

Erkki Ruoslahti

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71
papers

10,104
citations

43
h-index

77
g-index

77
ext. papers

11,319
ext. citations

13.6
avg, IF

6.38
L-index

#	Paper	IF	Citations
71	Tissue-penetrating delivery of compounds and nanoparticles into tumors. <i>Cancer Cell</i> , 2009 , 16, 510-20	24.3	820
70	Coadministration of a tumor-penetrating peptide enhances the efficacy of cancer drugs. <i>Science</i> , 2010 , 328, 1031-5	33.3	796
69	Anti-cancer activity of targeted pro-apoptotic peptides. <i>Nature Medicine</i> , 1999 , 5, 1032-8	50.5	752
68	Targeting of drugs and nanoparticles to tumors. <i>Journal of Cell Biology</i> , 2010 , 188, 759-68	7.3	688
67	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, 16157-62	11.5	541
66	Magnetic Iron Oxide Nanoworms for Tumor Targeting and Imaging. <i>Advanced Materials</i> , 2008 , 20, 1630-1635	16.5	471
65	A tumor-homing peptide with a targeting specificity related to lymphatic vessels. <i>Nature Medicine</i> , 2002 , 8, 751-5	50.5	398
64	Biomimetic amplification of nanoparticle homing to tumors. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007 , 104, 932-6	11.5	385
63	Peptides as targeting elements and tissue penetration devices for nanoparticles. <i>Advanced Materials</i> , 2012 , 24, 3747-56	24	311
62	Targeted nanoparticle enhanced proapoptotic peptide as potential therapy for glioblastoma. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 17450-5	11.5	273
61	Mitochondrial/cell-surface protein p32/gC1qR as a molecular target in tumor cells and tumor stroma. <i>Cancer Research</i> , 2008 , 68, 7210-8	10.1	257
60	Targeting the prostate for destruction through a vascular address. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002 , 99, 1527-31	11.5	255
59	Isolation of high-affinity peptide antagonists of 14-3-3 proteins by phage display. <i>Biochemistry</i> , 1999 , 38, 12499-504	3.2	247
58	Tumor penetrating peptides for improved drug delivery. <i>Advanced Drug Delivery Reviews</i> , 2017 , 110-111, 3-12	18.5	240
57	Systematic surface engineering of magnetic nanoworms for in vivo tumor targeting. <i>Small</i> , 2009 , 5, 694-700	7.0	238
56	Antitumor activity of a homing peptide that targets tumor lymphatics and tumor cells. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 9381-6	11.5	222
55	Stage-specific vascular markers revealed by phage display in a mouse model of pancreatic islet tumorigenesis. <i>Cancer Cell</i> , 2003 , 4, 393-403	24.3	208

