

# Thomas D Arnold

## List of Publications by Year in descending order

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Version: 2024-02-01

21  
papers

1,746  
citations

687363

13  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3081  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bone Marrow-Derived Alk1 Mutant Endothelial Cells and Clonally Expanded Somatic Alk1 Mutant Endothelial Cells Contribute to the Development of Brain Arteriovenous Malformations in Mice. <i>Translational Stroke Research</i> , 2022, 13, 494-504.	4.2	8
2	Microglia are involved in the protection of memories formed during sleep deprivation. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2022, 12, 100073.	2.8	10
3	The SARS-CoV-2 receptor ACE2 is expressed in mouse pericytes but not endothelial cells: Implications for COVID-19 vascular research. <i>Stem Cell Reports</i> , 2022, 17, 1089-1104.	4.8	41
4	Enrichment of Vascular Fragments from Mouse Embryonic Brains for Endothelial Cell Analysis. <i>Bio-protocol</i> , 2021, 11, e4058.	0.4	0
5	CNS fibroblasts form a fibrotic scar in response to immune cell infiltration. <i>Nature Neuroscience</i> , 2021, 24, 234-244.	14.8	120
6	$\alpha$ <sub>v</sub> $\beta$ <sub>2</sub> integrin targeting to prevent posterior capsular opacification. <i>JCI Insight</i> , 2021, 6, .	5.0	9
7	Lack of Flvcr2 impairs brain angiogenesis without affecting the blood-brain barrier. <i>Journal of Clinical Investigation</i> , 2020, 130, 4055-4068.	8.2	11
8	A new genetic strategy for targeting microglia in development and disease. <i>ELife</i> , 2020, 9, .	6.0	99
9	Disruption of the Extracellular Matrix Progressively Impairs Central Nervous System Vascular Maturation Downstream of $\beta$ -Catenin Signaling. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 1432-1447.	2.4	14
10	Impaired $\alpha$ <sub>v</sub> $\beta$ <sub>2</sub> and TGF $\beta$ <sub>2</sub> signaling lead to microglial dysmaturation and neuromotor dysfunction. <i>Journal of Experimental Medicine</i> , 2019, 216, 900-915.	8.5	35
11	Development of an Improved Method for Genetic Fate Mapping of Brain Microglia. <i>FASEB Journal</i> , 2019, 33, lb163.	0.5	0
12	Visualization of vascular mural cells in developing brain using genetically labeled transgenic reporter mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2018, 38, 456-468.	4.3	51
13	Tissue Myeloid Progenitors Differentiate into Pericytes through TGF- $\beta$ Signaling in Developing Skin Vasculature. <i>Cell Reports</i> , 2017, 18, 2991-3004.	6.4	97
14	The $\alpha$ <sub>v</sub> $\beta$ <sub>1</sub> integrin plays a critical in vivo role in tissue fibrosis. <i>Science Translational Medicine</i> , 2015, 7, 288ra79.	12.4	227
15	LSR/angulin-1 is a tricellular tight junction protein involved in blood-brain barrier formation. <i>Journal of Cell Biology</i> , 2015, 208, 703-711.	5.2	108
16	Mesangial cell $\alpha$ <sub>v</sub> $\beta$ <sub>2</sub> -integrin regulates glomerular capillary integrity and repair. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F1400-F1409.	2.7	13
17	Excessive vascular sprouting underlies cerebral hemorrhage in mice lacking $\alpha$ <sub>v</sub> $\beta$ <sub>2</sub> -TGF $\beta$ <sub>2</sub> signaling in the brain. <i>Development (Cambridge)</i> , 2014, 141, 4489-4499.	2.5	84
18	Targeting of $\alpha$ <sub>v</sub> integrin identifies a core molecular pathway that regulates fibrosis in several organs. <i>Nature Medicine</i> , 2013, 19, 1617-1624.	30.7	737

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19	Deletion of integrin-linked kinase from neural crest cells in mice results in aortic aneurisms and embryonic lethality. <i>DMM Disease Models and Mechanisms</i> , 2013, 6, 1205-12.	2.4	13
20	Defective Retinal Vascular Endothelial Cell Development As a Consequence of Impaired Integrin $\alpha$ V $\beta$ 8-Mediated Activation of Transforming Growth Factor- $\beta$ 2. <i>Journal of Neuroscience</i> , 2012, 32, 1197-1206.	3.6	66
21	From Death to Recovery Following Hypoxia Ischemia: If TGF $\beta$ 2 Is a Central Regulator, Is Integrin $\alpha$ 8 the Switch?. <i>Neurotoxicity Research</i> , 2010, 17, 418-420.	2.7	0