

# Tambet Teesalu

## List of Publications by Year in descending order

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Version: 2024-02-01

92  
papers

9,204  
citations

71102

41  
h-index

45317

90  
g-index

103  
all docs

103  
docs citations

103  
times ranked

12564  
citing authors

#	ARTICLE	IF	CITATIONS
1	Neuropilin-1 facilitates SARS-CoV-2 cell entry and infectivity. <i>Science</i> , 2020, 370, 856-860.	12.6	1,441
2	Neuropilin-1 is a host factor for SARS-CoV-2 infection. <i>Science</i> , 2020, 370, 861-865.	12.6	1,015
3	Tissue-Penetrating Delivery of Compounds and Nanoparticles into Tumors. <i>Cancer Cell</i> , 2009, 16, 510-520.	16.8	967
4	Coadministration of a Tumor-Penetrating Peptide Enhances the Efficacy of Cancer Drugs. <i>Science</i> , 2010, 328, 1031-1035.	12.6	926
5	C-end rule peptides mediate neuropilin-1-dependent cell, vascular, and tissue penetration. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 16157-16162.	7.1	674
6	Antibiotic-loaded nanoparticles targeted to the site of infection enhance antibacterial efficacy. <i>Nature Biomedical Engineering</i> , 2018, 2, 95-103.	22.5	278
7	A high-throughput label-free nanoparticle analyser. <i>Nature Nanotechnology</i> , 2011, 6, 308-313.	31.5	191
8	Tumor-Penetrating Peptides. <i>Frontiers in Oncology</i> , 2013, 3, 216.	2.8	161
9	An endocytosis pathway initiated through neuropilin-1 and regulated by nutrient availability. <i>Nature Communications</i> , 2014, 5, 4904.	12.8	156
10	Etchable plasmonic nanoparticle probes to image and quantify cellular internalization. <i>Nature Materials</i> , 2014, 13, 904-911.	27.5	156
11	<i>De Novo</i> Design of a Tumor-Penetrating Peptide. <i>Cancer Research</i> , 2013, 73, 804-812.	0.9	154
12	A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries. <i>Nature Communications</i> , 2016, 7, 11980.	12.8	138
13	Precision Targeting of Tumor Macrophages with a CD206 Binding Peptide. <i>Scientific Reports</i> , 2017, 7, 14655.	3.3	125
14	iRGD peptide conjugation potentiates intraperitoneal tumor delivery of paclitaxel with polymersomes. <i>Biomaterials</i> , 2016, 104, 247-257.	11.4	123
15	Tumor-homing peptides as tools for targeted delivery of payloads to the placenta. <i>Science Advances</i> , 2016, 2, e1600349.	10.3	119
16	Tumor-Penetrating iRGD Peptide Inhibits Metastasis. <i>Molecular Cancer Therapeutics</i> , 2015, 14, 120-128.	4.1	99
17	Mapping of Vascular ZIP Codes by Phage Display. <i>Methods in Enzymology</i> , 2012, 503, 35-56.	1.0	86
18	Coordinated Induction of Extracellular Proteolysis Systems During Experimental Autoimmune Encephalomyelitis in Mice. <i>American Journal of Pathology</i> , 2001, 159, 2227-2237.	3.8	81

