Brice L Gaudilliere

List of Publications by Year
in descending order

64 papers	4,674 citations	186265 28 h-index	118850 62 g-index
70 all docs	70 docs citations	70 times ranked	8411 citing authors

#	Article	IF	Citations
1	Proteomic signatures predict preeclampsia in individual cohorts but not across cohorts â€“ implications for clinical biomarker studies. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 5621-5628.	1.5	20
2	Association of Prehabilitation With Postoperative Opioid Use in Colorectal Surgery: An Observational Cohort Study. Journal of Surgical Research, 2022, 273, 226-232.	1.6	5
3	Perinatal infection, inflammation, preterm birth, and brain injury: A review with proposals for future investigations. Experimental Neurology, 2022, 351, 113988.	4.1	15
4	Maternal stress and its consequences â€“ biological strain. American Journal of Perinatology, 2022, 0, .	1.4	0
5	A data-driven health index for neonatal morbidities. IScience, 2022, 25, 104143.	4.1	2
6	Integrated Single-cell and Plasma Proteomic Modeling to Predict Surgical Site Complications: A Prospective Cohort Study. Annals of Surgery, 2022, 275, 582-590.	4.2	11
7	Integrated plasma proteomic and single-cell immune signaling network signatures demarcate mild, moderate, and severe COVID-19. Cell Reports Medicine, 2022, 3, 100680.	6.5	19
8	Signature for Pain Recovery IN Teens (SPRINT): protocol for a multisite prospective signature study in chronic musculoskeletal pain. BMJ Open, 2022, 12, e061548.	1.9	0
9	Towards personalized medicine in maternal and child health: integrating biologic and social determinants. Pediatric Research, 2021, 89, 252-258.	2.3	19
10	Predicting Acute Pain After Surgery. Annals of Surgery, 2021, 273, 289-298.	4.2	22
11	The Role of Mass Cytometry in Early Detection, Diagnosis, and Treatment of Head and Neck Cancer. , 2021, , 121-136.		0
12	Understanding how biologic and social determinants affect disparities in preterm birth and outcomes of preterm infants in the NICU. Seminars in Perinatology, 2021, 45, 151408.	2.5	5
13	Deleterious and Protective Psychosocial and Stress-Related Factors Predict Risk of Spontaneous Preterm Birth. American Journal of Perinatology, 2021, , .	1.4	10
14	Integrated trajectories of the maternal metabolome, proteome, and immunome predict labor onset. Science Translational Medicine, 2021, 13, .	12.4	82
15	Human immune system adaptations to simulated microgravity revealed by single-cell mass cytometry. Scientific Reports, 2021, 11, 11872.	3.3	15
16	Single-Cell Analysis of the Neonatal Immune System Across the Gestational Age Continuum. Frontiers in Immunology, 2021, 12, 714090.	4.8	13
17	Data-Driven Modeling of Pregnancy-Related Complications. Trends in Molecular Medicine, 2021, 27, 762-776.	6.7	29
18	Harnessing the Potential of Multiomics Studies for Precision Medicine in Infectious Disease. Open Forum Infectious Diseases, 2021, 8, ofab483.	0.9	13

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19	A Peripheral Immune Signature of Labor Induction. Frontiers in Immunology, 2021, 12, 725989.	4.8	9
20	Measuring the human immune response to surgery: multiomics for the prediction of postoperative outcomes. Current Opinion in Critical Care, 2021, 27, 717-725.	3.2	18
21	Human influenza virus challenge identifies cellular correlates of protection for oral vaccination. Cell Host and Microbe, 2021, 29, 1828-1837.e5.	11.0	14
22	From Mass to Flow: Emerging Sepsis Diagnostics Based on Flow Cytometry Analysis of Neutrophils. American Journal of Respiratory and Critical Care Medicine, 2021, , .	5.6	1
23	CytoNorm: A Normalization Algorithm for Cytometry Data. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2020, 97, 268-278.	1.5	112
24	Integration of mechanistic immunological knowledge into a machine learning pipeline improves predictions. Nature Machine Intelligence, 2020, 2, 619-628.	16.0	52
25	Single-cell peripheral immunoprofiling of Alzheimerâ€™s and Parkinsonâ€™s diseases. Science Advances, 2020, 6, .	10.3	29
26	VoPo leverages cellular heterogeneity for predictive modeling of single-cell data. Nature Communications, 2020, 11, 3738.	12.8	30
27	Systematic Immunophenotyping Reveals Sex-Specific Responses After Painful Injury in Mice. Frontiers in Immunology, 2020, 11, 1652.	4.8	21
28	Preferential inhibition of adaptive immune system dynamics by glucocorticoids in patients after acute surgical trauma. Nature Communications, 2020, 11, 3737.	12.8	18
29	Hypothalamic circuitry underlying stress-induced insomnia and peripheral immunosuppression. Science Advances, 2020, 6, .	10.3	60
30	Discovery and validation of biomarkers to aid the development of safe and effective pain therapeutics: challenges and opportunities. Nature Reviews Neurology, 2020, 16, 381-400.	10.1	224
31	Changes in pregnancy-related serum biomarkers early in gestation are associated with later development of preeclampsia. PLoS ONE, 2020, 15, e0230000.	2.5	17
32	Multiomic immune clockworks of pregnancy. Seminars in Immunopathology, 2020, 42, 397-412.	6.1	47
33	Multiomics Characterization of Preterm Birth in Low- and Middle-Income Countries. JAMA Network Open, 2020, 3, e2029655.	5.9	53
34	Landscape of coordinated immune responses to H1N1 challenge in humans. Journal of Clinical Investigation, 2020, 130, 5800-5816.	8.2	28
35	Multiomics modeling of the immunome, transcriptome, microbiome, proteome and metabolome adaptations during human pregnancy. Bioinformatics, 2019, 35, 95-103.	4.1	162
36	Guidelines for the use of flow cytometry and cell sorting in immunological studies (second edition). European Journal of Immunology, 2019, 49, 1457-1973.	2.9	766

