Kazutaka Higaki

List of Publications by Year
in descending order

38 papers	1,470 citations	394421 19 h-index	315739 38 g-index
40 all docs	40 docs citations	40 times ranked	1915 citing authors

#	Article	IF	Citations
1	Effect of particle size reduction on dissolution and oral absorption of a poorly water-soluble drug, cilostazol, in beagle dogs. Journal of Controlled Release, 2006, 111, 56-64.	9.9	430
2	PEG liposomalization of paclitaxel improved its in vivo disposition and anti-tumor efficacy. International Journal of Pharmaceutics, 2011, 412, 132-141.	5.2	121
3	Prolongation of residence time of liposome by surface-modification with mixture of hydrophilic polymers. International Journal of Pharmaceutics, 2008, 359, 272-279.	5.2	112
4	In vivo anti-tumor effect of PEG liposomal doxorubicin (DOX) in DOX-resistant tumor-bearing mice: Involvement of cytotoxic effect on vascular endothelial cells. Journal of Controlled Release, 2009, 133, 4-10.	9.9	91
5	Determinants for in vivo anti-tumor effects of PEG liposomal doxorubicin: Importance of vascular permeability within tumors. International Journal of Pharmaceutics, 2008, 359, 234-240.	5.2	78
6	Albumin-conjugated PEG liposome enhances tumor distribution of liposomal doxorubicin in rats. International Journal of Pharmaceutics, 2008, 353, 28-34.	5.2	72
7	Novel oral formulation safely improving intestinal absorption of poorly absorbable drugs: Utilization of polyamines and bile acids. Journal of Controlled Release, 2006, 111, 27-34.	9.9	42
8	Estimation of intradermal disposition kinetics of drugs: II. Factors determining penetration of drugs from viable skin to muscular layer. International Journal of Pharmaceutics, 2002, 239, 129-141.	5.2	39
9	Augmented EPR effect by photo-triggered tumor vascular treatment improved therapeutic efficacy of liposomal paclitaxel in mice bearing tumors with low permeable vasculature. Journal of Controlled Release, 2015, 200, 106-114.	9.9	38
10	Strategies for Overcoming the Stratum Corneum. American Journal of Drug Delivery, 2003, 1, 187-214.	0.6	32
11	Establishment of Novel Prediction System of Intestinal Absorption in Humans Using Human Intestinal Tissues. Journal of Pharmaceutical Sciences, 2013, 102, 2564-2571.	3.3	29
12	Nanoparticle-Based Photodynamic Therapy: Current Status and Future Application to Improve Outcomes of Cancer Treatment. Chemical and Pharmaceutical Bulletin, 2017, 65, 637-641.	1.3	27
13	Prediction of oral absorption of griseofulvin, a BCS class II drug, based on GITA model: Utilization of a more suitable medium for in-vitro dissolution study. Journal of Controlled Release, 2007, 119, 222-228.	9.9	26
14	Evaluation of in vivo dissolution behavior and GI transit of griseofulvin, a BCS class II drug. International Journal of Pharmaceutics, 2008, 352, 36-43.	5.2	25
15	Development of suppository formulation safely improving rectal absorption of rebamipide, a poorly absorbable drug, by utilizing sodium laurate and taurine. Journal of Controlled Release, 2004, 99, 63-71.	9.9	24
16	Deeper Penetration into Tumor Tissues and Enhanced in Vivo Antitumor Activity of Liposomal Paclitaxel by Pretreatment with Angiogenesis Inhibitor SU5416. Molecular Pharmaceutics, 2012, 9, 3486-3494.	4.6	24
17	Formulation and Evaluation of Paclitaxel-Loaded Polymeric Nanoparticles Composed of Polyethylene Glycol and Polylactic Acid Block Copolymer. Biological and Pharmaceutical Bulletin, 2012, 35, 1306-1313.	1.4	23
18	Improvement of Oral Bioavailability of N-251, a Novel Antimalarial Drug, by Increasing Lymphatic Transport with Long-Chain Fatty Acid-Based Self-Nanoemulsifying Drug Delivery System. Pharmaceutical Research, 2015, 32, 2595-608.	3.5	22

