Tambet Teesalu

List of Publications by Year
in descending order

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92	9,204	81434 41	51423 90
papers	citations	h-index	g-index

103	103	103	13844
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	New Tools for Streamlined In Vivo Homing Peptide Identification. Methods in Molecular Biology, 2022, 2383, 385-412.	0.4	4
2	Preclinical Validation of Tumor-Penetrating and Interfering Peptides against Chronic Lymphocytic Leukemia. Molecular Pharmaceutics, 2022, 19, 895-903.	2.3	3
3	Editorial on Special Issue â€œPrecision Delivery of Drugs and Imaging Agents with Peptidesâ€. Pharmaceutics, 2022, 14, 486.	2.0	1
4	ESCPE-1 mediates retrograde endosomal sorting of the SARS-CoV-2 host factor Neuropilin-1. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	3.3	17
5	Peptide-guided resiquimod-loaded lignin nanoparticles convert tumor-associated macrophages from M2 to M1 phenotype for enhanced chemotherapy. Acta Biomaterialia, 2021, 133, 231-243.	4.1	72
6	Silver Nanocarriers Targeted with a CendR Peptide Potentiate the Cytotoxic Activity of an Anticancer Drug. Advanced Therapeutics, 2021, 4, 2000097.	1.6	9
7	In vivo phage display: identification of organ-specific peptides using deep sequencing and differential profiling across tissues. Nucleic Acids Research, 2021, 49, e38-e38.	6.5	21
8	Tumor-penetrating therapy for Î²5 integrin-rich pancreas cancer. Nature Communications, 2021, 12, 1541.	5.8	37
9	LinTT1 peptide-functionalized liposomes for targeted breast cancer therapy. International Journal of Pharmaceutics, 2021, 597, 120346.	2.6	45
10	RÃ¼cktitelbild: Novel Anthracycline Utorubicin for Cancer Therapy (Angew. Chem. 31/2021). Angewandte Chemie, 2021, 133, 17360-17360.	1.6	1
11	The Production of Plasma Activated Water in Controlled Ambient Gases and its Impact on Cancer Cell Viability. Plasma Chemistry and Plasma Processing, 2021, 41, 1381-1395.	1.1	18
12	Novel Anthracycline Utorubicin for Cancer Therapy. Angewandte Chemie - International Edition, 2021, 60, 17018-17027.	7.2	10
13	Novel Anthracycline Utorubicin for Cancer Therapy. Angewandte Chemie, 2021, 133, 17155-17164.	1.6	3
14	P32-specific CAR T cells with dual antitumor and antiangiogenic therapeutic potential in gliomas. Nature Communications, 2021, 12, 3615.	5.8	25
15	Cationic Liposomes as Vectors for Nucleic Acid and Hydrophobic Drug Therapeutics. Pharmaceutics, 2021, 13, 1365.	2.0	61
16	Homing Peptides for Cancer Therapy. Advances in Experimental Medicine and Biology, 2021, 1295, 29-48.	0.8	21
17	Tumor Penetrating Peptide-Functionalized Tenascin-C Antibody for Glioblastoma Targeting. Current Cancer Drug Targets, 2021, 21, 70-79.	0.8	11
18	Targeted Delivery of Epidermal Growth Factor to the Human Placenta to Treat Fetal Growth Restriction. Pharmaceutics, 2021, 13, 1778.	2.0	12