54	Targeting of albumin-embedded paclitaxel nanoparticles to tumors. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2009 , 5, 73-82	6	186
53	Antibiotic-loaded nanoparticles targeted to the site of infection enhance antibacterial efficacy. <i>Nature Biomedical Engineering</i> , 2018 , 2, 95-103	19	177
52	Etchable plasmonic nanoparticle probes to image and quantify cellular internalization. <i>Nature Materials</i> , 2014 , 13, 904-11	27	131
51	Nanoparticle-induced vascular blockade in human prostate cancer. <i>Blood</i> , 2010 , 116, 2847-56	2.2	130
50	An endocytosis pathway initiated through neuropilin-1 and regulated by nutrient availability. <i>Nature Communications</i> , 2014 , 5, 4904	17.4	114
49	Self-Sealing Porous Silicon-Calcium Silicate Core-Shell Nanoparticles for Targeted siRNA Delivery to the Injured Brain. <i>Advanced Materials</i> , 2016 , 28, 7962-7969	24	99
48	A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries. <i>Nature Communications</i> , 2016 , 7, 11980	17.4	97
47	Gated Luminescence Imaging of Silicon Nanoparticles. <i>ACS Nano</i> , 2015 , 9, 6233-41	16.7	97
46	iRGD peptide conjugation potentiates intraperitoneal tumor delivery of paclitaxel with polymersomes. <i>Biomaterials</i> , 2016 , 104, 247-57	15.6	96
45	Precision Targeting of Tumor Macrophages with a CD206 Binding Peptide. <i>Scientific Reports</i> , 2017 , 7, 14655	4.9	92
44	Tumor-homing peptides as tools for targeted delivery of payloads to the placenta. <i>Science Advances</i> , 2016 , 2, e1600349	14.3	80
43	Tumor-penetrating iRGD peptide inhibits metastasis. <i>Molecular Cancer Therapeutics</i> , 2015 , 14, 120-8	6.1	77
42	Immunogene therapy with fusogenic nanoparticles modulates macrophage response to <i>Staphylococcus aureus</i> . <i>Nature Communications</i> , 2018 , 9, 1969	17.4	77
41	Tumor-Penetrating Nanosystem Strongly Suppresses Breast Tumor Growth. <i>Nano Letters</i> , 2017 , 17, 1356-1364	13.6	62
40	Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-Infectives for the Treatment of <i>Pseudomonas aeruginosa</i> Lung Infections. <i>Advanced Materials</i> , 2017 , 29, 1701527	24	62
39	Paclitaxel-Loaded Polymersomes for Enhanced Intraperitoneal Chemotherapy. <i>Molecular Cancer Therapeutics</i> , 2016 , 15, 670-9	6.1	58
38	Proapoptotic peptide-mediated cancer therapy targeted to cell surface p32. <i>Molecular Therapy</i> , 2013 , 21, 2195-204	11.7	57
37	A tumor-penetrating peptide enhances circulation-independent targeting of peritoneal carcinomatosis. <i>Journal of Controlled Release</i> , 2015 , 212, 59-69	11.7	56

36	New p32/gC1qR Ligands for Targeted Tumor Drug Delivery. <i>ChemBioChem</i> , 2016 , 17, 570-5	3.8	56
35	Nanoparticles coated with the tumor-penetrating peptide iRGD reduce experimental breast cancer metastasis in the brain. <i>Journal of Molecular Medicine</i> , 2015 , 93, 991-1001	5.5	55
34	Selective Targeting of a Novel Vasodilator to the Uterine Vasculature to Treat Impaired Uteroplacental Perfusion in Pregnancy. <i>Theranostics</i> , 2017 , 7, 3715-3731	12.1	54
33	Composite Porous Silicon-Silver Nanoparticles as Theranostic Antibacterial Agents. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 30449-30457	9.5	53
32	Neuropilin-1 and heparan sulfate proteoglycans cooperate in cellular uptake of nanoparticles functionalized by cationic cell-penetrating peptides. <i>Science Advances</i> , 2015 , 1, e1500821	14.3	50
31	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	11.7	48
30	Targeting of p32 in peritoneal carcinomatosis with intraperitoneal linTT1 peptide-guided pro-apoptotic nanoparticles. <i>Journal of Controlled Release</i> , 2017 , 260, 142-153	11.7	40
29	Peptide-guided nanoparticles for glioblastoma targeting. <i>Journal of Controlled Release</i> , 2019 , 308, 109-118	11.7	40
28	Securing the Payload, Finding the Cell, and Avoiding the Endosome: Peptide-Targeted, Fusogenic Porous Silicon Nanoparticles for Delivery of siRNA. <i>Advanced Materials</i> , 2019 , 31, e1902952	24	40
27	In vivo cation exchange in quantum dots for tumor-specific imaging. <i>Nature Communications</i> , 2017 , 8, 343	17.4	40
26	A novel vascular homing peptide strategy to selectively enhance pulmonary drug efficacy in pulmonary arterial hypertension. <i>American Journal of Pathology</i> , 2014 , 184, 369-75	5.8	38
25	Systemic brain tumor delivery of synthetic protein nanoparticles for glioblastoma therapy. <i>Nature Communications</i> , 2020 , 11, 5687	17.4	36
24	Urokinase-controlled tumor penetrating peptide. <i>Journal of Controlled Release</i> , 2016 , 232, 188-95	11.7	36
23	Tumor-Targeting, MicroRNA-Silencing Porous Silicon Nanoparticles for Ovarian Cancer Therapy. <i>ACS Applied Materials & Interfaces</i> , 2019 , 11, 23926-23937	9.5	35
22	Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease. <i>Nature Communications</i> , 2017 , 8, 1403	17.4	31
21	Targeted Antiscarring Therapy for Tissue Injuries. <i>Advances in Wound Care</i> , 2013 , 2, 50-54	4.8	31
20	Quantity and accessibility for specific targeting of receptors in tumours. <i>Scientific Reports</i> , 2014 , 4, 5232	4.9	29
19	Reprogramming human retinal pigmented epithelial cells to neurons using recombinant proteins. <i>Stem Cells Translational Medicine</i> , 2014 , 3, 1526-34	6.9	26

