

Tuomas Tammela

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

12,851
citations

61984

43
h-index

144013

57
g-index

59
all docs

59
docs citations

59
times ranked

15787
citing authors

#	ARTICLE	IF	CITATIONS
1	Lymphangiogenesis: Molecular Mechanisms and Future Promise. <i>Cell</i> , 2010, 140, 460-476.	28.9	1,198
2	Lymphangiogenesis in development and human disease. <i>Nature</i> , 2005, 438, 946-953.	27.8	1,117
3	Macrophages regulate salt-dependent volume and blood pressure by a vascular endothelial growth factor-Ca ²⁺ dependent buffering mechanism. <i>Nature Medicine</i> , 2009, 15, 545-552.	30.7	835
4	Blocking VEGFR-3 suppresses angiogenic sprouting and vascular network formation. <i>Nature</i> , 2008, 454, 656-660.	27.8	731
5	The biology of vascular endothelial growth factors. <i>Cardiovascular Research</i> , 2005, 65, 550-563.	3.8	680
6	CRISPR-mediated direct mutation of cancer genes in the mouse liver. <i>Nature</i> , 2014, 514, 380-384.	27.8	673
7	VEGFs and receptors involved in angiogenesis versus lymphangiogenesis. <i>Current Opinion in Cell Biology</i> , 2009, 21, 154-165.	5.4	636
8	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. <i>Journal of Clinical Investigation</i> , 2005, 115, 247-257.	8.2	475
9	Regulatory T Cells in Tumor-Associated Tertiary Lymphoid Structures Suppress Anti-tumor T Cell Responses. <i>Immunity</i> , 2015, 43, 579-590.	14.3	360
10	Rapid modelling of cooperating genetic events in cancer through somatic genome editing. <i>Nature</i> , 2014, 516, 428-431.	27.8	353
11	Lymphatic vasculature: development, molecular regulation and role in tumor metastasis and inflammation. <i>Trends in Immunology</i> , 2004, 25, 387-395.	6.8	351
12	Pathogenesis of persistent lymphatic vessel hyperplasia in chronic airway inflammation. <i>Journal of Clinical Investigation</i> , 2005, 115, 247-257.	8.2	326
13	Therapeutic differentiation and maturation of lymphatic vessels after lymph node dissection and transplantation. <i>Nature Medicine</i> , 2007, 13, 1458-1466.	30.7	321
14	VEGFR-3 controls tip to stalk conversion at vessel fusion sites by reinforcing Notch signalling. <i>Nature Cell Biology</i> , 2011, 13, 1202-1213.	10.3	272
15	A Wnt-producing niche drives proliferative potential and progression in lung adenocarcinoma. <i>Nature</i> , 2017, 545, 355-359.	27.8	265
16	In vivo genome editing and organoid transplantation models of colorectal cancer and metastasis. <i>Nature Biotechnology</i> , 2017, 35, 569-576.	17.5	248
17	Angiopietin-1 promotes lymphatic sprouting and hyperplasia. <i>Blood</i> , 2005, 105, 4642-4648.	1.4	218
18	Small RNA combination therapy for lung cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E3553-61.	7.1	210

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19	Emergence of a High-Plasticity Cell State during Lung Cancer Evolution. <i>Cancer Cell</i> , 2020, 38, 229-246.e13.	16.8	210
20	Vascular Endothelial Growth Factor-C Accelerates Diabetic Wound Healing. <i>American Journal of Pathology</i> , 2006, 169, 1080-1087.	3.8	192
21	Effects of Angiopoietin-2-Blocking Antibody on Endothelial Cell-Cell Junctions and Lung Metastasis. <i>Journal of the National Cancer Institute</i> , 2012, 104, 461-475.	6.3	186
22	The Schlemm's canal is a VEGF-C/VEGFR-3-responsive lymphatic-like vessel. <i>Journal of Clinical Investigation</i> , 2014, 124, 3975-3986.	8.2	179
23	Distinct vascular endothelial growth factor signals for lymphatic vessel enlargement and sprouting. <i>Journal of Experimental Medicine</i> , 2007, 204, 1431-1440.	8.5	167
24	Notum produced by Paneth cells attenuates regeneration of aged intestinal epithelium. <i>Nature</i> , 2019, 571, 398-402.	27.8	166
25	VEGF-C is a trophic factor for neural progenitors in the vertebrate embryonic brain. <i>Nature Neuroscience</i> , 2006, 9, 340-348.	14.8	164
26	Growth Factor Therapy and Autologous Lymph Node Transfer in Lymphedema. <i>Circulation</i> , 2011, 123, 613-620.	1.6	163
27	Lymphangiogenic Gene Therapy With Minimal Blood Vascular Side Effects. <i>Journal of Experimental Medicine</i> , 2002, 196, 719-730.	8.5	147
28	Vascular endothelial growth factor receptor 3 directly regulates murine neurogenesis. <i>Genes and Development</i> , 2011, 25, 831-844.	5.9	145
29	Biological Basis of Therapeutic Lymphangiogenesis. <i>Circulation</i> , 2011, 123, 1335-1351.	1.6	143
30	Vascular Endothelial Growth Factor-B Acts as a Coronary Growth Factor in Transgenic Rats Without Inducing Angiogenesis, Vascular Leak, or Inflammation. <i>Circulation</i> , 2010, 122, 1725-1733.	1.6	129
31	Effective Suppression of Vascular Network Formation by Combination of Antibodies Blocking VEGFR Ligand Binding and Receptor Dimerization. <i>Cancer Cell</i> , 2010, 18, 630-640.	16.8	119
32	Molecular lymphangiogenesis: new players. <i>Trends in Cell Biology</i> , 2005, 15, 434-441.	7.9	118
33	VEGFR3 Modulates Vascular Permeability by Controlling VEGF/VEGFR2 Signaling. <i>Circulation Research</i> , 2017, 120, 1414-1425.	4.5	117
34	Notch restricts lymphatic vessel sprouting induced by vascular endothelial growth factor. <i>Blood</i> , 2011, 118, 1154-1162.	1.4	116
35	In vivo imaging of lymphatic vessels in development, wound healing, inflammation, and tumor metastasis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 6223-6228.	7.1	108
36	WNT as a Driver and Dependency in Cancer. <i>Cancer Discovery</i> , 2021, 11, 2413-2429.	9.4	108

