

Ryan C Hill

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

2,065
citations

361413

20
h-index

454955

30
g-index

31
all docs

31
docs citations

31
times ranked

3919
citing authors

#	ARTICLE	IF	CITATIONS
1	Genotype tunes pancreatic ductal adenocarcinoma tissue tension to induce matricellular fibrosis and tumor progression. <i>Nature Medicine</i> , 2016, 22, 497-505.	30.7	456
2	Oxidative modifications of glyceraldehyde 3-phosphate dehydrogenase regulate metabolic reprogramming of stored red blood cells. <i>Blood</i> , 2016, 128, e32-e42.	1.4	183
3	Serum Proteomics in COVID-19 Patients: Altered Coagulation and Complement Status as a Function of IL-6 Level. <i>Journal of Proteome Research</i> , 2020, 19, 4417-4427.	3.7	155
4	Quantification of Extracellular Matrix Proteins from a Rat Lung Scaffold to Provide a Molecular Readout for Tissue Engineering. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 961-973.	3.8	131
5	A unified mechanism for intron and exon definition and back-splicing. <i>Nature</i> , 2019, 573, 375-380.	27.8	114
6	Targeted proteomics effectively quantifies differences between native lung and detergent-decellularized lung extracellular matrices. <i>Acta Biomaterialia</i> , 2016, 46, 91-100.	8.3	103
7	Quantification of decellularized human myocardial matrix: A comparison of six patients. <i>Proteomics - Clinical Applications</i> , 2016, 10, 75-83.	1.6	97
8	Quantitative extracellular matrix proteomics to study mammary and liver tissue microenvironments. <i>International Journal of Biochemistry and Cell Biology</i> , 2016, 81, 223-232.	2.8	89
9	Structure of the yeast spliceosomal postcatalytic P complex. <i>Science</i> , 2017, 358, 1278-1283.	12.6	87
10	Alterations in extracellular matrix composition during aging and photoaging of the skin. <i>Matrix Biology Plus</i> , 2020, 8, 100041.	3.5	83
11	Preserved Proteins from Extinct Bison latifrons Identified by Tandem Mass Spectrometry; Hydroxylysine Glycosides are a Common Feature of Ancient Collagen. <i>Molecular and Cellular Proteomics</i> , 2015, 14, 1946-1958.	3.8	73
12	Hydroxylamine Chemical Digestion for Insoluble Extracellular Matrix Characterization. <i>Journal of Proteome Research</i> , 2017, 16, 4177-4184.	3.7	52
13	Targeted matrisome analysis identifies thrombospondin-2 and tenascin-C in aligned collagen stroma from invasive breast carcinoma. <i>Scientific Reports</i> , 2018, 8, 12941.	3.3	51
14	The Rodent Liver Undergoes Weaning-Induced Involution and Supports Breast Cancer Metastasis. <i>Cancer Discovery</i> , 2017, 7, 177-187.	9.4	42
15	Evaluation and Refinement of Sample Preparation Methods for Extracellular Matrix Proteome Coverage. <i>Molecular and Cellular Proteomics</i> , 2021, 20, 100079.	3.8	36
16	Lysosomal cathepsin creates chimeric epitopes for diabetogenic CD4 T cells via transpeptidation. <i>Journal of Experimental Medicine</i> , 2021, 218, .	8.5	34
17	Pediatric tri-tube valved conduits made from fibroblast-produced extracellular matrix evaluated over 52 weeks in growing lambs. <i>Science Translational Medicine</i> , 2021, 13, .	12.4	33
18	Plasma QconCATs reveal a gender-specific proteomic signature in apheresis platelet plasma supernatants. <i>Journal of Proteomics</i> , 2015, 120, 1-6.	2.4	32

#	ARTICLE	IF	CITATIONS
19	Manufacturing considerations for producing and assessing decellularized extracellular matrix hydrogels. <i>Methods</i> , 2020, 171, 20-27.	3.8	31
20	Esophageal extracellular matrix hydrogel mitigates metaplastic change in a dog model of Barrett's esophagus. <i>Science Advances</i> , 2020, 6, eaba4526.	10.3	26
21	Postpartum breast cancer progression is driven by semaphorin 7a-mediated invasion and survival. <i>Oncogene</i> , 2020, 39, 2772-2785.	5.9	23
22	Role of lineage-specific matrix in stem cell chondrogenesis. <i>Biomaterials</i> , 2020, 231, 119681.	11.4	22
23	Injectable Myocardial Matrix Hydrogel Mitigates Negative Left Ventricular Remodeling in a Chronic Myocardial Infarction Model. <i>JACC Basic To Translational Science</i> , 2021, 6, 350-361.	4.1	22
24	JMJD6 cleaves MePCE to release positive transcription elongation factor b (P-TEFb) in higher eukaryotes. <i>ELife</i> , 2020, 9, .	6.0	20
25	Functional Insights from the Proteomic Inventory of Ovine Forestomach Matrix. <i>Journal of Proteome Research</i> , 2019, 18, 1657-1668.	3.7	17
26	Matrix reverses immortalization-mediated stem cell fate determination. <i>Biomaterials</i> , 2021, 265, 120387.	11.4	15
27	Site-Dependent Lineage Preference of Adipose Stem Cells. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 237.	3.7	13
28	The consequences of increased 4E-BP1 in polycystic kidney disease. <i>Human Molecular Genetics</i> , 2019, 28, 4132-4147.	2.9	11
29	Biologically-engineered mechanical model of a calcified artery. <i>Acta Biomaterialia</i> , 2020, 110, 164-174.	8.3	8
30	The effect of normal, metaplastic, and neoplastic esophageal extracellular matrix upon macrophage activation. <i>Journal of Immunology and Regenerative Medicine</i> , 2021, 13, 100037.	0.4	6
31	A liquid fraction of extracellular matrix inhibits glioma cell viability <i>in vitro</i> and <i>in vivo</i> . <i>Oncotarget</i> , 2022, 13, 426-438.	1.8	0