

# David A Hartmann

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7265387/publications.pdf>

Version: 2024-02-01

20  
papers

1,395  
citations

623734

14  
h-index

888059

17  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pericyte structure and distribution in the cerebral cortex revealed by high-resolution imaging of transgenic mice. <i>Neurophotonics</i> , 2015, 2, 041402.	3.3	241
2	Brain capillary pericytes exert a substantial but slow influence on blood flow. <i>Nature Neuroscience</i> , 2021, 24, 633-645.	14.8	195
3	Organizational hierarchy and structural diversity of microvascular pericytes in adult mouse cortex. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2019, 39, 411-425.	4.3	175
4	Dynamic Remodeling of Pericytes In Vivo Maintains Capillary Coverage in the Adult Mouse Brain. <i>Cell Reports</i> , 2018, 22, 8-16.	6.4	152
5	Pericytes as Inducers of Rapid, Matrix Metalloproteinase-9-Dependent Capillary Damage during Ischemia. <i>Journal of Neuroscience</i> , 2017, 37, 129-140.	3.6	143
6	Pericyte Control of Blood Flow Across Microvascular Zones in the Central Nervous System. <i>Annual Review of Physiology</i> , 2022, 84, 331-354.	13.1	86
7	Functional deficits induced by cortical microinfarcts. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2017, 37, 3599-3614.	4.3	84
8	Pericyte Structural Remodeling in Cerebrovascular Health and Homeostasis. <i>Frontiers in Aging Neuroscience</i> , 2018, 10, 210.	3.4	77
9	Does pathology of small venules contribute to cerebral microinfarcts and dementia?. <i>Journal of Neurochemistry</i> , 2018, 144, 517-526.	3.9	44
10	A Murine Toolbox for Imaging the Neurovascular Unit. <i>Microcirculation</i> , 2015, 22, 168-182.	1.8	39
11	Rodent Models of Cerebral Microinfarct and Microhemorrhage. <i>Stroke</i> , 2018, 49, 803-810.	2.0	37
12	VasoMetrics: unbiased spatiotemporal analysis of microvascular diameter in multi-photon imaging applications. <i>Quantitative Imaging in Medicine and Surgery</i> , 2020, 11, 969-982.	2.0	34
13	Mild pericyte deficiency is associated with aberrant brain microvascular flow in aged PDGFR $\beta$ mice. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 2387-2400.	4.3	28
14	Multiple Approaches to Investigate the Transport and Activity-Dependent Release of BDNF and Their Application in Neurogenetic Disorders. <i>Neural Plasticity</i> , 2012, 2012, 1-11.	2.2	18
15	Pericytes as Inducers of Rapid, Matrix Metalloproteinase-9-Dependent Capillary Damage during Ischemia. <i>Journal of Neuroscience</i> , 2017, 37, 129-140.	3.6	16
16	Optogenetic stimulation of pericytes lacking alpha smooth muscle actin produces a decrease in capillary blood flow in the living mouse brain. <i>FASEB Journal</i> , 2018, 32, 708.1.	0.5	3
17	In vivo Optical Imaging and Manipulation of Pericytes in the Mouse Brain. , 2017, , .		2
18	In Vivo Optical Imaging and Manipulation of Brain Pericytes. <i>Pancreatic Islet Biology</i> , 2021, , 1-37.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Managing the tempo of the emergency department as an off-service intern. AEM Education and Training, 2021, 5, e10577.	1.2	0
20	Clinical Problem Solving: An Older Woman With Weakness from Head to Toe. Neurohospitalist, The, 2022, 12, 194187442110053.	0.8	0