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19	Tumor-Penetrating Nanosystem Strongly Suppresses Breast Tumor Growth. <i>Nano Letters</i> , 2017, 17, 1356-1364.	9.1	79
20	Tissue plasminogen activator and neuroserpin are widely expressed in the human central nervous system. <i>Thrombosis and Haemostasis</i> , 2004, 92, 358-368.	3.4	76
21	Selective Targeting of a Novel Vasodilator to the Uterine Vasculature to Treat Impaired Uteroplacental Perfusion in Pregnancy. <i>Theranostics</i> , 2017, 7, 3715-3731.	10.0	76
22	New p32/gC1qR Ligands for Targeted Tumor Drug Delivery. <i>ChemBioChem</i> , 2016, 17, 570-575.	2.6	75
23	Embryo implantation in mouse: fetomaternal coordination in the pattern of expression of uPA, uPAR, PAI-1 and $\beta$ 2MRLRP genes. <i>Mechanisms of Development</i> , 1996, 56, 103-116.	1.7	74
24	Peptide-guided resiquimod-loaded lignin nanoparticles convert tumor-associated macrophages from M2 to M1 phenotype for enhanced chemotherapy. <i>Acta Biomaterialia</i> , 2021, 133, 231-243.	8.3	72
25	Competition of charge-mediated and specific binding by peptide-tagged cationic liposome-DNA nanoparticles in <i>in vitro</i> and <i>in vivo</i> . <i>Biomaterials</i> , 2018, 166, 52-63.	11.4	70
26	Paclitaxel-Loaded Polymersomes for Enhanced Intraperitoneal Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 670-679.	4.1	68
27	Epithelial V-like Antigen (EVA), a Novel Member of the Immunoglobulin Superfamily, Expressed in Embryonic Epithelia with a Potential Role as Homotypic Adhesion Molecule in Thymus Histogenesis. <i>Journal of Cell Biology</i> , 1998, 141, 1061-1071.	5.2	62
28	A tumor-penetrating peptide enhances circulation-independent targeting of peritoneal carcinomatosis. <i>Journal of Controlled Release</i> , 2015, 212, 59-69.	9.9	62
29	Cationic Liposomes as Vectors for Nucleic Acid and Hydrophobic Drug Therapeutics. <i>Pharmaceutics</i> , 2021, 13, 1365.	4.5	61
30	Peptide-guided nanoparticles for glioblastoma targeting. <i>Journal of Controlled Release</i> , 2019, 308, 109-118.	9.9	60
31	Sequence dependence of C-end rule peptides in binding and activation of neuropilin-1 receptor. <i>Journal of Structural Biology</i> , 2013, 182, 78-86.	2.8	58
32	Selection of phage-displayed peptides on live adherent cells in microfluidic channels. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 6909-6914.	7.1	57
33	Targeting of p32 in peritoneal carcinomatosis with intraperitoneal linTT1 peptide-guided pro-apoptotic nanoparticles. <i>Journal of Controlled Release</i> , 2017, 260, 142-153.	9.9	57
34	A free cysteine prolongs the half-life of a homing peptide and improves its tumor-penetrating activity. <i>Journal of Controlled Release</i> , 2014, 175, 48-53.	9.9	56
35	Application of a Proapoptotic Peptide to Intratumorally Spreading Cancer Therapy. <i>Cancer Research</i> , 2013, 73, 1352-1361.	0.9	55
36	Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease. <i>Nature Communications</i> , 2017, 8, 1403.	12.8	54

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37	Ultrasound molecular imaging of tumor angiogenesis with a neuropilin-1-targeted microbubble. <i>Biomaterials</i> , 2015, 56, 104-113.	11.4	51
38	Urokinase-controlled tumor penetrating peptide. <i>Journal of Controlled Release</i> , 2016, 232, 188-195.	9.9	46
39	Dual regulation by heat and nutrient stress of the yeast HSP150 gene encoding a secretory glycoprotein. <i>Molecular Genetics and Genomics</i> , 1993, 239, 273-280.	2.4	45
40	LinTT1 peptide-functionalized liposomes for targeted breast cancer therapy. <i>International Journal of Pharmaceutics</i> , 2021, 597, 120346.	5.2	45
41	Merlin Links to the cAMP Neuronal Signaling Pathway by Anchoring the R112 Subunit of Protein Kinase A. <i>Journal of Biological Chemistry</i> , 2003, 278, 41167-41172.	3.4	44
42	A Virus-Mimicking pH-Responsive Acetalated Dextran-Based Membrane-Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics. <i>Advanced Functional Materials</i> , 2019, 29, 1905352.	14.9	43
43	Dual-peptide functionalized acetalated dextran-based nanoparticles for sequential targeting of macrophages during myocardial infarction. <i>Nanoscale</i> , 2020, 12, 2350-2358.	5.6	42
44	Characterization of the NF2 protein merlin and the ERM protein ezrin in human, rat, and mouse central nervous system. <i>Molecular and Cellular Neurosciences</i> , 2005, 28, 683-693.	2.2	41
45	Bi-specific tenascin-C and fibronectin targeted peptide for solid tumor delivery. <i>Biomaterials</i> , 2019, 219, 119373.	11.4	39
46	Tumor-penetrating peptide for systemic targeting of Tenascin-C. <i>Scientific Reports</i> , 2020, 10, 5809.	3.3	39
47	Application of polymersomes engineered to target p32 protein for detection of small breast tumors in mice. <i>Oncotarget</i> , 2018, 9, 18682-18697.	1.8	39
48	Tumor-penetrating therapy for $\alpha 5$ integrin-rich pancreas cancer. <i>Nature Communications</i> , 2021, 12, 1541.	12.8	37
49	Targeted silver nanoparticles for ratiometric cell phenotyping. <i>Nanoscale</i> , 2016, 8, 9096-9101.	5.6	33
50	Synthesis of linear and cyclic peptide-PEG-lipids for stabilization and targeting of cationic liposome-DNA complexes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1618-1623.	2.2	32
51	Reprogramming Human Retinal Pigmented Epithelial Cells to Neurons Using Recombinant Proteins. <i>Stem Cells Translational Medicine</i> , 2014, 3, 1526-1534.	3.3	31
52	Rab11 and LysoTracker Markers Reveal Correlation between Endosomal Pathways and Transfection Efficiency of Surface-Functionalized Cationic Liposome-DNA Nanoparticles. <i>Journal of Physical Chemistry B</i> , 2016, 120, 6439-6453.	2.6	29
53	Peritoneal Carcinomatosis Targeting with Tumor Homing Peptides. <i>Molecules</i> , 2018, 23, 1190.	3.8	27
54	Proteasome activator complex PA28 identified as an accessible target in prostate cancer by in vivo selection of human antibodies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 13791-13796.	7.1	26