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37	Differential Dynamics of the Maternal Immune System in Healthy Pregnancy and Preeclampsia. Frontiers in Immunology, 2019, 10, 1305.	4.8	65
38	How Clinical Flow Cytometry Rebooted Sepsis Immunology. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2019, 95, 431-441.	1.5	33
39	A pilot study showing a stronger H1N1 influenza vaccination response during pregnancy in women who subsequently deliver preterm. Journal of Reproductive Immunology, 2019, 132, 16-20.	1.9	3
40	A year-long immune profile of the systemic response in acute stroke survivors. Brain, 2019, 142, 978-991.	7.6	59
41	Understanding health disparities. Journal of Perinatology, 2019, 39, 354-358.	2.0	14
42	A proteomic clock of human pregnancy. American Journal of Obstetrics and Gynecology, 2018, 218, 347.e1-347.e14.	1.3	82
43	GateFinder: projection-based gating strategy optimization for flow and mass cytometry. Bioinformatics, 2018, 34, 4131-4133.	4.1	20
44	Expression of specific inflammasome gene modules stratifies older individuals into two extreme clinical and immunological states. Nature Medicine, 2017, 23, 174-184.	30.7	304
45	Mass cytometry: The time to settle down. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2017, 91, 12-13.	1.5	13
46	Multicenter Systems Analysis of Human Blood Reveals Immature Neutrophils in Males and During Pregnancy. Journal of Immunology, 2017, 198, 2479-2488.	0.8	66
47	Deep Immune Profiling in Trauma and Sepsis. Critical Care Medicine, 2017, 45, 1577-1578.	0.9	4
48	An immune clock of human pregnancy. Science Immunology, 2017, 2, .	11.9	371
49	Freehand Versus Guided Surgery. Implant Dentistry, 2017, Publish Ahead of Print, 500-509.	1.3	37
50	Deep Immune Profiling of an Arginine-Enriched Nutritional Intervention in Patients Undergoing Surgery. Journal of Immunology, 2017, 199, 2171-2180.	0.8	19
51	The road ahead: Implementing mass cytometry in clinical studies, one cell at a time. Cytometry Part B - Clinical Cytometry, 2017, 92, 10-11.	1.5	19
52	Patient-Specific Immune States Before Surgery Are Strong Correlates of Surgical Recovery. Survey of Anesthesiology, 2016, 60, 127-128.	0.1	0
53	Mapping the Fetomaternal Peripheral Immune System at Term Pregnancy. Journal of Immunology, 2016, 197, 4482-4492.	0.8	34
54	Implementing Mass Cytometry at the Bedside to Study the Immunological Basis of Human Diseases: Distinctive Immune Features in Patients with a History of Term or Preterm Birth. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2015, 87, 817-829.	1.5	52

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55	Patient-specific Immune States before Surgery Are Strong Correlates of Surgical Recovery. Anesthesiology, 2015, 123, 1241-1255.	2.5	70
56	Transient partial permeabilization with saponin enables cellular barcoding prior to surface marker staining. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2014, 85, 1011-1019.	1.5	108
57	Clinical recovery from surgery correlates with single-cell immune signatures. Science Translational Medicine, 2014, 6, 255ra131.	12.4	285
58	A FOXOâ€“Pak1 transcriptional pathway controls neuronal polarity. Genes and Development, 2010, 24, 799-813.	5.9	83
59	Transcription factor Sp4 regulates dendritic patterning during cerebellar maturation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 9882-9887.	7.1	69
60	PIASx Is a MEF2 SUMO E3 Ligase That Promotes Postsynaptic Dendritic Morphogenesis. Journal of Neuroscience, 2007, 27, 10037-10046.	3.6	69
61	A Calcium-Regulated MEF2 Sumoylation Switch Controls Postsynaptic Differentiation. Science, 2006, 311, 1012-1017.	12.6	411
62	A CaMKII-NeuroD Signaling Pathway Specifies Dendritic Morphogenesis. Neuron, 2004, 41, 229-241.	8.1	235
63	Characterization of a Neurotrophin Signaling Mechanism that Mediates Neuron Survival in a Temporally Specific Pattern. Journal of Neuroscience, 2003, 23, 7326-7336.	3.6	95
64	RNA Interference Reveals a Requirement for Myocyte Enhancer Factor 2A in Activity-dependent Neuronal Survival. Journal of Biological Chemistry, 2002, 277, 46442-46446.	3.4	95