

# Thomas D Arnold

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5894129/publications.pdf>

Version: 2024-02-01

21  
papers

1,746  
citations

686830

13  
h-index

839053

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

3081  
citing authors

| #  | ARTICLE   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Targeting of $\alpha$ v integrin identifies a core molecular pathway that regulates fibrosis in several organs. <i>Nature Medicine</i> , 2013, 19, 1617-1624.   | 15.2 | 737       |
| 2  | The $\alpha$ v $\beta$ 1 integrin plays a critical in vivo role in tissue fibrosis. <i>Science Translational Medicine</i> , 2015, 7, 288ra79.   | 5.8  | 227       |
| 3  | CNS fibroblasts form a fibrotic scar in response to immune cell infiltration. <i>Nature Neuroscience</i> , 2021, 24, 234-244.   | 7.1  | 120       |
| 4  | 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.   | 2.3  | 108       |
| 5  | A new genetic strategy for targeting microglia in development and disease. <i>ELife</i> , 2020, 9, .  | 2.8  | 99        |
| 6  | Tissue Myeloid Progenitors Differentiate into Pericytes through TGF- $\beta$ 2 Signaling in Developing Skin Vasculature. <i>Cell Reports</i> , 2017, 18, 2991-3004.   | 2.9  | 97        |
| 7  | Excessive vascular sprouting underlies cerebral hemorrhage in mice lacking $\alpha$ V $\beta$ 3-TGF $\beta$ 2 signaling in the brain. <i>Development (Cambridge)</i> , 2014, 141, 4489-4499.  | 1.2  | 84        |
| 8  | Defective Retinal Vascular Endothelial Cell Development As a Consequence of Impaired Integrin $\alpha$ V $\beta$ 3-Mediated Activation of Transforming Growth Factor- $\beta$ 2. <i>Journal of Neuroscience</i> , 2012, 32, 1197-1206.              | 1.7  | 66        |
| 9  | 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.   | 2.4  | 51        |
| 10 | 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.  | 2.3  | 41        |
| 11 | Impaired $\alpha$ V $\beta$ 3 and TGF $\beta$ 2 signaling lead to microglial dysmaturation and neuromotor dysfunction. <i>Journal of Experimental Medicine</i> , 2019, 216, 900-915.  | 4.2  | 35        |
| 12 | 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.                  | 1.1  | 14        |
| 13 | 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.  | 1.2  | 13        |
| 14 | Mesangial cell $\alpha$ v $\beta$ 3-integrin regulates glomerular capillary integrity and repair. <i>American Journal of Physiology - Renal Physiology</i> , 2014, 306, F1400-F1409.  | 1.3  | 13        |
| 15 | Lack of Flvcr2 impairs brain angiogenesis without affecting the blood-brain barrier. <i>Journal of Clinical Investigation</i> , 2020, 130, 4055-4068.   | 3.9  | 11        |
| 16 | Microglia are involved in the protection of memories formed during sleep deprivation. <i>Neurobiology of Sleep and Circadian Rhythms</i> , 2022, 12, 100073.  | 1.4  | 10        |
| 17 | $\alpha$ V $\beta$ 3 integrin targeting to prevent posterior capsular opacification. <i>JCI Insight</i> , 2021, 6, .  | 2.3  | 9         |
| 18 | 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. | 2.3  | 8         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | From Death to Recovery Following Hypoxia Ischemia: If TGF $\beta$ 2 Is a Central Regulator, Is Integrin $\alpha$ 8 the Switch?. Neurotoxicity Research, 2010, 17, 418-420. | 1.3 | 0         |
| 20 | Enrichment of Vascular Fragments from Mouse Embryonic Brains for Endothelial Cell Analysis. Bio-protocol, 2021, 11, e4058.   | 0.2 | 0         |
| 21 | Development of an Improved Method for Genetic Fate Mapping of Brain Microglia. FASEB Journal, 2019, 33, lb163.   | 0.2 | 0         |