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55	Targeting Pro-Tumoral Macrophages in Early Primary and Metastatic Breast Tumors with the CD206-Binding mUNO Peptide. <i>Molecular Pharmaceutics</i> , 2020, 17, 2518-2531.	4.6	26
56	P32-specific CAR T cells with dual antitumor and antiangiogenic therapeutic potential in gliomas. <i>Nature Communications</i> , 2021, 12, 3615.	12.8	25
57	A widespread viral entry mechanism: The C-end Rule motifâ€œneuropilin receptor interaction. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	25
58	The establishment of a network of European human research tissue banks. <i>Cell and Tissue Banking</i> , 2002, 3, 133-137.	1.1	23
59	The Non-Peptidic Part Determines the Internalization Mechanism and Intracellular Trafficking of Peptide Amphiphiles. <i>PLoS ONE</i> , 2013, 8, e54611.	2.5	23
60	Hyaluronan-binding peptide for targeting peritoneal carcinomatosis. <i>Tumor Biology</i> , 2017, 39, 101042831770162.	1.8	21
61	<i>In vivo</i> phage display: identification of organ-specific peptides using deep sequencing and differential profiling across tissues. <i>Nucleic Acids Research</i> , 2021, 49, e38-e38.	14.5	21
62	Homing Peptides for Cancer Therapy. <i>Advances in Experimental Medicine and Biology</i> , 2021, 1295, 29-48.	1.6	21
63	Phage-Display-Derived Peptide Binds to Human CD206 and Modeling Reveals a New Binding Site on the Receptor. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1973-1982.	2.6	18
64	The Production of Plasma Activated Water in Controlled Ambient Gases and its Impact on Cancer Cell Viability. <i>Plasma Chemistry and Plasma Processing</i> , 2021, 41, 1381-1395.	2.4	18
65	Exposed CendR Domain in Homing Peptide Yields Skin-Targeted Therapeutic in Epidermolysis Bullosa. <i>Molecular Therapy</i> , 2020, 28, 1833-1845.	8.2	17
66	ESCP1 mediates retrograde endosomal sorting of the SARS-CoV-2 host factor Neuropilin-1. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, .	7.1	17
67	Analysis of the TP53 gene in laser-microdissected glioblastoma vasculature. <i>Acta Neuropathologica</i> , 2003, 105, 328-332.	7.7	16
68	<i>EFA6A</i> encodes two isoforms with distinct biological activities in neuronal cells. <i>Journal of Cell Science</i> , 2009, 122, 2108-2118.	2.0	14
69	Bifunctional Therapeutic Peptides for Targeting Malignant B Cells and Hepatocytes: Proof of Concept in Chronic Lymphocytic Leukemia. <i>Advanced Therapeutics</i> , 2020, 3, 2000131.	3.2	13
70	Targeted Delivery of Epidermal Growth Factor to the Human Placenta to Treat Fetal Growth Restriction. <i>Pharmaceutics</i> , 2021, 13, 1778.	4.5	12
71	Ratiometric <i>in vivo</i> auditing of targeted silver nanoparticles. <i>Nanoscale</i> , 2017, 9, 10094-10100.	5.6	11
72	IGF signalling and endocytosis in the human villous placenta in early pregnancy as revealed by comparing quantum dot conjugates with a soluble ligand. <i>Nanoscale</i> , 2019, 11, 12285-12295.	5.6	11

