Sophie Trouillet-Assant

List of Publications by Year
in descending order

37 papers	4,043 citations	361413 20 h-index	330143 37 g-index
42 all docs	42 docs citations	42 times ranked	8993 citing authors

#	Article	IF	Citations
1	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. Science, 2020, 370, .	12.6	1,983
2	Autoantibodies neutralizing type I IFNs are present in ~4% of uninfected individuals over 70 years old and account for ~20% of COVID-19 deaths. Science Immunology, 2021, 6, .	11.9	357
3	Type I IFN immunoprofiling in COVID-19 patients. Journal of Allergy and Clinical Immunology, 2020, 146, 206-208.e2.	2.9	234
4	Characterization and Treatment of SARS-CoV-2 in Nasal and Bronchial Human Airway Epithelia. Cell Reports Medicine, 2020, 1, 100059.	6.5	188
5	Immunogenicity and efficacy of â€Šâ€Šâ€Šâ€Šâ€Šâ€Šheterologous ChAdOx1â€“BNT162b2 vaccination. Nature, 2021, 600, 701-706.	27.8	180
6	The risk of COVID-19 death is much greater and age dependent with type I IFN autoantibodies. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2200413119.	7.1	110
7	Polyclonal expansion of TCR VÎ² 21.3 ⁺ CD4 ⁺ and CD8 ⁺ T cells is a hallmark of multisystem inflammatory syndrome in children. Science Immunology, 2021, 6, .	11.9	105
8	PSMs of Hypervirulent Staphylococcus aureus Act as Intracellular Toxins That Kill Infected Osteoblasts. PLoS ONE, 2013, 8, e63176.	2.5	103
9	Early nasal type I IFN immunity against SARS-CoV-2 is compromised in patients with autoantibodies against type I IFNs. Journal of Experimental Medicine, 2021, 218, .	8.5	85
10	Antibodies against type I interferon: detection and association with severe clinical outcome in COVIDâ€19 patients. Clinical and Translational Immunology, 2021, 10, e1327.	3.8	79
11	Evaluation of High-Throughput SARS-CoV-2 Serological Assays in a Longitudinal Cohort of Patients with Mild COVID-19: Clinical Sensitivity, Specificity, and Association with Virus Neutralization Test. Clinical Chemistry, 2021, 67, 742-752.	3.2	69
12	Staphylococcus epidermidis in Orthopedic Device Infections: The Role of Bacterial Internalization in Human Osteoblasts and Biofilm Formation. PLoS ONE, 2013, 8, e67240.	2.5	65
13	Immune Functional Assays, From Custom to Standardized Tests for Precision Medicine. Frontiers in Immunology, 2018, 9, 2367.	4.8	61
14	Adaptive processes ofStaphylococcus aureusisolates during the progression from acute to chronic bone and joint infections in patients. Cellular Microbiology, 2016, 18, 1405-1414.	2.1	47
15	Understanding the Virulence of Staphylococcus pseudintermedius: A Major Role of Pore-Forming Toxins. Frontiers in Cellular and Infection Microbiology, 2018, 8, 221.	3.9	37
16	Vaccine breakthrough hypoxemic COVID-19 pneumonia in patients with auto-Abs neutralizing type I IFNs. Science Immunology, 2023, 8, .	11.9	35
17	Characterization of SARS-CoV-2 ORF6 deletion variants detected in a nosocomial cluster during routine genomic surveillance, Lyon, France. Emerging Microbes and Infections, 2021, 10, 167-177.	6.5	32
18	Evaluation of Commercial Anti-SARS-CoV-2 Antibody Assays and Comparison of Standardized Titers in Vaccinated Health Care Workers. Journal of Clinical Microbiology, 2022, 60, JCM0174621.	3.9	32

#	Article	IF	Citations
19	Pathophysiological Mechanisms of Staphylococcus Non-aureus Bone and Joint Infection: Interspecies Homogeneity and Specific Behavior of S. pseudintermedius. Frontiers in Microbiology, 2016, 7, 1063.	3.5	31
20	Metagenomic Next-Generation Sequencing Reveals Individual Composition and Dynamics of Anelloviruses during Autologous Stem Cell Transplant Recipient Management. Viruses, 2018, 10, 633.	3.3	23
21	Torque Teno Virus Viral Load as a Marker of Immune Function in Allogeneic Haematopoietic Stem Cell Transplantation Recipients. Viruses, 2020, 12, 1292.	3.3	23
22	Human Monocyte-Derived Osteoclasts Are Targeted by Staphylococcal Pore-Forming Toxins and Superantigens. PLoS ONE, 2016, 11, e0150693.	2.5	19
23	Assessment of serological techniques for screening patients for COVID-19 (COVID-SER): a prospective, multicentric study. BMJ Open, 2020, 10, e041268.	1.9	19
24	Mupirocin Resistance in Isolates of Staphylococcus spp. from Nasal Swabs in a Tertiary Hospital in France. Journal of Clinical Microbiology, 2015, 53, 2713-2715.	3.9	16
25	Type I Interferon in Children with Viral or Bacterial Infections. Clinical Chemistry, 2020, 66, 802-808.	3.2	13
26	Six-month antibody response to SARS-CoV-2 in healthcare workers assessed by virus neutralization and commercial assays. Clinical Microbiology and Infection, 2021, 27, 933-935.	6.0	13
27	Clinical and laboratory characteristics of symptomatic healthcare workers with suspected COVID-19: a prospective cohort study. Scientific Reports, 2021, 11, 14977.	3.3	13
28	Deciphering heterogeneity of septic shock patients using immune functional assays: a proof of concept study. Scientific Reports, 2020, 10, 16136.	3.3	11
29	Evaluation of commercial Anti-SARS-CoV-2 neutralizing antibody assays in seropositive subjects. Journal of Clinical Virology, 2022, 152, 105169.	3.1	10
30	Live virus neutralization testing in convalescent patients and subjects vaccinated against 19A, 20B, 20I/501Y.V1 and 20H/501Y.V2 isolates of SARS-CoV-2. Emerging Microbes and Infections, 2021, 10, 1499-1502.	6.5	9
31	Differential response induced by LPS and MPLA in immunocompetent and septic individuals. Clinical Immunology, 2021, 226, 108714.	3.2	9
32	Towards standardization of immune functional assays. Clinical Immunology, 2020, 210, 108312.	3.2	8
33	Ward-Specific Rates of Nasal Cocolonization with Methicillin-Susceptible and -Resistant Staphylococcus spp. and Potential Impact on Molecular Methicillin-Resistant Staphylococcus aureus Screening Tests. Journal of Clinical Microbiology, 2013, 51, 2418-2420.	3.9	7
34	Methicillin-susceptible strains responsible for postoperative orthopedic infection are not selected by the use of cefazolin in prophylaxis. Diagnostic Microbiology and Infectious Disease, 2016, 84, 266-267.	1.8	4
35	Typeâ€I Interferon assessment in 45 minutes using the FilmArray^{Â®} PCR platform in SARSâ€CoVâ€2 and other viral infections. European Journal of Immunology, 2021, 51, 989-994.	2.9	4
36	Are Anti-Receptorâ€“Binding Domain Antibodies Still a Relevant Proxy for Monitoring SARS-CoV-2 Neutralizing Activity in the Omicron Era?. Clinical Chemistry, 2022, 68, 984-986.	3.2	3

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37	Evaluation of the BD GeneOhm Methicillin-Resistant Staphylococcus aureus (MRSA) Assay as a Method for Detection of MRSA Isolates, Using a Large Collection of European and North African Isolates. Journal of Clinical Microbiology, 2014, 52, 4372-4374.	3.9	0