

# Thomas Neill

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

7,667  
citations

172457

29  
h-index

265206

42  
g-index

42  
all docs

42  
docs citations

42  
times ranked

17051  
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	9.1	4,701
2	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. <i>Chemical Reviews</i> , 2018, 118, 9152-9232.	47.7	253
3	Decorin. <i>American Journal of Pathology</i> , 2012, 181, 380-387.	3.8	244
4	Matrix modeling and remodeling: A biological interplay regulating tissue homeostasis and diseases. <i>Matrix Biology</i> , 2019, 75-76, 1-11.	3.6	184
5	Decorin causes autophagy in endothelial cells via Peg3. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, E2582-91.	7.1	165
6	A current view of perlecan in physiology and pathology: A mosaic of functions. <i>Matrix Biology</i> , 2017, 57-58, 285-298.	3.6	148
7	Decorin Antagonizes the Angiogenic Network. <i>Journal of Biological Chemistry</i> , 2012, 287, 5492-5506.	3.4	146
8	Decorin Antagonizes Met Receptor Activity and Down-regulates $\beta$ -Catenin and Myc Levels. <i>Journal of Biological Chemistry</i> , 2010, 285, 42075-42085.	3.4	112
9	EphA2 is a functional receptor for the growth factor progranulin. <i>Journal of Cell Biology</i> , 2016, 215, 687-703.	5.2	111
10	Endorepellin, the Angiostatic Module of Perlecan, Interacts with Both the $\alpha$ 2 $\beta$ 1 Integrin and Vascular Endothelial Growth Factor Receptor 2 (VEGFR2). <i>Journal of Biological Chemistry</i> , 2011, 286, 25947-25962.	3.4	101
11	Decoding the Matrix: Instructive Roles of Proteoglycan Receptors. <i>Biochemistry</i> , 2015, 54, 4583-4598.	2.5	101
12	Decorin as a multivalent therapeutic agent against cancer. <i>Advanced Drug Delivery Reviews</i> , 2016, 97, 174-185.	13.7	101
13	Insights into the key roles of proteoglycans in breast cancer biology and translational medicine. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2015, 1855, 276-300.	7.4	96
14	Instructive Roles of Extracellular Matrix on Autophagy. <i>American Journal of Pathology</i> , 2014, 184, 2146-2153.	3.8	94
15	Decorin activates AMPK, an energy sensor kinase, to induce autophagy in endothelial cells. <i>Matrix Biology</i> , 2014, 34, 46-54.	3.6	83
16	Decorin Protein Core Affects the Global Gene Expression Profile of the Tumor Microenvironment in a Triple-Negative Orthotopic Breast Carcinoma Xenograft Model. <i>PLoS ONE</i> , 2012, 7, e45559.	2.5	77
17	Decorin Induces Mitophagy in Breast Carcinoma Cells via Peroxisome Proliferator-activated Receptor $\gamma$ 3 Coactivator-1 $\alpha$ (PGC-1 $\alpha$ ) and Mitostatin. <i>Journal of Biological Chemistry</i> , 2014, 289, 4952-4968.	3.4	74
18	Endorepellin Evokes Autophagy in Endothelial Cells. <i>Journal of Biological Chemistry</i> , 2014, 289, 16114-16128.	3.4	73