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73	Tumor Penetrating Peptide-Functionalized Tenascin-C Antibody for Glioblastoma Targeting. <i>Current Cancer Drug Targets</i> , 2021, 21, 70-79.	1.6	11
74	Expression pattern of the epithelial V-like antigen (Eva) transcript suggests a possible role in placental morphogenesis. , 1998, 23, 317-323.		10
75	Novel Anthracycline Utorubicin for Cancer Therapy. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17018-17027.	13.8	10
76	Trophoblast giant cells express NF- $\kappa$ B2 during early mouse development. <i>Genesis</i> , 1999, 25, 23-30.	2.1	9
77	A novel CNS-homing peptide for targeting neuroinflammatory lesions in experimental autoimmune encephalomyelitis. <i>Molecular and Cellular Probes</i> , 2020, 51, 101530.	2.1	9
78	Silver Nanocarriers Targeted with a CendR Peptide Potentiate the Cytotoxic Activity of an Anticancer Drug. <i>Advanced Therapeutics</i> , 2021, 4, 2000097.	3.2	9
79	Homing Peptide-Based Targeting of Tenascin-C and Fibronectin in Endometriosis. <i>Nanomaterials</i> , 2021, 11, 3257.	4.1	9
80	Hierarchical Nanostructuring of Porous Silicon with Electrochemical and Regenerative Electroless Etching. <i>ACS Nano</i> , 2019, 13, 13056-13064.	14.6	8
81	Bi-Functional Peptides as a New Therapeutic Tool for Hepatocellular Carcinoma. <i>Pharmaceutics</i> , 2021, 13, 1631.	4.5	8
82	Vascular changes in tumors resistant to a vascular disrupting nanoparticle treatment. <i>Journal of Controlled Release</i> , 2017, 268, 49-56.	9.9	7
83	PL1 Peptide Engages Acidic Surfaces on Tumor-Associated Fibronectin and Tenascin Isoforms to Trigger Cellular Uptake. <i>Pharmaceutics</i> , 2021, 13, 1998.	4.5	5
84	New Tools for Streamlined In Vivo Homing Peptide Identification. <i>Methods in Molecular Biology</i> , 2022, 2383, 385-412.	0.9	4
85	Novel Anthracycline Utorubicin for Cancer Therapy. <i>Angewandte Chemie</i> , 2021, 133, 17155-17164.	2.0	3
86	Preclinical Validation of Tumor-Penetrating and Interfering Peptides against Chronic Lymphocytic Leukemia. <i>Molecular Pharmaceutics</i> , 2022, 19, 895-903.	4.6	3
87	DDEL-19PENETRATION OF HOMING PEPTIDE-FUNCTIONALIZED NANOPARTICLES TO GLIOMA SPHEROIDS IN VITRO. <i>Neuro-Oncology</i> , 2015, 17, v77.3-v77.	1.2	1
88	Antitumor Therapeutics: A Virus-Mimicking pH-Responsive Acetalated Dextran-Based Membrane-Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics ( <i>Adv. Funct. Mater.</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 13		1
89	RÅ¼cktitelbild: Novel Anthracycline Utorubicin for Cancer Therapy ( <i>Angew. Chem.</i> 31/2021). <i>Angewandte Chemie</i> , 2021, 133, 17360-17360.	2.0	1
90	Editorial on Special Issue â€œPrecision Delivery of Drugs and Imaging Agents with Peptidesâ€. <i>Pharmaceutics</i> , 2022, 14, 486.	4.5	1

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91	ATPS-87DEVELOPMENT AND IN VIVO VALIDATION OF BLOOD-BRAIN BARRIER TARGETING PEPTIDES. Neuro-Oncology, 2015, 17, v37.4-v37.	1.2	0
92	Impact of Ambient Gas Composition of Argon Plasma Jet on Pam Composition and Cancer Cell Viability. , 2020, , .		0