Kaitlyn Sadtler

List of Publications by Year
in descending order

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33	3,098	304743	434195
papers	citations	22 h-index	31 g-index

45	45	45	4900
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rapidly Increasing Severe Acute Respiratory Syndrome Coronavirus 2 Seroprevalence and Limited Clinical Disease in 3 Malian Communities: A Prospective Cohort Study. Clinical Infectious Diseases, 2022, 74, 1030-1038.	5.8	30
2	SARS-CoV-2 Cross-Reactivity in Prepandemic Serum from Rural Malaria-Infected Persons, Cambodia. Emerging Infectious Diseases, 2022, 28, 440-444.	4.3	15
3	Effect of D614G Spike Variant on Immunoglobulin G, M, or A Spike Seroassay Performance. Journal of Infectious Diseases, 2021, 223, 802-804.	4.0	17
4	Improved production of SARS-CoV-2 spike receptor-binding domain (RBD) for serology assays. Protein Expression and Purification, 2021, 179, 105802.	1.3	25
5	Standardization of ELISA protocols for serosurveys of the SARS-CoV-2 pandemic using clinical and at-home blood sampling. Nature Communications, 2021, 12, 113.	12.8	115
6	Serologic Cross-Reactivity of SARS-CoV-2 with Endemic and Seasonal Betacoronaviruses. Journal of Clinical Immunology, 2021, 41, 906-913.	3.8	133
7	T lymphocytes as critical mediators in tissue regeneration, fibrosis, and the foreign body response. Acta Biomaterialia, 2021, 133, 17-33.	8.3	42
8	Undiagnosed SARS-CoV-2 seropositivity during the first 6 months of the COVID-19 pandemic in the United States. Science Translational Medicine, 2021, 13, .	12.4	106
9	Material strategies and considerations for serologic testing of global infectious diseases. MRS Bulletin, 2021, , 1-5.	3.5	3
10	High-Dimensionality Flow Cytometry for Immune Function Analysis of Dissected Implant Tissues. Journal of Visualized Experiments, 2021, , .	0.3	1
11	Severe Acute Respiratory Syndrome Coronavirus 2 Seroassay Performance and Optimization in a Population With High Background Reactivity in Mali. Journal of Infectious Diseases, 2021, 224, 2001-2009.	4.0	34
12	Lung epithelial and endothelial damage, loss of tissue repair, inhibition of fibrinolysis, and cellular senescence in fatal COVID-19. Science Translational Medicine, 2021, 13, eabj7790.	12.4	133
13	Mobilizing Endogenous Repair Through Understanding Immune Reaction With Biomaterials. Frontiers in Bioengineering and Biotechnology, 2021, 9, 730938.	4.1	8
14	Engineered PLGA microparticles for long-term, pulsatile release of STING agonist for cancer immunotherapy. Science Translational Medicine, 2020, 12, .	12.4	117
15	Parallel evolution of polymer chemistry and immunology: Integrating mechanistic biology with materials design. Advanced Drug Delivery Reviews, 2020, 156, 65-79.	13.7	15
16	Optimizing high-yield production of SARS-CoV-2 soluble spike trimers for serology assays. Protein Expression and Purification, 2020, 174, 105686.	1.3	84
17	Interleukin 17 and senescent cells regulate the foreign body response to synthetic material implants in mice and humans. Science Translational Medicine, 2020, 12, .	12.4	99
18	IL-17 and immunologically induced senescence regulate response to injury in osteoarthritis. Journal of Clinical Investigation, 2020, 130, 5493-5507.	8.2	119

#	Article	IF	Citations
19	Analyzing the scaffold immune microenvironment using flow cytometry: practices, methods and considerations for immune analysis of biomaterials. Biomaterials Science, 2019, 7, 4472-4481.	5.4	8
20	A biologic scaffoldâ€“associated type 2 immune microenvironment inhibits tumor formation and synergizes with checkpoint immunotherapy. Science Translational Medicine, 2019, 11, .	12.4	96
21	Flexible Multielectrode Array for Skeletal Muscle Conditioning, Acetylcholine Receptor Stabilization and Epimysial Recording After Critical Peripheral Nerve Injury. Theranostics, 2019, 9, 7099-7107.	10.0	16
22	Delivery of mRNA vaccines with heterocyclic lipids increases anti-tumor efficacy by STING-mediated immune cell activation. Nature Biotechnology, 2019, 37, 1174-1185.	17.5	398
23	Divergent immune responses to synthetic and biological scaffolds. Biomaterials, 2019, 192, 405-415.	11.4	176
24	A hierarchy of affinities between cytokine receptors and the common gamma chain leads to pathway cross-talk. Science Signaling, 2018, 11, .	3.6	25
25	Optimization of a Degradable Polymerâ€“Lipid Nanoparticle for Potent Systemic Delivery of mRNA to the Lung Endothelium and Immune Cells. Nano Letters, 2018, 18, 6449-6454.	9.1	141
26	Biological scaffoldâ€“mediated delivery of myostatin inhibitor promotes a regenerative immune response in an animal model of Duchenne muscular dystrophy. Journal of Biological Chemistry, 2018, 293, 15594-15605.	3.4	14
27	Engineering the immune system. Biochemist, 2018, 40, 24-27.	0.5	0
28	Proteomic composition and immunomodulatory properties of urinary bladder matrix scaffolds in homeostasis and injury. Seminars in Immunology, 2017, 29, 14-23.	5.6	73
29	The Scaffold Immune Microenvironment: Biomaterial-Mediated Immune Polarization in Traumatic and Nontraumatic Applications<sup />. Tissue Engineering - Part A, 2017, 23, 1044-1053.	3.1	69
30	Developing a pro-regenerative biomaterial scaffold microenvironment requires T helper 2 cells. Science, 2016, 352, 366-370.	12.6	464
31	Design, clinical translation and immunological response of biomaterials in regenerative medicine. Nature Reviews Materials, 2016, 1, .	48.7	208
32	Dysregulated Macrophages Are Present in Bleomycinâ€Induced Murine Laryngotracheal Stenosis. Otolaryngology - Head and Neck Surgery, 2015, 153, 244-250.	1.9	35
33	Tissue matrix arrays for high-throughput screening and systems analysis of cell function. Nature Methods, 2015, 12, 1197-1204.	19.0	140