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37	Photodynamic Ablation of Lymphatic Vessels and Intralymphatic Cancer Cells Prevents Metastasis. <i>Science Translational Medicine</i> , 2011, 3, 69ra11.	12.4	103
38	Genesis and pathogenesis of lymphatic vessels. <i>Cell and Tissue Research</i> , 2003, 314, 69-84.	2.9	89
39	Vascular endothelial growth factor gene therapy restores lymphatic flow across incision wounds. <i>FASEB Journal</i> , 2004, 18, 1707-1709.	0.5	89
40	Colonoscopy-based colorectal cancer modeling in mice with CRISPR-Cas9 genome editing and organoid transplantation. <i>Nature Protocols</i> , 2018, 13, 217-234.	12.0	74
41	Urinary detection of lung cancer in mice via noninvasive pulmonary protease profiling. <i>Science Translational Medicine</i> , 2020, 12, .	12.4	58
42	A Modular Assembly Platform for Rapid Generation of DNA Constructs. <i>Scientific Reports</i> , 2016, 6, 16836.	3.3	54
43	Vascular Endothelial Growth Factor-Angiopoietin Chimera With Improved Properties for Therapeutic Angiogenesis. <i>Circulation</i> , 2013, 127, 424-434.	1.6	53
44	Optofluidic real-time cell sorter for longitudinal CTC studies in mouse models of cancer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 2232-2236.	7.1	51
45	Investigating Tumor Heterogeneity in Mouse Models. <i>Annual Review of Cancer Biology</i> , 2020, 4, 99-119.	4.5	42
46	Essential Role of the Coxsackie - and Adenovirus Receptor (CAR) in Development of the Lymphatic System in Mice. <i>PLoS ONE</i> , 2012, 7, e37523.	2.5	41
47	Potent in vivo lung cancer Wnt signaling inhibition via cyclodextrin-LGK974 inclusion complexes. <i>Journal of Controlled Release</i> , 2018, 290, 75-87.	9.9	35
48	Distinct Architecture of Lymphatic Vessels Induced by Chimeric Vascular Endothelial Growth Factor-C/Vascular Endothelial Growth Factor Heparin-Binding Domain Fusion Proteins. <i>Circulation Research</i> , 2007, 100, 1468-1475.	4.5	34
49	Growth factor therapy and lymph node graft for lymphedema. <i>Journal of Surgical Research</i> , 2015, 196, 200-207.	1.6	31
50	Comparison of vascular growth factors in the murine brain reveals placenta growth factor as prime candidate for CNS revascularization. <i>Blood</i> , 2013, 122, 658-665.	1.4	30
51	Exercise and immunometabolic regulation in cancer. <i>Nature Metabolism</i> , 2020, 2, 849-857.	11.9	25
52	Ligand oligomerization state controls Tie2 receptor trafficking and Angiopoietin-2 ligand-specific responses. <i>Journal of Cell Science</i> , 2012, 125, 2212-23.	2.0	24
53	Cellular and molecular mechanisms of plasticity in cancer. <i>Trends in Cancer</i> , 2022, 8, 735-746.	7.4	24
54	Expression of R-Spondin 1 in Apc Mice Suppresses Growth of Intestinal Adenomas by Altering Wnt and Transforming Growth Factor Beta Signaling. <i>Gastroenterology</i> , 2021, 160, 245-259.	1.3	21

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55	Enhanced Capillary Formation Stimulated by a Chimeric Vascular Endothelial Growth Factor/Vascular Endothelial Growth Factor-C Silk Domain Fusion Protein. <i>Circulation Research</i> , 2007, 100, 1460-1467.	4.5	13
56	Unbiased in vivo preclinical evaluation of anticancer drugs identifies effective therapy for the treatment of pancreatic adenocarcinoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30670-30678.	7.1	11
57	Yet another function for hepatocyte growth factor. <i>Blood</i> , 2006, 107, 3424-3425.	1.4	3
58	Response to Letter Regarding Article, "Biological Basis of Therapeutic Lymphangiogenesis". <i>Circulation</i> , 2011, 124, .	1.6	0
59	A MASCOT for mosaic analysis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 30876-30878.	7.1	0