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19	Bi-Functional Peptides as a New Therapeutic Tool for Hepatocellular Carcinoma. Pharmaceutics, 2021, 13, 1631.	2.0	8
20	Homing Peptide-Based Targeting of Tenascin-C and Fibronectin in Endometriosis. Nanomaterials, 2021, 11, 3257.	1.9	9
21	PL1 Peptide Engages Acidic Surfaces on Tumor-Associated Fibronectin and Tenascin Isoforms to Trigger Cellular Uptake. Pharmaceutics, 2021, 13, 1998.	2.0	5
22	A widespread viral entry mechanism: The C-end Rule motifâ€“neuropilin receptor interaction. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	25
23	Dual-peptide functionalized acetalated dextran-based nanoparticles for sequential targeting of macrophages during myocardial infarction. Nanoscale, 2020, 12, 2350-2358.	2.8	42
24	Neuropilin-1 facilitates SARS-CoV-2 cell entry and infectivity. Science, 2020, 370, 856-860.	6.0	1,441
25	Neuropilin-1 is a host factor for SARS-CoV-2 infection. Science, 2020, 370, 861-865.	6.0	1,015
26	Bifunctional Therapeutic Peptides for Targeting Malignant B Cells and Hepatocytes: Proof of Concept in Chronic Lymphocytic Leukemia. Advanced Therapeutics, 2020, 3, 2000131.	1.6	13
27	Targeting Pro-Tumoral Macrophages in Early Primary and Metastatic Breast Tumors with the CD206-Binding mUNO Peptide. Molecular Pharmaceutics, 2020, 17, 2518-2531.	2.3	26
28	Exposed CendR Domain in Homing Peptide Yields Skin-Targeted Therapeutic in Epidermolysis Bullosa. Molecular Therapy, 2020, 28, 1833-1845.	3.7	17
29	A novel CNS-homing peptide for targeting neuroinflammatory lesions in experimental autoimmune encephalomyelitis. Molecular and Cellular Probes, 2020, 51, 101530.	0.9	9
30	Tumor-penetrating peptide for systemic targeting of Tenascin-C. Scientific Reports, 2020, 10, 5809.	1.6	39
31	Impact of Ambient Gas Composition of Argon Plasma Jet on Pam Composition and Cancer Cell Viability. , 2020, , .		0
32	Bi-specific tenascin-C and fibronectin targeted peptide for solid tumor delivery. Biomaterials, 2019, 219, 119373.	5.7	39
33	Peptide-guided nanoparticles for glioblastoma targeting. Journal of Controlled Release, 2019, 308, 109-118.	4.8	60
34	A Virusâ€Mimicking pHâ€Responsive Acetalated Dextranâ€Based Membraneâ€Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics. Advanced Functional Materials, 2019, 29, 1905352.	7.8	43
35	Hierarchical Nanostructuring of Porous Silicon with Electrochemical and Regenerative Electroless Etching. ACS Nano, 2019, 13, 13056-13064.	7.3	8
36	IGF signalling and endocytosis in the human villous placenta in early pregnancy as revealed by comparing quantum dot conjugates with a soluble ligand. Nanoscale, 2019, 11, 12285-12295.	2.8	11

