Aaron C Petrey

List of Publications by Year
in descending order

23	2,716	566801 15	676716 22
papers	citations	h-index	g-index

26	26	26	5686
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Neutrophil extracellular traps contribute to immunothrombosis in COVID-19 acute respiratory distress syndrome. Blood, 2020, 136, 1169-1179.	0.6	1,071
2	Platelet gene expression and function in patients with COVID-19. Blood, 2020, 136, 1317-1329.	0.6	741
3	Hyaluronan, a Crucial Regulator of Inflammation. Frontiers in Immunology, 2014, 5, 101.	2.2	365
4	Cytokine release syndrome in COVID-19: Innate immune, vascular, and platelet pathogenic factors differ in severity of disease and sex. Journal of Leukocyte Biology, 2021, 109, 55-66.	1.5	82
5	The extracellular matrix in IBD. Current Opinion in Gastroenterology, 2017, 33, 234-238.	1.0	74
6	COVID-19 generates hyaluronan fragments that directly induce endothelial barrier dysfunction. JCI Insight, 2021, 6, .	2.3	57
7	COVIDâ€19 patients exhibit reduced procoagulant platelet responses. Journal of Thrombosis and Haemostasis, 2020, 18, 3067-3073.	1.9	55
8	Layilin is critical for mediating hyaluronan 35 kDa-induced intestinal epithelial tight junction protein ZO-1 in vitro and in vivo. Matrix Biology, 2018, 66, 93-109.	1.5	41
9	Excessive activity of cathepsin K is associated with cartilage defects in a zebrafish model of mucolipidosis II. DMM Disease Models and Mechanisms, 2012, 5, 177-190.	1.2	36
10	Thrombin Cleavage of Inter-Î±-inhibitor Heavy Chain 1 Regulates Leukocyte Binding to an Inflammatory Hyaluronan Matrix. Journal of Biological Chemistry, 2016, 291, 24324-24334.	1.6	33
11	Hyaluronan in inflammatory bowel disease: Cross-linking inflammation and coagulation. Matrix Biology, 2019, 78-79, 314-323.	1.5	30
12	Hyaluronan and Its Receptors as Regulatory Molecules of the Endothelial Interface. Journal of Histochemistry and Cytochemistry, 2021, 69, 25-34.	1.3	24
13	Multifunctional Role of 35 Kilodalton Hyaluronan in Promoting Defense of the Intestinal Epithelium. Journal of Histochemistry and Cytochemistry, 2018, 66, 273-287.	1.3	22
14	Hyaluronan Depolymerization by Megakaryocyte Hyaluronidase-2 Is Required for Thrombopoiesis. American Journal of Pathology, 2016, 186, 2390-2403.	1.9	19
15	Cathepsin-Mediated Alterations in TGFÃŸ-Related Signaling Underlie Disrupted Cartilage and Bone Maturation Associated With Impaired Lysosomal Targeting. Journal of Bone and Mineral Research, 2016, 31, 535-548.	3.1	18
16	Heparanase expression and activity are increased in platelets during clinical sepsis. Journal of Thrombosis and Haemostasis, 2021, 19, 1319-1330.	1.9	15
17	Platelet hyaluronidase-2 regulates the early stages of inflammatory disease in colitis. Blood, 2019, 134, 765-775.	0.6	14
18	Enzyme-specific differences in mannose phosphorylation between GlcNAc-1-phosphotransferase Î±Î² and Î³ subunit deficient zebrafish support cathepsin proteases as early mediators of mucolipidosis pathology. Biochimica Et Biophysica Acta - General Subjects, 2016, 1860, 1845-1853.	1.1	7

#	Article	IF	Citations
19	The role of hyaluronan synthesis and degradation in the critical respiratory illness COVID-19. American Journal of Physiology - Cell Physiology, 2022, 322, C1037-C1046.	2.1	7
20	Editorial: Proteoglycans and Glycosaminoglycan Modification in Immune Regulation and Inflammation. Frontiers in Immunology, 2020, 11, 595867.	2.2	2
21	Platelet Dysregulation in the Pathobiology of COVID-19. Hamostaseologie, 2021, , .	0.9	2
22	Increased Platelet S100A8/S100A9 Associated with Vasculitis in Granulomatosis with Polyangiitis (GPA). Blood, 2021, 138, 3142-3142.	0.6	1
23	The mTOR Pathway in Platelets Contributes to the Pathophysiology of Experimental Cerebral Malaria. Blood, 2021, 138, 580-580.	0.6	0