035
26	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RTâ€“qPCR primerâ€“probe sets. Nature Microbiology, 2020, 5, 1299-1305.	13.3	661
27	Longitudinal analyses reveal immunological misfiring in severe COVID-19. Nature, 2020, 584, 463-469.	27.8	1,710
28	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics. Nature Biotechnology, 2020, 38, 1164-1167.	17.5	785
29	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. New England Journal of Medicine, 2020, 383, 1283-1286.	27.0	823
30	Acute encephalopathy with elevated CSF inflammatory markers as the initial presentation of COVID-19. BMC Neurology, 2020, 20, 248.	1.8	108
31	Leptospira yasudae sp. nov. and Leptospira stimsonii sp. nov., two new species of the pathogenic group isolated from environmental sources. International Journal of Systematic and Evolutionary Microbiology, 2020, 70, 1450-1456.	1.7	43
32	SARSâ€“CoV-2 infection of the placenta. Journal of Clinical Investigation, 2020, 130, 4947-4953.	8.2	387
33	68. Active Monitoring of a Healthcare Worker Cohort During the COVID-19 Epidemic. Open Forum Infectious Diseases, 2020, 7, S165-S165.	0.9	0
34	493. Clinical and Epidemiological Features of Healthcare Workers Detected with Coronavirus Disease. Open Forum Infectious Diseases, 2020, 7, S313-S313.	0.9	2
35	Seroprevalence, Risk Factors, and Rodent Reservoirs of Leptospirosis in an Urban Community of Puerto Rico, 2015. Journal of Infectious Diseases, 2019, 220, 1489-1497.	4.0	23
36	Traceability of different brands of bottled mineral water during shelf life, using PCR-DGGE and next generation sequencing techniques. Food Microbiology, 2019, 82, 1-10.	4.2	12

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37	Leptospira dzianensis and Leptospira putramalaysiae are later heterotypic synonyms of Leptospira yasudae and Leptospira stimsonii. International Journal of Systematic and Evolutionary Microbiology, 2019, 71, .	1.7	10
38	Quantification of Leptospira interrogans Survival in Soil and Water Microcosms. Applied and Environmental Microbiology, 2018, 84, .	3.1	88
39	Spatial and temporal dynamics of pathogenic Leptospira in surface waters from the urban slum environment. Water Research, 2018, 130, 176-184.	11.3	54
40	Quantification of pathogenic Leptospira in the soils of a Brazilian urban slum. PLoS Neglected Tropical Diseases, 2018, 12, e0006415.	3.0	53
41	An Optimized Method for Quantification of Pathogenic Leptospira in Environmental Water Samples. PLoS ONE, 2016, 11, e0160523.	2.5	21
42	Development of new hostâ€specific Bacteroides <scp>qPCR</scp>s for the identification of fecal contamination sources in water. MicrobiologyOpen, 2016, 5, 83-94.	3.0	30
43	Predicting fecal sources in waters with diverse pollution loads using general and molecular host-specific indicators and applying machine learning methods. Journal of Environmental Management, 2015, 151, 317-325.	7.8	28
44	Quantification of tetracycline and chloramphenicol resistance in digestive tracts of bulls and piglets fed with ToyocerinÂ®, a feed additive containing Bacillus toyonensis spores. Veterinary Microbiology, 2014, 173, 59-65.	1.9	8
45	Determination of fecal contamination origin in reclaimed water open-air ponds using biochemical fingerprinting of enterococci and fecal coliforms. Environmental Science and Pollution Research, 2013, 20, 3003-3010.	5.3	7
46	Characterization of microbial populations associated with natural swimming pools. International Journal of Hygiene and Environmental Health, 2013, 216, 132-137.	4.3	24
47	Diversity of the heterotrophic microbial populations for distinguishing natural mineral waters. International Journal of Food Microbiology, 2012, 153, 38-44.	4.7	25
48	Identification of Pseudomonas aeruginosa in water-bottling plants on the basis of procedures included in ISO 16266:2006. Journal of Microbiological Methods, 2010, 81, 1-5.	1.6	18
49	Multiscale PHATE Exploration of SARS-CoV-2 Data Reveals Multimodal Signatures of Disease. SSRN Electronic Journal, 0, , .	0.4	1