Erkki Ruoslahti

List of Publications by Year in Descending Order

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	iRGD-liposomes enhance tumor delivery and therapeutic efficacy of antisense oligonucleotide drugs against primary prostate cancer and bone metastasis. *Advanced Functional Materials*, **2021**, 31, 2100478	15.6	5
70	Silver Nanocarriers Targeted with a CendR Peptide Potentiate the Cytotoxic Activity of an Anticancer Drug. *Advanced Therapeutics*, **2021**, 4, 2000097	4.9	4
69	Systemic brain tumor delivery of synthetic protein nanoparticles for glioblastoma therapy. *Nature Communications*, **2020**, 11, 5687	17.4	36
68	Tumor-Targeting, MicroRNA-Silencing Porous Silicon Nanoparticles for Ovarian Cancer Therapy. *ACS Applied Materials & Interfaces*, **2019**, 11, 23926-23937	9.5	35
67	Tumor-specific macrophage targeting through recognition of retinoid X receptor beta. *Journal of Controlled Release*, **2019**, 301, 42-53	11.7	20
66	Generation of a multi-functional, target organ-specific, anti-fibrotic molecule by molecular engineering of the extracellular matrix protein, decorin. *British Journal of Pharmacology*, **2019**, 176, 16-25	8.6	22
65	Peptide-guided nanoparticles for glioblastoma targeting. *Journal of Controlled Release*, **2019**, 308, 109-118	11.7	40
64	Securing the Payload, Finding the Cell, and Avoiding the Endosome: Peptide-Targeted, Fusogenic Porous Silicon Nanoparticles for Delivery of siRNA. *Advanced Materials*, **2019**, 31, e1902952	24	40
63	iRGD in combination with IL-2 reprograms tumor immunosuppression.. *Journal of Clinical Oncology*, **2019**, 37, 55-55	2.2	1
62	Immune-mediated ECM depletion improves tumour perfusion and payload delivery. *EMBO Molecular Medicine*, **2019**, 11, e10923	12	13
61	Antibiotic-loaded nanoparticles targeted to the site of infection enhance antibacterial efficacy. *Nature Biomedical Engineering*, **2018**, 2, 95-103	19	177
60	Tracking the Fate of Porous Silicon Nanoparticles Delivering a Peptide Payload by Intrinsic Photoluminescence Lifetime. *Advanced Materials*, **2018**, 30, e1802878	24	23
59	Immunogene therapy with fusogenic nanoparticles modulates macrophage response to Staphylococcus aureus. *Nature Communications*, **2018**, 9, 1969	17.4	77
58	Tumor penetrating peptides for improved drug delivery. *Advanced Drug Delivery Reviews*, **2017**, 110-111, 3-12	18.5	240
57	Tumor-Penetrating Nanosystem Strongly Suppresses Breast Tumor Growth. *Nano Letters*, **2017**, 17, 1356-1364	11.3	62
56	Targeting of p32 in peritoneal carcinomatosis with intraperitoneal linTT1 peptide-guided pro-apoptotic nanoparticles. *Journal of Controlled Release*, **2017**, 260, 142-153	11.7	40
55	Vascular changes in tumors resistant to a vascular disrupting nanoparticle treatment. *Journal of Controlled Release*, **2017**, 268, 49-56	11.7	4