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19	Endorepellin Affects Angiogenesis by Antagonizing Diverse Vascular Endothelial Growth Factor Receptor 2 (VEGFR2)-evoked Signaling Pathways. <i>Journal of Biological Chemistry</i> , 2012, 287, 43543-43556.	3.4	69
20	Decorin is an autophagy-inducible proteoglycan and is required for proper in vivo autophagy. <i>Matrix Biology</i> , 2015, 48, 14-25.	3.6	66
21	Systemic Delivery of an Oncolytic Adenovirus Expressing Decorin for the Treatment of Breast Cancer Bone Metastases. <i>Human Gene Therapy</i> , 2015, 26, 813-825.	2.7	63
22	Decorin is a devouring proteoglycan: Remodeling of intracellular catabolism via autophagy and mitophagy. <i>Matrix Biology</i> , 2019, 75-76, 260-270.	3.6	63
23	Tumor-suppressive functions of 4-MU on breast cancer cells of different ER status: Regulation of hyaluronan/HAS2/CD44 and specific matrix effectors. <i>Matrix Biology</i> , 2019, 78-79, 118-138.	3.6	61
24	Dichotomy of decorin activity on the insulin-like growth factor system. <i>FEBS Journal</i> , 2013, 280, 2138-2149.	4.7	55
25	Oncosuppressive functions of decorin. <i>Molecular and Cellular Oncology</i> , 2015, 2, e975645.	0.7	55
26	Decorin induces rapid secretion of thrombospondin-1 in basal breast carcinoma cells via inhibition of <i>Scp</i> as homolog gene family, member <i>Scp</i> associated coiled-coil containing protein kinase-1. <i>FEBS Journal</i> , 2013, 280, 2353-2368.	4.7	45
27	Decorin has an appetite for endothelial cell autophagy. <i>Autophagy</i> , 2013, 9, 1626-1628.	9.1	43
28	Decorin-evoked paternally expressed gene 3 (PEG3) is an upstream regulator of the transcription factor EB (TFEB) in endothelial cell autophagy. <i>Journal of Biological Chemistry</i> , 2017, 292, 16211-16220.	3.4	41
29	Extracellular matrix: the gatekeeper of tumor angiogenesis. <i>Biochemical Society Transactions</i> , 2019, 47, 1543-1555.	3.4	34
30	The perlecan-interacting growth factor progranulin regulates ubiquitination, sorting, and lysosomal degradation of sortilin. <i>Matrix Biology</i> , 2017, 64, 27-39.	3.6	26
31	Progranulin/EphA2 axis: A novel oncogenic mechanism in bladder cancer. <i>Matrix Biology</i> , 2020, 93, 10-24.	3.6	25
32	Catabolic degradation of endothelial VEGFA via autophagy. <i>Journal of Biological Chemistry</i> , 2020, 295, 6064-6079.	3.4	22
33	Complexity of matrix phenotypes. <i>Matrix Biology Plus</i> , 2020, 6-7, 100038.	3.5	20
34	miR-21 Plays a Dual Role in Tumor Formation and Cytotoxic Response in Breast Tumors. <i>Cancers</i> , 2021, 13, 888.	3.7	20
35	Endorepellin remodels the endothelial transcriptome toward a pro-autophagic and pro-mitophagic gene signature. <i>Journal of Biological Chemistry</i> , 2018, 293, 12137-12148.	3.4	19
36	A functional outside-in signaling network of proteoglycans and matrix molecules regulating autophagy. <i>Matrix Biology</i> , 2021, 100-101, 118-149.	3.6	18

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37	Proteoglycan-driven Autophagy: A Nutrient-independent Mechanism to Control Intracellular Catabolism. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 733-746.	2.5	15
38	Oncosuppressive roles of decorin through regulation of multiple receptors and diverse signaling pathways. <i>American Journal of Physiology - Cell Physiology</i> , 2022, 322, C554-C566.	4.6	14
39	Reprint of: Decorin activates AMPK, an energy sensor kinase, to induce autophagy in endothelial cells. <i>Matrix Biology</i> , 2014, 35, 42-50.	3.6	13
40	The Role of Decorin Proteoglycan in Mitophagy. <i>Cancers</i> , 2022, 14, 804.	3.7	8
41	Discoidin Domain Receptor 1 functionally interacts with the IGF-I system in bladder cancer. <i>Matrix Biology Plus</i> , 2020, 6-7, 100022.	3.5	7
42	Cosmetics for the matrix: An attractive new style for Matrix Biology. <i>Matrix Biology</i> , 2015, 42, 8-10.	3.6	1