

Sara McArdle

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,631
citations

471371

17
h-index

552653

26
g-index

32
all docs

32
docs citations

32
times ranked

2973
citing authors

#	ARTICLE	IF	CITATIONS
1	Patrolling monocytes control tumor metastasis to the lung. <i>Science</i> , 2015, 350, 985-990.	6.0	370
2	Dynamic T cell-APC interactions sustain chronic inflammation in atherosclerosis. <i>Journal of Clinical Investigation</i> , 2012, 122, 3114-3126.	3.9	205
3	Deleting an Nr4a1 Super-Enhancer Subdomain Ablates Ly6C low Monocytes while Preserving Macrophage Gene Function. <i>Immunity</i> , 2016, 45, 975-987.	6.6	127
4	Differential DARC/ACKR1 expression distinguishes venular from non-venular endothelial cells in murine tissues. <i>BMC Biology</i> , 2017, 15, 45.	1.7	124
5	CCR5 ⁺ T-bet ⁺ FoxP3 ⁺ Effector CD4 T Cells Drive Atherosclerosis. <i>Circulation Research</i> , 2016, 118, 1540-1552.	2.0	104
6	Pathogenic Autoimmunity in Atherosclerosis Evolves From Initially Protective Apolipoprotein B ₁₀₀ -Reactive CD4 ⁺ T-Regulatory Cells. <i>Circulation</i> , 2020, 142, 1279-1293.	1.6	100
7	Neutrophil recruitment limited by high-affinity bent $\beta 2$ integrin binding ligand in cis. <i>Nature Communications</i> , 2016, 7, 12658.	5.8	84
8	Endothelial Protective Monocyte Patrolling in Large Arteries Intensified by Western Diet and Atherosclerosis. <i>Circulation Research</i> , 2017, 120, 1789-1799.	2.0	82
9	Olfactory receptor 2 in vascular macrophages drives atherosclerosis by NLRP3-dependent IL-1 production. <i>Science</i> , 2022, 375, 214-221.	6.0	81
10	Migratory and Dancing Macrophage Subsets in Atherosclerotic Lesions. <i>Circulation Research</i> , 2019, 125, 1038-1051.	2.0	47
11	Live cell imaging to understand monocyte, macrophage, and dendritic cell function in atherosclerosis. <i>Journal of Experimental Medicine</i> , 2016, 213, 1117-1131.	4.2	44
12	Atheroprotective vaccination with MHC-II-restricted ApoB peptides induces peritoneal IL-10-producing CD4 T cells. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2017, 312, H781-H790.	1.5	42
13	Intravital live cell triggered imaging system reveals monocyte patrolling and macrophage migration in atherosclerotic arteries. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	1.4	40
14	Effector and Regulatory T Cells Roll at High Shear Stress by Inducible Tether and Sling Formation. <i>Cell Reports</i> , 2017, 21, 3885-3899.	2.9	34
15	Kindlin-3 recruitment to the plasma membrane precedes high-affinity $\beta 2$ -integrin and neutrophil arrest from rolling. <i>Blood</i> , 2021, 137, 29-38.	0.6	30
16	Elongated neutrophil-derived structures are blood-borne microparticles formed by rolling neutrophils during sepsis. <i>Journal of Experimental Medicine</i> , 2021, 218, .	4.2	29
17	IL-6 is present in beta and alpha cells in human pancreatic islets: Expression is reduced in subjects with type 1 diabetes. <i>Clinical Immunology</i> , 2020, 211, 108320.	1.4	26
18	Frontline Science: Kindlin-3 is essential for patrolling and phagocytosis functions of nonclassical monocytes during metastatic cancer surveillance. <i>Journal of Leukocyte Biology</i> , 2020, 107, 883-892.	1.5	15

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19	Upregulation of HLA class II in pancreatic beta cells from organ donors with type 1 diabetes. <i>Diabetologia</i> , 2022, 65, 387-401.	2.9	14
20	Metabolic activation and colitis pathogenesis is prevented by lymphotoxin \hat{I}^2 receptor expression in neutrophils. <i>Mucosal Immunology</i> , 2021, 14, 679-690.	2.7	9
21	MISTICA: Minimum Spanning Tree-Based Coarse Image Alignment for Microscopy Image Sequences. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2016, 20, 1575-1584.	3.9	6
22	Registering sequences of in vivo microscopy images for cell tracking using dynamic programming and minimum spanning trees. , 2014, , .		5
23	Effect of IL4 and IL10 on a human in vitro type 1 diabetes model. <i>Clinical Immunology</i> , 2022, , 109076.	1.4	2
24	Super-STORM: Molecular Modeling to Achieve Single-molecule Localization with STORM Microscopy. <i>STAR Protocols</i> , 2020, 1, 100012.	0.5	1
25	Selecting the Optimal Sequence for Deformable Registration of Microscopy Image Sequences Using Two-Stage MST-based Clustering Algorithm. <i>Lecture Notes in Computer Science</i> , 2017, , 353-361.	1.0	1
26	Recruitment of kindlin \hat{I}^2 to plasma membrane through its PH domain precedes high affinity \hat{I}^2 integrin activation and neutrophil arrest. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.2	1
27	Live cell imaging to understand monocyte, macrophage, and dendritic cell function in atherosclerosis. <i>Journal of Cell Biology</i> , 2016, 213, 2136OIA120.	2.3	1
28	Momentum measure for quantifying dendritic cell movement. , 2015, , .		0
29	A two-stage minimum spanning tree (MST) based clustering algorithm for 2D deformable registration of time sequenced images. , 2017, , .		0
30	Live Cell Multiphoton Microscopy of Atherosclerotic Plaques in Mouse Aortas. , 2015, , 155-170.		0
31	Abstract 21: A Natural Repertoire of T Cells Recognizing ApoB-100 is Generated Early in Life and is Progressively Depleted During Atherosclerotic Disease. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2016, 36, .	1.1	0