54	Selective Targeting of a Novel Vasodilator to the Uterine Vasculature to Treat Impaired Uteroplacental Perfusion in Pregnancy. *Theranostics*, **2017**, 7, 3715-3731	12.1	54
53	Silicon Nanoparticles: Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-Infectives for the Treatment of Pseudomonas aeruginosa Lung Infections (Adv. Mater. 35/2017). *Advanced Materials*, **2017**, 29,	24	1
52	In vivo cation exchange in quantum dots for tumor-specific imaging. *Nature Communications*, **2017**, 8, 343	17.4	40
51	Porous Silicon Nanoparticle Delivery of Tandem Peptide Anti-Infectives for the Treatment of Pseudomonas aeruginosa Lung Infections. *Advanced Materials*, **2017**, 29, 1701527	24	62
50	Precision Targeting of Tumor Macrophages with a CD206 Binding Peptide. *Scientific Reports*, **2017**, 7, 14655	4.9	92
49	Identification of a peptide recognizing cerebrovascular changes in mouse models of Alzheimer's disease. *Nature Communications*, **2017**, 8, 1403	17.4	31
48	Tumor-homing peptides as tools for targeted delivery of payloads to the placenta. *Science Advances*, **2016**, 2, e1600349	14.3	80
47	iRGD peptide conjugation potentiates intraperitoneal tumor delivery of paclitaxel with polymersomes. *Biomaterials*, **2016**, 104, 247-57	15.6	96
46	Self-Sealing Porous Silicon-Calcium Silicate Core-Shell Nanoparticles for Targeted siRNA Delivery to the Injured Brain. *Advanced Materials*, **2016**, 28, 7962-7969	24	99
45	A peptide for targeted, systemic delivery of imaging and therapeutic compounds into acute brain injuries. *Nature Communications*, **2016**, 7, 11980	17.4	97
44	Composite Porous Silicon-Silver Nanoparticles as Theranostic Antibacterial Agents. *ACS Applied Materials & Interfaces*, **2016**, 8, 30449-30457	9.5	53
43	Delivery and Targeting of Therapeutic Cells **2016**, 387-396		
42	New p32/gC1qR Ligands for Targeted Tumor Drug Delivery. *ChemBioChem*, **2016**, 17, 570-5	3.8	56
41	Targeted silver nanoparticles for ratiometric cell phenotyping. *Nanoscale*, **2016**, 8, 9096-101	7.7	25
40	Synthesis of linear and cyclic peptide-PEG-lipids for stabilization and targeting of cationic liposome-DNA complexes. *Bioorganic and Medicinal Chemistry Letters*, **2016**, 26, 1618-1623	2.9	23
39	Paclitaxel-Loaded Polymersomes for Enhanced Intraperitoneal Chemotherapy. *Molecular Cancer Therapeutics*, **2016**, 15, 670-9	6.1	58
38	Urokinase-controlled tumor penetrating peptide. *Journal of Controlled Release*, **2016**, 232, 188-95	11.7	36
37	Plaque-penetrating peptide inhibits development of hypoxic atherosclerotic plaque. *Journal of Controlled Release*, **2016**, 238, 212-220	11.7	16

36	A tumor-penetrating peptide enhances circulation-independent targeting of peritoneal carcinomatosis. *Journal of Controlled Release*, **2015**, 212, 59-69	11.7	56
35	Nanoparticles coated with the tumor-penetrating peptide iRGD reduce experimental breast cancer metastasis in the brain. *Journal of Molecular Medicine*, **2015**, 93, 991-1001	5.5	55
34	Selection strategies for anticancer antibody discovery: searching off the beaten path. *Trends in Biotechnology*, **2015**, 33, 292-301	15.1	24
33	Neuropilin-1 and heparan sulfate proteoglycans cooperate in cellular uptake of nanoparticles functionalized by cationic cell-penetrating peptides. *Science Advances*, **2015**, 1, e1500821	14.3	50
32	Tumor-penetrating iRGD peptide inhibits metastasis. *Molecular Cancer Therapeutics*, **2015**, 14, 120-8	6.1	77
31	Increasing Tumor Accessibility with Conjugatable Disulfide-Bridged Tumor-Penetrating Peptides for Cancer Diagnosis and Treatment. *Breast Cancer: Basic and Clinical Research*, **2015**, 9, 79-87	2.2	3
30	Gated Luminescence Imaging of Silicon Nanoparticles. *ACS Nano*, **2015**, 9, 6233-41	16.7	97
29	Quantity and accessibility for specific targeting of receptors in tumours. *Scientific Reports*, **2014**, 4, 5232	4.9	29
28	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	11.7	48
27	Clot-targeted micellar formulation improves anticoagulation efficacy of bivalirudin. *ACS Nano*, **2014**, 8, 10139-49	16.7	13
26	An endocytosis pathway initiated through neuropilin-1 and regulated by nutrient availability. *Nature Communications*, **2014**, 5, 4904	17.4	114
25	A novel vascular homing peptide strategy to selectively enhance pulmonary drug efficacy in pulmonary arterial hypertension. *American Journal of Pathology*, **2014**, 184, 369-75	5.8	38
24	Etchable plasmonic nanoparticle probes to image and quantify cellular internalization. *Nature Materials*, **2014**, 13, 904-11	27	131
23	Reprogramming human retinal pigmented epithelial cells to neurons using recombinant proteins. *Stem Cells Translational Medicine*, **2014**, 3, 1526-34	6.9	26
22	DEPLETION OF TUMOR-ASSOCIATED MACROPHAGES WITH CLODRONATE-LOADED PLGA NANOPARTICLES. *Nano LIFE*, **2013**, 03, 1343005	0.9	1
21	Proapoptotic peptide-mediated cancer therapy targeted to cell surface p32. *Molecular Therapy*, **2013**, 21, 2195-204	11.7	57
20	Targeted Antiscarring Therapy for Tissue Injuries. *Advances in Wound Care*, **2013**, 2, 50-54	4.8	31
19	Peptides as targeting elements and tissue penetration devices for nanoparticles. *Advanced Materials*, **2012**, 24, 3747-56	24	311