18	Targeted silver nanoparticles for ratiometric cell phenotyping. <i>Nanoscale</i> , 2016 , 8, 9096-101	7.7	25
17	Selection strategies for anticancer antibody discovery: searching off the beaten path. <i>Trends in Biotechnology</i> , 2015 , 33, 292-301	15.1	24
16	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	2.9	23
15	Tracking the Fate of Porous Silicon Nanoparticles Delivering a Peptide Payload by Intrinsic Photoluminescence Lifetime. <i>Advanced Materials</i> , 2018 , 30, e1802878	24	23
14	Generation of a multi-functional, target organ-specific, anti-fibrotic molecule by molecular engineering of the extracellular matrix protein, decorin. <i>British Journal of Pharmacology</i> , 2019 , 176, 16-25	8.6	22
13	Tumor-specific macrophage targeting through recognition of retinoid X receptor beta. <i>Journal of Controlled Release</i> , 2019 , 301, 42-53	11.7	20
12	Plaque-penetrating peptide inhibits development of hypoxic atherosclerotic plaque. <i>Journal of Controlled Release</i> , 2016 , 238, 212-220	11.7	16
11	Clot-targeted micellar formulation improves anticoagulation efficacy of bivalirudin. <i>ACS Nano</i> , 2014 , 8, 10139-49	16.7	13
10	Immune-mediated ECM depletion improves tumour perfusion and payload delivery. <i>EMBO Molecular Medicine</i> , 2019 , 11, e10923	12	13
9	iRGD-liposomes enhance tumor delivery and therapeutic efficacy of antisense oligonucleotide drugs against primary prostate cancer and bone metastasis. <i>Advanced Functional Materials</i> , 2021 , 31, 2100478	15.6	5
8	Vascular changes in tumors resistant to a vascular disrupting nanoparticle treatment. <i>Journal of Controlled Release</i> , 2017 , 268, 49-56	11.7	4
7	Silver Nanocarriers Targeted with a CendR Peptide Potentiate the Cytotoxic Activity of an Anticancer Drug. <i>Advanced Therapeutics</i> , 2021 , 4, 2000097	4.9	4
6	Increasing Tumor Accessibility with Conjugatable Disulfide-Bridged Tumor-Penetrating Peptides for Cancer Diagnosis and Treatment. <i>Breast Cancer: Basic and Clinical Research</i> , 2015 , 9, 79-87	2.2	3
5	Silicon Nanoparticles: Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-Infectives for the Treatment of Pseudomonas aeruginosa Lung Infections (Adv. Mater. 35/2017). <i>Advanced Materials</i> , 2017 , 29,	24	1
4	DEPLETION OF TUMOR-ASSOCIATED MACROPHAGES WITH CLODRONATE-LOADED PLGA NANOPARTICLES. <i>Nano LIFE</i> , 2013 , 03, 1343005	0.9	1
3	iRGD in combination with IL-2 reprograms tumor immunosuppression.. <i>Journal of Clinical Oncology</i> , 2019 , 37, 55-55	2.2	1
2	Delivery and Targeting of Therapeutic Cells 2016 , 387-396		
1	Drug delivery: Magnetic Luminescent Porous Silicon Microparticles for Localized Delivery of Molecular Drug Payloads (Small 22/2010). <i>Small</i> , 2010 , 6, 2545-2545	11	

