

# Tom Van Agtmael

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9231865/publications.pdf>

Version: 2024-02-01

22  
papers

1,312  
citations

566801

15  
h-index

713013

21  
g-index

24  
all docs

24  
docs citations

24  
times ranked

1948  
citing authors

#	ARTICLE	IF	CITATIONS
1	Editorial: Molecular Mechanisms of Heritable Connective Tissue Disorders. <i>Frontiers in Genetics</i> , 2022, 13, 866665.	1.1	0
2	Basement membrane stiffness determines metastases formation. <i>Nature Materials</i> , 2021, 20, 892-903.	13.3	94
3	Global proteomic analysis of extracellular matrix in mouse and human brain highlights relevance to cerebrovascular disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 2423-2438.	2.4	14
4	Biochemical and Biophysical Induced Barrierogenesis in the Blood-Brain Barrier: A Review of Barrierogenic Factors for Use in In Vitro Models. <i>Advanced NanoBiomed Research</i> , 2021, 1, 2000068.	1.7	2
5	Rare Missense Functional Variants at <i>COL4A1</i> and <i>COL4A2</i> in Sporadic Intracerebral Hemorrhage. <i>Neurology</i> , 2021, 97, .	1.5	6
6	Identification of an Altered Matrix Signature in Kidney Aging and Disease. <i>Journal of the American Society of Nephrology: JASN</i> , 2021, 32, 1713-1732.	3.0	45
7	The role of basement membranes in cardiac biology and disease. <i>Bioscience Reports</i> , 2021, 41, .	1.1	13
8	Collagen IV-Related Diseases and Therapies. <i>Biology of Extracellular Matrix</i> , 2021, , 143-197.	0.3	1
9	Four decades in the making: Collagen III and mechanisms of vascular Ehlers Danlos Syndrome. <i>Matrix Biology Plus</i> , 2021, 12, 100090.	1.9	15
10	Material-driven fibronectin assembly rescues matrix defects due to mutations in collagen IV in fibroblasts. <i>Biomaterials</i> , 2020, 252, 120090.	5.7	9
11	Basement membrane collagens and disease mechanisms. <i>Essays in Biochemistry</i> , 2019, 63, 297-312.	2.1	59
12	4-Sodium phenyl butyric acid has both efficacy and counter-indicative effects in the treatment of Col4a1 disease. <i>Human Molecular Genetics</i> , 2019, 28, 628-638.	1.4	22
13	The Chemical Chaperone, PBA, Reduces ER Stress and Autophagy and Increases Collagen IV $\pm 5$ Expression in Cultured Fibroblasts From Men With X-Linked Alport Syndrome and Missense Mutations. <i>Kidney International Reports</i> , 2017, 2, 739-748.	0.4	30
14	Disruption of a miR-29 binding site leading to <i>COL4A1</i> upregulation causes pontine autosomal dominant microangiopathy with leukoencephalopathy. <i>Annals of Neurology</i> , 2016, 80, 741-753.	2.8	61
15	ER stress and basement membrane defects combine to cause glomerular and tubular renal disease resulting from <i>Col4a1</i> mutations in mice. <i>DMM Disease Models and Mechanisms</i> , 2016, 9, 165-176.	1.2	34
16	Common variation in <i>COL4A1/COL4A2</i> is associated with sporadic cerebral small vessel disease. <i>Neurology</i> , 2015, 84, 918-926.	1.5	106
17	Chemical chaperone treatment reduces intracellular accumulation of mutant collagen IV and ameliorates the cellular phenotype of a COL4A2 mutation that causes haemorrhagic stroke. <i>Human Molecular Genetics</i> , 2014, 23, 283-292.	1.4	60
18	Tendon Is Covered by a Basement Membrane Epithelium That Is Required for Cell Retention and the Prevention of Adhesion Formation. <i>PLoS ONE</i> , 2011, 6, e16337.	1.1	71

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19	Basement membranes and human disease. <i>Cell and Tissue Research</i> , 2010, 339, 167-188.	1.5	118
20	Col4a1 mutation in mice causes defects in vascular function and low blood pressure associated with reduced red blood cell volume. <i>Human Molecular Genetics</i> , 2010, 19, 1119-1128.	1.4	75
21	<i>COL4A1</i> Mutations and Hereditary Angiopathy, Nephropathy, Aneurysms, and Muscle Cramps. <i>New England Journal of Medicine</i> , 2007, 357, 2687-2695.	13.9	305
22	Dominant mutations of Col4a1 result in basement membrane defects which lead to anterior segment dysgenesis and glomerulopathy. <i>Human Molecular Genetics</i> , 2005, 14, 3161-3168.	1.4	124