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37	Phage-Display-Derived Peptide Binds to Human CD206 and Modeling Reveals a New Binding Site on the Receptor. Journal of Physical Chemistry B, 2019, 123, 1973-1982.	1.2	18
38	Antitumor Therapeutics: A Virusâ€Mimicking pHâ€Responsive Acetalated Dextranâ€Based Membraneâ€Active Polymeric Nanoparticle for Intracellular Delivery of Antitumor Therapeutics (Adv. Funct. Mater.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 69	0.8	10
39	Competition of charge-mediated and specific binding by peptide-tagged cationic liposomeâ€“DNA nanoparticles inÂvitro and inÂvivo. Biomaterials, 2018, 166, 52-63.	5.7	70
40	Antibiotic-loaded nanoparticles targeted to the site of infection enhance antibacterial efficacy. Nature Biomedical Engineering, 2018, 2, 95-103.	11.6	278
41	Peritoneal Carcinomatosis Targeting with Tumor Homing Peptides. Molecules, 2018, 23, 1190.	1.7	27
42	Application of polymersomes engineered to target p32 protein for detection of small breast tumors in mice. Oncotarget, 2018, 9, 18682-18697.	0.8	39
43	Tumor-Penetrating Nanosystem Strongly Suppresses Breast Tumor Growth. Nano Letters, 2017, 17, 1356-1364.	4.5	79
44	Hyaluronan-binding peptide for targeting peritoneal carcinomatosis. Tumor Biology, 2017, 39, 101042831770162.	0.8	21
45	Targeting of p32 in peritoneal carcinomatosis with intraperitoneal linTT1 peptide-guided pro-apoptotic nanoparticles. Journal of Controlled Release, 2017, 260, 142-153.	4.8	57
46	Vascular changes in tumors resistant to a vascular disrupting nanoparticle treatment. Journal of Controlled Release, 2017, 268, 49-56.	4.8	7
47	Precision Targeting of Tumor Macrophages with a CD206 Binding Peptide. Scientific Reports, 2017, 7, 14655.	1.6	125
48	Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimerâ€™s disease. Nature Communications, 2017, 8, 1403.	5.8	54
49	Ratiometric in vivo auditioning of targeted silver nanoparticles. Nanoscale, 2017, 9, 10094-10100.	2.8	11
50	Selective Targeting of a Novel Vasodilator to the Uterine Vasculature to Treat Impaired Uteroplacental Perfusion in Pregnancy. Theranostics, 2017, 7, 3715-3731.	4.6	76
51	Rab11 and Lysotracker Markers Reveal Correlation between Endosomal Pathways and Transfection Efficiency of Surface-Functionalized Cationic Liposomeâ€“DNA Nanoparticles. Journal of Physical Chemistry B, 2016, 120, 6439-6453.	1.2	29
52	Paclitaxel-Loaded Polymersomes for Enhanced Intraperitoneal Chemotherapy. Molecular Cancer Therapeutics, 2016, 15, 670-679.	1.9	68
53	Urokinase-controlled tumor penetrating peptide. Journal of Controlled Release, 2016, 232, 188-195.	4.8	46
54	Tumor-homing peptides as tools for targeted delivery of payloads to the placenta. Science Advances, 2016, 2, e1600349.	4.7	119

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55	iRGD peptide conjugation potentiates intraperitoneal tumor delivery of paclitaxel with polymersomes. Biomaterials, 2016, 104, 247-257.	5.7	123
56	A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries. Nature Communications, 2016, 7, 11980.	5.8	138
57	New p32/gC1qR Ligands for Targeted Tumor Drug Delivery. ChemBioChem, 2016, 17, 570-575.	1.3	75
58	Targeted silver nanoparticles for ratiometric cell phenotyping. Nanoscale, 2016, 8, 9096-9101.	2.8	33
59	Synthesis of linear and cyclic peptideâ€“PEGâ€“lipids for stabilization and targeting of cationic liposomeâ€“DNA complexes. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1618-1623.	1.0	32
60	DDEL-19PENETRATION OF HOMING PEPTIDE-FUNCTIONALIZED NANOPARTICLES TO GLIOMA SPHEROIDS IN VITRO. Neuro-Oncology, 2015, 17, v77.3-v77.	0.6	1
61	ATPS-87DEVELOPMENT AND IN VIVO VALIDATION OF BLOOD-BRAIN BARRIER TARGETING PEPTIDES. Neuro-Oncology, 2015, 17, v37.4-v37.	0.6	0
62	A tumor-penetrating peptide enhances circulation-independent targeting of peritoneal carcinomatosis. Journal of Controlled Release, 2015, 212, 59-69.	4.8	62
63	Ultrasound molecular imaging of tumor angiogenesis with a neuropilin-1-targeted microbubble. Biomaterials, 2015, 56, 104-113.	5.7	51
64	Tumor-Penetrating iRGD Peptide Inhibits Metastasis. Molecular Cancer Therapeutics, 2015, 14, 120-128.	1.9	99
65	Reprogramming Human Retinal Pigmented Epithelial Cells to Neurons Using Recombinant Proteins. Stem Cells Translational Medicine, 2014, 3, 1526-1534.	1.6	31
66	A free cysteine prolongs the half-life of a homing peptide and improves its tumor-penetrating activity. Journal of Controlled Release, 2014, 175, 48-53.	4.8	56
67	An endocytosis pathway initiated through neuropilin-1 and regulated by nutrient availability. Nature Communications, 2014, 5, 4904.	5.8	156
68	Etchable plasmonic nanoparticle probes to image and quantify cellular internalization. Nature Materials, 2014, 13, 904-911.	13.3	156
69	Sequence dependence of C-end rule peptides in binding and activation of neuropilin-1 receptor. Journal of Structural Biology, 2013, 182, 78-86.	1.3	58
70	Application of a Proapoptotic Peptide to Intratumorally Spreading Cancer Therapy. Cancer Research, 2013, 73, 1352-1361.	0.4	55
71	De Novo Design of a Tumor-Penetrating Peptide. Cancer Research, 2013, 73, 804-812.	0.4	154
72	Tumor-Penetrating Peptides. Frontiers in Oncology, 2013, 3, 216.	1.3	161