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19	Antimalarial activity of endoperoxide compound 6-(1,2,6,7-tetraoxaspiro[7.11]nonadec-4-yl)hexan-1-ol. Parasitology International, 2011, 60, 270-273.	1.3	20
20	Efficient anti-tumor effect of photodynamic treatment with polymeric nanoparticles composed of polyethylene glycol and polylactic acid block copolymer encapsulating hydrophobic porphyrin derivative. European Journal of Pharmaceutical Sciences, 2016, 82, 154-160.	4.0	20
21	Importance of bile acids for novel oral absorption system containing polyamines to improve intestinal absorption. Journal of Controlled Release, 2006, 115, 130-133.	9.9	19
22	Antimalarial activity of 6-(1,2,6,7-tetraoxaspiro[7.11]nonadec-4-yl)hexan-1-ol (N-251) and its carboxylic acid derivatives. Parasitology International, 2011, 60, 488-492.	1.3	17
23	Sequential administration of PEG-Span 80 niosome enhances anti-tumor effect of doxorubicin-containing PEG liposome. European Journal of Pharmaceutics and Biopharmaceutics, 2021, 169, 20-28.	4.3	17
24	A novel approach to overcome multidrug resistance: Utilization of P-gp mediated efflux of paclitaxel to attack neighboring vascular endothelial cells in tumors. European Journal of Pharmaceutical Sciences, 2014, 62, 274-280.	4.0	15
25	Regulation of Drug Absorption from Small Intestine by Enteric Nervous System I: a Poorly Absorbable Drug Via Passive Diffusion. Drug Metabolism and Pharmacokinetics, 2004, 19, 198-205.	2.2	14
26	Optimization of Suppository Preparation Containing Sodium Laurate and Taurine That Can Safely Improve Rectal Absorption of Rebamipide. Biological and Pharmaceutical Bulletin, 2006, 29, 330-335.	1.4	14
27	Effect of adrenergic stimulation on drug absorption via passive diffusion in Caco-2 cells. International Journal of Pharmaceutics, 2009, 368, 31-36.	5.2	14
28	Sex differences in pharmacokinetics of cilostazol in rats. Xenobiotica, 2011, 41, 903-913.	1.1	13
29	Up-Regulation of P-Glycoprotein Expression in Small Intestine under Chronic Serotonin-Depleted Conditions in Rats. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 248-255.	2.5	12
30	Effect of Doxorubicin Release Rate From Polyethylene Glycol-Modified Liposome on Anti-tumor Activity in B16-BL6 Tumor-Bearing Mice. Journal of Pharmaceutical Sciences, 2022, 111, 293-297.	3.3	9
31	Development of Transdermal Therapeutic Formulation of CNS5161, a Novel N-Methyl-D-aspartate Receptor Antagonist, by Utilizing Pressure-Sensitive Adhesives I. Biological and Pharmaceutical Bulletin, 2012, 35, 321-328.	1.4	8
32	Extensive improvement of oral bioavailability of mebendazole, a brick dust, by polymer-containing SNEDDS preparation: Disruption of high crystallinity by utilizing its counter ion. European Journal of Pharmaceutics and Biopharmaceutics, 2022, 172, 213-227.	4.3	6
33	Pharmacokinetic analysis of new synthetic antimalarial N-251. Tropical Medicine and Health, 2019, 47, 40.	2.8	4
34	Possible Regulation of P-glycoprotein Function by Adrenergic Agonists in a Vascular-luminal Perfused Preparation of Small Intestine. Journal of Pharmaceutical Sciences, 2021, 110, 3889-3895.	3.3	4
35	Development of transdermal therapeutic formulation of CNS5161, a novel NMDA receptor antagonist, by utilizing pressure-sensitive adhesives II: Improved transdermal absorption and evaluation of efficacy and safety. European Journal of Pharmaceutical Sciences, 2014, 52, 86-94.	4.0	3
36	Effect of Excessive Serotonin on Pharmacokinetics of Cephalexin after Oral Administration: Studies with Serotonin-Excessive Model Rats. Pharmaceutical Research, 2022, 39, 2163-2178.	3.5	3

#	Article	IF	Citations
37	Efficient Evaluation of In Vivo Performance in Human for Generic Formulation by Novel Dissolution-Absorption Prediction (DAP) Workflow. Pharmaceutical Research, 2022, 39, 2203-2216.	3.5	1
38	An emulsion generating microchannel device oscillated by piezoelectric vibrator. , 2010, , .		0