

Akira Yamamoto

List of Publications by Year in descending order

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38
papers

1,528
citations

361413

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h-index

315739

38
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42
all docs

42
docs citations

42
times ranked

1682
citing authors

#	ARTICLE	IF	CITATIONS
1	Propylene Glycol Caprylate as a Novel Potential Absorption Enhancer for Improving the Intestinal Absorption of Insulin: Efficacy, Safety, and Absorption-Enhancing Mechanisms. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 1483-1492.	3.3	11
2	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. <i>Pharmaceutical Research</i> , 2020, 37, 248.	3.5	3
3	Approaches to improve intestinal and transmucosal absorption of peptide and protein drugs. , 2020, 211, 107537.		25
4	Enhanced Intestinal Absorption of Insulin by Capryol 90, a Novel Absorption Enhancer in Rats: Implications in Oral Insulin Delivery. <i>Pharmaceutics</i> , 2020, 12, 462.	4.5	21
5	Mechanistic Studies on the Absorption-Enhancing Effects of Gemini Surfactant on the Intestinal Absorption of Poorly Absorbed Hydrophilic Drugs in Rats. <i>Pharmaceutics</i> , 2019, 11, 170.	4.5	8
6	Modulation of Intestinal Transport and Absorption of Topotecan, a BCRP Substrate, by Various Pharmaceutical Excipients and Their Inhibitory Mechanisms of BCRP Transporter. <i>Journal of Pharmaceutical Sciences</i> , 2019, 108, 1315-1325.	3.3	22
7	Improvement of intestinal absorption of curcumin by cyclodextrins and the mechanisms underlying absorption enhancement. <i>International Journal of Pharmaceutics</i> , 2018, 535, 340-349.	5.2	32
8	Self-Dissolving Microneedle Arrays for Transdermal Absorption Enhancement of Human Parathyroid Hormone (1-34). <i>Pharmaceutics</i> , 2018, 10, 215.	4.5	36
9	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. <i>Pharmaceutics</i> , 2018, 10, 251.	4.5	20
10	Effects of Various Pharmaceutical Excipients on the Intestinal Transport and Absorption of Sulfasalazine, a Typical Substrate of Breast Cancer Resistance Protein Transporter. <i>Journal of Pharmaceutical Sciences</i> , 2018, 107, 2946-2956.	3.3	11
11	The Effect of Absorption-Enhancement and the Mechanism of the PAMAM Dendrimer on Poorly Absorbable Drugs. <i>Molecules</i> , 2018, 23, 2001.	3.8	8
12	Effects of Manufacturing Methods on Dissolution and Absorption of Ketoconazole in the Presence of Organic Acid as a pH Modifier. <i>AAPS PharmSciTech</i> , 2017, 18, 1203-1212.	3.3	1
13	Efficient Transdermal Delivery of Alendronate, a Nitrogen-Containing Bisphosphonate, Using Tip-Loaded Self-Dissolving Microneedle Arrays for the Treatment of Osteoporosis. <i>Pharmaceutics</i> , 2017, 9, 29.	4.5	27
14	Effects of Polyoxyethylene Alkyl Ethers on the Intestinal Transport and Absorption of Rhodamine 123: A P-glycoprotein Substrate by In Vitro and In Vivo Studies. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 1526-1534.	3.3	27
15	Effects of 2 Polyoxyethylene Alkyl Ethers on the Function of Intestinal P-glycoprotein and Their Inhibitory Mechanisms. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3668-3679.	3.3	8
16	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. <i>Journal of Pharmaceutical Sciences</i> , 2016, 105, 3680-3690.	3.3	14
17	Enhanced oral delivery of alendronate by sucrose fatty acids esters in rats and their absorption-enhancing mechanisms. <i>International Journal of Pharmaceutics</i> , 2016, 515, 476-489.	5.2	26
18	Absorption-enhancing effects of gemini surfactant on the intestinal absorption of poorly absorbed hydrophilic drugs including peptide and protein drugs in rats. <i>International Journal of Pharmaceutics</i> , 2016, 499, 58-66.	5.2	25