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73	Proteasome activator complex PA28 identified as an accessible target in prostate cancer by in vivo selection of human antibodies. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 13791-13796.	3.3	26
74	The Non-Peptidic Part Determines the Internalization Mechanism and Intracellular Trafficking of Peptide Amphiphiles. PLoS ONE, 2013, 8, e54611.	1.1	23
75	Mapping of Vascular ZIP Codes by Phage Display. Methods in Enzymology, 2012, 503, 35-56.	0.4	86
76	A high-throughput label-free nanoparticle analyser. Nature Nanotechnology, 2011, 6, 308-313.	15.6	191
77	Selection of phage-displayed peptides on live adherent cells in microfluidic channels. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6909-6914.	3.3	57
78	Coadministration of a Tumor-Penetrating Peptide Enhances the Efficacy of Cancer Drugs. Science, 2010, 328, 1031-1035.	6.0	926
79	C-end rule peptides mediate neuropilin-1-dependent cell, vascular, and tissue penetration. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 16157-16162.	3.3	674
80	EFA6A encodes two isoforms with distinct biological activities in neuronal cells. Journal of Cell Science, 2009, 122, 2108-2118.	1.2	14
81	Tissue-Penetrating Delivery of Compounds and Nanoparticles into Tumors. Cancer Cell, 2009, 16, 510-520.	7.7	967
82	Characterization of the NF2 protein merlin and the ERM protein ezrin in human, rat, and mouse central nervous system. Molecular and Cellular Neurosciences, 2005, 28, 683-693.	1.0	41
83	Tissue plasminogen activator and neuroserpin are widely expressed in the human central nervous system. Thrombosis and Haemostasis, 2004, 92, 358-368.	1.8	76
84	Analysis of the TP53 gene in laser-microdissected glioblastoma vasculature. Acta Neuropathologica, 2003, 105, 328-332.	3.9	16
85	Merlin Links to the cAMP Neuronal Signaling Pathway by Anchoring the RÍ² Subunit of Protein Kinase A. Journal of Biological Chemistry, 2003, 278, 41167-41172.	1.6	44
86	The establishment of a network of European human research tissue banks. Cell and Tissue Banking, 2002, 3, 133-137.	0.5	23
87	Coordinated Induction of Extracellular Proteolysis Systems During Experimental Autoimmune Encephalomyelitis in Mice. American Journal of Pathology, 2001, 159, 2227-2237.	1.9	81
88	Trophoblast giant cells express NF-?B2 during early mouse development. Genesis, 1999, 25, 23-30.	3.1	9
89	Expression pattern of the epithelial V-like antigen (Eva) transcript suggests a possible role in placental morphogenesis. , 1998, 23, 317-323.		10
90	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. Journal of Cell Biology, 1998, 141, 1061-1071.	2.3	62

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91	Embryo implantation in mouse: fetomaternal coordination in the pattern of expression of uPA, uPAR, PAI-1 and Î±2MRLRP genes. Mechanisms of Development, 1996, 56, 103-116.	1.7	74
92	Dual regulation by heat and nutrient stress of the yeast HSP150 gene encoding a secretory glycoprotein. Molecular Genetics and Genomics, 1993, 239, 273-280.	2.4	45