Akira Yamamoto

List of Publications by Year
in descending order

38 papers	1,528 citations	361413 20 h-index	315739 38 g-index
42 all docs	42 docs citations	42 times ranked	1682 citing authors

#	Article	IF	Citations
1	Effects of various protease inhibitors on the intestinal absorption and degradation of insulin in rats. Pharmaceutical Research, 1994, 11, 1496-1500.	3.5	287
2	The development and characteristics of novel microneedle arrays fabricated from hyaluronic acid, and their application in the transdermal delivery of insulin. Journal of Controlled Release, 2012, 161, 933-941.	9.9	255
3	Transdermal delivery of relatively high molecular weight drugs using novel self-dissolving microneedle arrays fabricated from hyaluronic acid and their characteristics and safety after application to the skin. European Journal of Pharmaceutics and Biopharmaceutics, 2014, 86, 267-276.	4.3	138
4	Absorption of water-soluble compounds with different molecular weights and [Asu1.7]-eel calcitonin from various mucosal administration sites. Journal of Controlled Release, 2001, 76, 363-374.	9.9	64
5	Nitric oxide donors can enhance the intestinal transport and absorption of insulin and [Asu1,7]-eel calcitonin in rats. Journal of Controlled Release, 2005, 106, 287-297.	9.9	60
6	Polyamidoamine dendrimers as novel potential absorption enhancers for improving the small intestinal absorption of poorly absorbable drugs in rats. Journal of Controlled Release, 2011, 149, 21-28.	9.9	53
7	The effects of common solubilizing agents on the intestinal membrane barrier functions and membrane toxicity in rats. International Journal of Pharmaceutics, 2009, 379, 100-108.	5.2	52
8	Development of novel lipophilic derivatives of DADLE (leucine enkephalin analogue): intestinal permeability characateristics of DADLE derivatives in rats. Pharmaceutical Research, 2000, 17, 1461-1467.	3.5	39
9	Development of a novel transdermal patch of alendronate, a nitrogen-containing bisphosphonate, for the treatment of osteoporosis. Journal of Bone and Mineral Research, 2010, 25, 2582-2591.	2.8	39
10	Improvement of absorption enhancing effects of n-dodecyl-Î²-d-maltopyranoside by its colon-specific delivery using chitosan capsules. International Journal of Pharmaceutics, 2005, 293, 127-135.	5.2	38
11	Self-Dissolving Microneedle Arrays for Transdermal Absorption Enhancement of Human Parathyroid Hormone (1-34). Pharmaceutics, 2018, 10, 215.	4.5	36
12	Improvement of intestinal absorption of curcumin by cyclodextrins and the mechanisms underlying absorption enhancement. International Journal of Pharmaceutics, 2018, 535, 340-349.	5.2	32
13	Effects of Polyoxyethylene Alkyl Ethers on the Intestinal Transport and Absorption of Rhodamine 123: A P-glycoprotein Substrate by InÂVitro and InÂVivo Studies. Journal of Pharmaceutical Sciences, 2016, 105, 1526-1534.	3.3	27
14	Efficient Transdermal Delivery of Alendronate, a Nitrogen-Containing Bisphosphonate, Using Tip-Loaded Self-Dissolving Microneedle Arrays for the Treatment of Osteoporosis. Pharmaceutics, 2017, 9, 29.	4.5	27
15	Control of pulmonary absorption of water-soluble compounds by various viscous vehicles. International Journal of Pharmaceutics, 2004, 282, 141-149.	5.2	26
16	Enhanced oral delivery of alendronate by sucrose fatty acids esters in rats and their absorption-enhancing mechanisms. International Journal of Pharmaceutics, 2016, 515, 476-489.	5.2	26
17	Absorption-enhancing effects of gemini surfactant on the intestinal absorption of poorly absorbed hydrophilic drugs including peptide and protein drugs in rats. International Journal of Pharmaceutics, 2016, 499, 58-66.	5.2	25
18	Approaches to improve intestinal and transmucosal absorption of peptide and protein drugs. , 2020, 211, 107537.		25

