

Kosuke Kusamori

List of Publications by Year in descending order

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65
papers

1,433
citations

304368

22
h-index

360668

35
g-index

71
all docs

71
docs citations

71
times ranked

2008
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.0	138
2	Click Chemistry as a Tool for Cell Engineering and Drug Delivery. <i>Molecules</i> , 2019, 24, 172.	1.7	116
3	Delivery of Oxytocin to the Brain for the Treatment of Autism Spectrum Disorder by Nasal Application. <i>Molecular Pharmaceutics</i> , 2018, 15, 1105-1111.	2.3	74
4	Development of a Novel Self-Dissolving Microneedle Array of Alendronate, a Nitrogen-Containing Bisphosphonate: Evaluation of Transdermal Absorption, Safety, and Pharmacological Effects After Application in Rats. <i>Journal of Pharmaceutical Sciences</i> , 2012, 101, 3230-3238.	1.6	54
5	Pharmacokinetics and preventive effects of platinum nanoparticles as reactive oxygen species scavengers on hepatic ischemia/reperfusion injury in mice. <i>Metallomics</i> , 2014, 6, 1050-1056.	1.0	53
6	Improvement of Transdermal Delivery of Exendin-4 Using Novel Tip-Loaded Microneedle Arrays Fabricated from Hyaluronic Acid. <i>Molecular Pharmaceutics</i> , 2016, 13, 272-279.	2.3	52
7	Anticancer drug-loaded mesenchymal stem cells for targeted cancer therapy. <i>Journal of Controlled Release</i> , 2021, 329, 1090-1101.	4.8	41
8	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.	3.1	39
9	Improvement of Transdermal Delivery of Sumatriptan Succinate Using a Novel Self-dissolving Microneedle Array Fabricated from Sodium Hyaluronate in Rats. <i>Biological and Pharmaceutical Bulletin</i> , 2015, 38, 365-373.	0.6	38
10	Development of PEGylated carboxylic acid-modified polyamidoamine dendrimers as bone-targeting carriers for the treatment of bone diseases. <i>Journal of Controlled Release</i> , 2017, 262, 10-17.	4.8	38
11	Transplantation of insulin-secreting multicellular spheroids for the treatment of type 1 diabetes in mice. <i>Journal of Controlled Release</i> , 2014, 173, 119-124.	4.8	34
12	Improved dissolution and absorption of ketoconazole in the presence of organic acids as pH-modifiers. <i>European Journal of Pharmaceutical Sciences</i> , 2015, 76, 225-230.	1.9	34
13	Optimization of Albumin Secretion and Metabolic Activity of Cytochrome P450 1A1 of Human Hepatoblastoma HepG2 Cells in Multicellular Spheroids by Controlling Spheroid Size. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 334-338.	0.6	34
14	Development of a drug-coated microneedle array and its application for transdermal delivery of interferon alpha. <i>Biofabrication</i> , 2016, 8, 015006.	3.7	33
15	Improvement of intestinal absorption of curcumin by cyclodextrins and the mechanisms underlying absorption enhancement. <i>International Journal of Pharmaceutics</i> , 2018, 535, 340-349.	2.6	32
16	Nasal drug absorption from powder formulations: The effect of three types of hydroxypropyl cellulose (HPC). <i>European Journal of Pharmaceutical Sciences</i> , 2017, 96, 284-289.	1.9	31
17	Poly(N-isopropylacrylamide)-coated microwell arrays for construction and recovery of multicellular spheroids. <i>Journal of Bioscience and Bioengineering</i> , 2013, 115, 695-699.	1.1	28
18	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.	1.6	27

