

Arnau Casanovas-Massana

List of Publications by Year in descending order

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Version: 2024-02-01

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	Longitudinal analyses reveal immunological misfiring in severe COVID-19. <i>Nature</i> , 2020, 584, 463-469.	27.8	1,710
2	Sex differences in immune responses that underlie COVID-19 disease outcomes. <i>Nature</i> , 2020, 588, 315-320.	27.8	1,035
3	Saliva or Nasopharyngeal Swab Specimens for Detection of SARS-CoV-2. <i>New England Journal of Medicine</i> , 2020, 383, 1283-1286.	27.0	823
4	Measurement of SARS-CoV-2 RNA in wastewater tracks community infection dynamics. <i>Nature Biotechnology</i> , 2020, 38, 1164-1167.	17.5	785
5	Analytical sensitivity and efficiency comparisons of SARS-CoV-2 RT-qPCR primer-probe sets. <i>Nature Microbiology</i> , 2020, 5, 1299-1305.	13.3	661
6	Diverse functional autoantibodies in patients with COVID-19. <i>Nature</i> , 2021, 595, 283-288.	27.8	619
7	SARS-CoV-2 infection of the placenta. <i>Journal of Clinical Investigation</i> , 2020, 130, 4947-4953.	8.2	387
8	SalivaDirect: A simplified and flexible platform to enhance SARS-CoV-2 testing capacity. <i>Med</i> , 2021, 2, 263-280.e6.	4.4	211
9	Delayed production of neutralizing antibodies correlates with fatal COVID-19. <i>Nature Medicine</i> , 2021, 27, 1178-1186.	30.7	183
10	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. <i>Journal of Immunology</i> , 2021, 206, 329-334.	0.8	131
11	Maternal respiratory SARS-CoV-2 infection in pregnancy is associated with a robust inflammatory response at the maternal-fetal interface. <i>Med</i> , 2021, 2, 591-610.e10.	4.4	122
12	Divergent and self-reactive immune responses in the CNS of COVID-19 patients with neurological symptoms. <i>Cell Reports Medicine</i> , 2021, 2, 100288.	6.5	121
13	Acute encephalopathy with elevated CSF inflammatory markers as the initial presentation of COVID-19. <i>BMC Neurology</i> , 2020, 20, 248.	1.8	108
14	Single-cell multi-omics reveals dyssynchrony of the innate and adaptive immune system in progressive COVID-19. <i>Nature Communications</i> , 2022, 13, 440.	12.8	100
15	Quantification of <i>Leptospira interrogans</i> Survival in Soil and Water Microcosms. <i>Applied and Environmental Microbiology</i> , 2018, 84, .	3.1	88
16	Detection of SARS-CoV-2 RNA by multiplex RT-qPCR. <i>PLoS Biology</i> , 2020, 18, e3000867.	5.6	64
17	Stability of SARS-CoV-2 RNA in Nonsupplemented Saliva. <i>Emerging Infectious Diseases</i> , 2021, 27, 1146-1150.	4.3	61
18	Kynurenic acid may underlie sex-specific immune responses to COVID-19. <i>Science Signaling</i> , 2021, 14, .	3.6	58