#	Article	IF	Citations
19	Modulating effect of polyethylene glycol on the intestinal transport and absorption of prednisolone, methylprednisolone and quinidine in rats by in-vitro and in-situ absorption studies. Journal of Pharmacy and Pharmacology, 2010, 60, 1633-1641.	2.4	24
20	Trypsin as a novel potential absorption enhancer for improving the transdermal delivery of macromolecules. Journal of Pharmacy and Pharmacology, 2010, 61, 1005-1012.	2.4	22
21	Modulation of Intestinal Transport and Absorption of Topotecan, a BCRP Substrate, by Various Pharmaceutical Excipients and Their Inhibitory Mechanisms of BCRP Transporter. Journal of Pharmaceutical Sciences, 2019, 108, 1315-1325.	3.3	22
22	Enhanced Intestinal Absorption of Insulin by Capryol 90, a Novel Absorption Enhancer in Rats: Implications in Oral Insulin Delivery. Pharmaceutics, 2020, 12, 462.	4.5	21
23	Enhanced transdermal delivery of phenylalanyl-glycine by chemical modification with various fatty acids. International Journal of Pharmaceutics, 2003, 250, 119-128.	5.2	20
24	l-Cysteine and l-Serine Modified Dendrimer with Multiple Reduced Thiols as a Kidney-Targeting Reactive Oxygen Species Scavenger to Prevent Renal Ischemia/Reperfusion Injury. Pharmaceutics, 2018, 10, 251.	4.5	20
25	Evaluation of Insulin Permeability and Effects of Absorption Enhancers on Its Permeability by an in Vitro Pulmonary Epithelial System Using Xenopus Pulmonary Membrane.. Biological and Pharmaceutical Bulletin, 2001, 24, 385-389.	1.4	19
26	Carrageenans can regulate the pulmonary absorption of antiasthmatic drugs and their retention in the rat lung tissues without any membrane damage. International Journal of Pharmaceutics, 2005, 293, 63-72.	5.2	19
27	A Recirculatory Model with Enterohepatic Circulation by Measuring Portal and Systemic Blood Concentration Difference. Journal of Pharmacokinetics and Pharmacodynamics, 2003, 30, 119-144.	1.8	14
28	Enhanced Oral Delivery of Bisphosphonate by Novel Absorption Enhancers: Improvement of Intestinal Absorption of Alendronate by N- Acyl Amino Acids and N- Acyl Taurates and Their Absorption-Enhancing Mechanisms. Journal of Pharmaceutical Sciences, 2016, 105, 3680-3690.	3.3	14
29	Effects of Various Pharmaceutical Excipients on the Intestinal Transport and Absorption of Sulfasalazine, a Typical Substrate of Breast Cancer Resistance Protein Transporter. Journal of Pharmaceutical Sciences, 2018, 107, 2946-2956.	3.3	11
30	Propylene Glycol Caprylate as a Novel Potential Absorption Enhancer for Improving the Intestinal Absorption of Insulin: Efficacy, Safety, and Absorption-Enhancing Mechanisms. Journal of Pharmaceutical Sciences, 2020, 109, 1483-1492.	3.3	11
31	Effects of 2 Polyoxyethylene Alkyl Ethers on the Function of Intestinal P-glycoprotein and Their Inhibitory Mechanisms. Journal of Pharmaceutical Sciences, 2016, 105, 3668-3679.	3.3	8
32	The Effect of Absorption-Enhancement and the Mechanism of the PAMAM Dendrimer on Poorly Absorbable Drugs. Molecules, 2018, 23, 2001.	3.8	8
33	Mechanistic Studies on the Absorption-Enhancing Effects of Gemini Surfactant on the Intestinal Absorption of Poorly Absorbed Hydrophilic Drugs in Rats. Pharmaceutics, 2019, 11, 170.	4.5	8
34	Enhanced Permeability of Phenylalanyl-glycine (Phe-Gly) Across the Intestinal Membranes by Chemical Modification with Various Fatty Acids. Drug Metabolism and Pharmacokinetics, 2003, 18, 23-32.	2.2	7
35	Modulating effect of polyethylene glycol on the intestinal transport and absorption of prednisolone, methylprednisolone and quinidine in rats by in-vitro and in-situ absorption studies. Journal of Pharmacy and Pharmacology, 2008, 60, 1633-1641.	2.4	6
36	Pharmacokinetic Analysis of Ramatroban Using a Recirculatory Model with Enterohepatic Circulation by Measuring Portal and Systemic Blood Concentration Difference in Sprague-Dawley and Eisai Hyperbilirubinemic Rats. Pharmaceutical Research, 2004, 21, 1055-1064.	3.5	4

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37	Absorption-Enhancing Mechanisms of Capryol 90, a Novel Absorption Enhancer, for Improving the Intestinal Absorption of Poorly Absorbed Drugs: Contributions to Trans- or Para-Cellular Pathways. Pharmaceutical Research, 2020, 37, 248.	3.5	3
38	Effects of Manufacturing Methods on Dissolution and Absorption of Ketoconazole in the Presence of Organic Acid as a pH Modifier. AAPS PharmSciTech, 2017, 18, 1203-1212.	3.3	1