18	Targeted nanoparticle enhanced proapoptotic peptide as potential therapy for glioblastoma. *Proceedings of the National Academy of Sciences of the United States of America*, **2011**, 108, 17450-5	11.5	273
17	Nanoparticle-induced vascular blockade in human prostate cancer. *Blood*, **2010**, 116, 2847-56	2.2	130
16	Coadministration of a tumor-penetrating peptide enhances the efficacy of cancer drugs. *Science*, **2010**, 328, 1031-5	33.3	796
15	Targeting of drugs and nanoparticles to tumors. *Journal of Cell Biology*, **2010**, 188, 759-68	7.3	688
14	Drug delivery: Magnetic Luminescent Porous Silicon Microparticles for Localized Delivery of Molecular Drug Payloads (Small 22/2010). *Small*, **2010**, 6, 2545-2545	11	
13	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, 16157-62	11.5	541
12	Tissue-penetrating delivery of compounds and nanoparticles into tumors. *Cancer Cell*, **2009**, 16, 510-20	24.3	820
11	Systematic surface engineering of magnetic nanoworms for in vivo tumor targeting. *Small*, **2009**, 5, 694-700	11	238
10	Targeting of albumin-embedded paclitaxel nanoparticles to tumors. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2009**, 5, 73-82	6	186
9	Mitochondrial/cell-surface protein p32/gC1qR as a molecular target in tumor cells and tumor stroma. *Cancer Research*, **2008**, 68, 7210-8	10.1	257
8	Magnetic Iron Oxide Nanoworms for Tumor Targeting and Imaging. *Advanced Materials*, **2008**, 20, 1630-1635	14	471
7	Biomimetic amplification of nanoparticle homing to tumors. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 932-6	11.5	385
6	Antitumor activity of a homing peptide that targets tumor lymphatics and tumor cells. *Proceedings of the National Academy of Sciences of the United States of America*, **2004**, 101, 9381-6	11.5	222
5	Stage-specific vascular markers revealed by phage display in a mouse model of pancreatic islet tumorigenesis. *Cancer Cell*, **2003**, 4, 393-403	24.3	208
4	A tumor-homing peptide with a targeting specificity related to lymphatic vessels. *Nature Medicine*, **2002**, 8, 751-5	50.5	398
3	Targeting the prostate for destruction through a vascular address. *Proceedings of the National Academy of Sciences of the United States of America*, **2002**, 99, 1527-31	11.5	255
2	Anti-cancer activity of targeted pro-apoptotic peptides. *Nature Medicine*, **1999**, 5, 1032-8	50.5	752
1	Isolation of high-affinity peptide antagonists of 14-3-3 proteins by phage display. *Biochemistry*, **1999**, 38, 12499-504	3.2	247