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19	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. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2014, 86, 267-276.	4.3	138
20	The development and characteristics of novel microneedle arrays fabricated from hyaluronic acid, and their application in the transdermal delivery of insulin. <i>Journal of Controlled Release</i> , 2012, 161, 933-941.	9.9	255
21	Polyamidoamine dendrimers as novel potential absorption enhancers for improving the small intestinal absorption of poorly absorbable drugs in rats. <i>Journal of Controlled Release</i> , 2011, 149, 21-28.	9.9	53
22	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. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 60, 1633-1641.	2.4	24
23	Trypsin as a novel potential absorption enhancer for improving the transdermal delivery of macromolecules. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 61, 1005-1012.	2.4	22
24	Development of a novel transdermal patch of alendronate, a nitrogen-containing bisphosphonate, for the treatment of osteoporosis. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 2582-2591.	2.8	39
25	The effects of common solubilizing agents on the intestinal membrane barrier functions and membrane toxicity in rats. <i>International Journal of Pharmaceutics</i> , 2009, 379, 100-108.	5.2	52
26	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. <i>Journal of Pharmacy and Pharmacology</i> , 2008, 60, 1633-1641.	2.4	6
27	Carrageenans can regulate the pulmonary absorption of antiasthmatic drugs and their retention in the rat lung tissues without any membrane damage. <i>International Journal of Pharmaceutics</i> , 2005, 293, 63-72.	5.2	19
28	Improvement of absorption enhancing effects of n-dodecyl- β -D-maltopyranoside by its colon-specific delivery using chitosan capsules. <i>International Journal of Pharmaceutics</i> , 2005, 293, 127-135.	5.2	38
29	Nitric oxide donors can enhance the intestinal transport and absorption of insulin and [Asu1,7]-eel calcitonin in rats. <i>Journal of Controlled Release</i> , 2005, 106, 287-297.	9.9	60
30	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. <i>Pharmaceutical Research</i> , 2004, 21, 1055-1064.	3.5	4
31	Control of pulmonary absorption of water-soluble compounds by various viscous vehicles. <i>International Journal of Pharmaceutics</i> , 2004, 282, 141-149.	5.2	26
32	A Recirculatory Model with Enterohepatic Circulation by Measuring Portal and Systemic Blood Concentration Difference. <i>Journal of Pharmacokinetics and Pharmacodynamics</i> , 2003, 30, 119-144.	1.8	14
33	Enhanced transdermal delivery of phenylalanyl-glycine by chemical modification with various fatty acids. <i>International Journal of Pharmaceutics</i> , 2003, 250, 119-128.	5.2	20
34	Enhanced Permeability of Phenylalanyl-glycine (Phe-Gly) Across the Intestinal Membranes by Chemical Modification with Various Fatty Acids. <i>Drug Metabolism and Pharmacokinetics</i> , 2003, 18, 23-32.	2.2	7
35	Evaluation of Insulin Permeability and Effects of Absorption Enhancers on Its Permeability by an in Vitro Pulmonary Epithelial System Using <i>Xenopus</i> Pulmonary Membrane. <i>Biological and Pharmaceutical Bulletin</i> , 2001, 24, 385-389.	1.4	19
36	Absorption of water-soluble compounds with different molecular weights and [Asu1.7]-eel calcitonin from various mucosal administration sites. <i>Journal of Controlled Release</i> , 2001, 76, 363-374.	9.9	64

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37	Development of novel lipophilic derivatives of DADLE (leucine enkephalin analogue): intestinal permeability characteristics of DADLE derivatives in rats. <i>Pharmaceutical Research</i> , 2000, 17, 1461-1467.	3.5	39
38	Effects of various protease inhibitors on the intestinal absorption and degradation of insulin in rats. <i>Pharmaceutical Research</i> , 1994, 11, 1496-1500.	3.5	287