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19	Spatial and temporal dynamics of pathogenic <i>Leptospira</i> in surface waters from the urban slum environment. <i>Water Research</i> , 2018, 130, 176-184.	11.3	54
20	Quantification of pathogenic <i>Leptospira</i> in the soils of a Brazilian urban slum. <i>PLoS Neglected Tropical Diseases</i> , 2018, 12, e0006415.	3.0	53
21	<i>Leptospira yasudae</i> sp. nov. and <i>Leptospira stimsonii</i> sp. nov., two new species of the pathogenic group isolated from environmental sources. <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2020, 70, 1450-1456.	1.7	43
22	Multiscale PHATE identifies multimodal signatures of COVID-19. <i>Nature Biotechnology</i> , 2022, 40, 681-691.	17.5	39
23	Evidence for SARS-CoV-2 Spike Protein in the Urine of COVID-19 Patients. <i>Kidney360</i> , 2021, 2, 924-936.	2.1	34
24	Development of new host-specific qPCR assays for the identification of fecal contamination sources in water. <i>MicrobiologyOpen</i> , 2016, 5, 83-94.	3.0	30
25	Predicting fecal sources in waters with diverse pollution loads using general and molecular host-specific indicators and applying machine learning methods. <i>Journal of Environmental Management</i> , 2015, 151, 317-325.	7.8	28
26	Increased SARS-CoV-2 Testing Capacity with Pooled Saliva Samples. <i>Emerging Infectious Diseases</i> , 2021, 27, .	4.3	27
27	High-resolution epitope mapping and characterization of SARS-CoV-2 antibodies in large cohorts of subjects with COVID-19. <i>Communications Biology</i> , 2021, 4, 1317.	4.4	27
28	Diversity of the heterotrophic microbial populations for distinguishing natural mineral waters. <i>International Journal of Food Microbiology</i> , 2012, 153, 38-44.	4.7	25
29	Characterization of microbial populations associated with natural swimming pools. <i>International Journal of Hygiene and Environmental Health</i> , 2013, 216, 132-137.	4.3	24
30	Seroprevalence, Risk Factors, and Rodent Reservoirs of Leptospirosis in an Urban Community of Puerto Rico, 2015. <i>Journal of Infectious Diseases</i> , 2019, 220, 1489-1497.	4.0	23
31	An Optimized Method for Quantification of Pathogenic <i>Leptospira</i> in Environmental Water Samples. <i>PLoS ONE</i> , 2016, 11, e0160523.	2.5	21
32	Identification of <i>Pseudomonas aeruginosa</i> in water-bottling plants on the basis of procedures included in ISO 16266:2006. <i>Journal of Microbiological Methods</i> , 2010, 81, 1-5.	1.6	18
33	Traceability of different brands of bottled mineral water during shelf life, using PCR-DGGE and next generation sequencing techniques. <i>Food Microbiology</i> , 2019, 82, 1-10.	4.2	12
34	Tracking smell loss to identify healthcare workers with SARS-CoV-2 infection. <i>PLoS ONE</i> , 2021, 16, e0248025.	2.5	10
35	<i>Leptospira dzianensis</i> and <i>Leptospira putramalaysiae</i> are later heterotypic synonyms of <i>Leptospira yasudae</i> and <i>Leptospira stimsonii</i> . <i>International Journal of Systematic and Evolutionary Microbiology</i> , 2019, 71, .	1.7	10
36	Quantification of tetracycline and chloramphenicol resistance in digestive tracts of bulls and piglets fed with Toyocerin®, a feed additive containing <i>Bacillus toyonensis</i> spores. <i>Veterinary Microbiology</i> , 2014, 173, 59-65.	1.9	8

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37	Determination of fecal contamination origin in reclaimed water open-air ponds using biochemical fingerprinting of enterococci and fecal coliforms. <i>Environmental Science and Pollution Research</i> , 2013, 20, 3003-3010.	5.3	7
38	Genetic Evidence for a Potential Environmental Pathway to Spillover Infection of Rat-Borne Leptospirosis. <i>Journal of Infectious Diseases</i> , 2022, 225, 130-134.	4.0	7
39	Longitudinal Immune Profiling of a Severe Acute Respiratory Syndrome Coronavirus 2 Reinfection in a Solid Organ Transplant Recipient. <i>Journal of Infectious Diseases</i> , 2022, 225, 374-384.	4.0	7
40	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. <i>Trials</i> , 2022, 23, 185.	1.6	5
41	Reply to: A finding of sex similarities rather than differences in COVID-19 outcomes. <i>Nature</i> , 2021, 597, E10-E11.	27.8	4
42	Relationship between Physicochemical Characteristics and Pathogenic <i>Leptospira</i> in Urban Slum Waters. <i>Tropical Medicine and Infectious Disease</i> , 2020, 5, 146.	2.3	3
43	Case Study: Longitudinal immune profiling of a SARS-CoV-2 reinfection in a solid organ transplant recipient. , 2021, , .		3
44	Effect of Sewerage on the Contamination of Soil with Pathogenic <i>Leptospira</i> in Urban Slums. <i>Environmental Science & Technology</i> , 2021, 55, 15882-15890.	10.0	3
45	Knowledge, Attitude, and Practices regarding Leptospirosis among Visitors to a Recreational Forest in Malaysia. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1290-1296.	1.4	2
46	493. Clinical and Epidemiological Features of Healthcare Workers Detected with Coronavirus Disease. <i>Open Forum Infectious Diseases</i> , 2020, 7, S313-S313.	0.9	2
47	Multiscale PHATE Exploration of SARS-CoV-2 Data Reveals Multimodal Signatures of Disease. <i>SSRN Electronic Journal</i> , 0, , .	0.4	1
48	Abstract S03-03: Cancer patients display diminished viral RNA clearance and altered T cell responses during SARS-CoV-2 infection. , 2021, , .		0
49	68. Active Monitoring of a Healthcare Worker Cohort During the COVID-19 Epidemic. <i>Open Forum Infectious Diseases</i> , 2020, 7, S165-S165.	0.9	0