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19	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.	2.6	26
20	Small-Molecule-Induced Clustering of Heparan Sulfate Promotes Cell Adhesion. <i>Journal of the American Chemical Society</i> , 2013, 135, 11032-11039.	6.6	25
21	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.	2.6	25
22	Combined encapsulation of a tumor antigen and immune cells using a self-assembling immunostimulatory DNA hydrogel to enhance antigen-specific tumor immunity. <i>Journal of Controlled Release</i> , 2018, 288, 189-198.	4.8	25
23	Mesenchymal stem/stromal cells as next-generation drug delivery vehicles for cancer therapeutics. <i>Expert Opinion on Drug Delivery</i> , 2021, 18, 1627-1642.	2.4	24
24	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.	1.6	22
25	Absorption and safety of alendronate, a nitrogen-containing bisphosphonate, after intrapulmonary administration in rats. <i>International Journal of Pharmaceutics</i> , 2010, 400, 124-130.	2.6	21
26	Nanostructured DNA for the delivery of therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , 2019, 147, 29-36.	6.6	21
27	Increased Insulin Secretion from Insulin-Secreting Cells by Construction of Mixed Multicellular Spheroids. <i>Pharmaceutical Research</i> , 2016, 33, 247-256.	1.7	20
28	Pivotal role of oxidative stress in tumor metastasis under diabetic conditions in mice. <i>Journal of Controlled Release</i> , 2013, 170, 191-197.	4.8	19
29	Long-term drug modification to the surface of mesenchymal stem cells by the avidin-biotin complex method. <i>Scientific Reports</i> , 2017, 7, 16953.	1.6	18
30	Synthetic Molecules that Protect Cells from Anoikis and Their Use in Cell Transplantation. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 11208-11213.	7.2	17
31	Control of polarization and tumoricidal activity of macrophages by multicellular spheroid formation. <i>Journal of Controlled Release</i> , 2018, 270, 177-183.	4.8	17
32	Role of transient receptor potential melastatin 2 in surgical inflammation and dysmotility in a mouse model of postoperative ileus. <i>American Journal of Physiology - Renal Physiology</i> , 2018, 315, G104-G116.	1.6	16
33	Using size-controlled multicellular spheroids of murine adenocarcinoma cells to efficiently establish pulmonary tumors in mice. <i>Biotechnology Journal</i> , 2017, 12, 1600513.	1.8	15
34	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.	1.6	14
35	Regulation of proliferation and functioning of transplanted cells by using herpes simplex virus thymidine kinase gene in mice. <i>Journal of Controlled Release</i> , 2018, 275, 78-84.	4.8	14
36	Permeation of sumatriptan succinate across human skin using multiple types of self-dissolving microneedle arrays fabricated from sodium hyaluronate. <i>Journal of Drug Targeting</i> , 2016, 24, 752-758.	2.1	13

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37	Development of PEGylated serum albumin with multiple reduced thiols as a long-circulating scavenger of reactive oxygen species for the treatment of fulminant hepatic failure in mice. <i>Free Radical Biology and Medicine</i> , 2014, 69, 318-323.	1.3	11
38	Stable Surface Modification of Mesenchymal Stem Cells Using the Avidin-Biotin Complex Technique. <i>Current Protocols in Stem Cell Biology</i> , 2018, 47, e66.	3.0	11
39	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.	1.6	11
40	Intravenous injection of mesenchymal stem cell spheroids improves the pulmonary delivery and prolongs in vivo survival. <i>Biotechnology Journal</i> , 2022, 17, e2100137.	1.8	11
41	Multifunctionalization of Cells with a Self-Assembling Molecule to Enhance Cell Engraftment. <i>ACS Chemical Biology</i> , 2019, 14, 775-783.	1.6	10
42	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.	1.6	8
43	Importance of the Direct Contact of Amorphous Solid Particles with the Surface of Monolayers for the Transepithelial Permeation of Curcumin. <i>Molecular Pharmaceutics</i> , 2016, 13, 493-499.	2.3	8
44	Novel strategy for improving the bioavailability of curcumin based on a new membrane transport mechanism that directly involves solid particles. <i>European Journal of Pharmaceutics and Biopharmaceutics</i> , 2018, 122, 1-5.	2.0	8
45	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.	2.0	8
46	Cell-based interferon gene therapy using proliferation-controllable, interferon-releasing mesenchymal stem cells. <i>Scientific Reports</i> , 2019, 9, 18869.	1.6	8
47	Nasal Drug Absorption from Powder Formulations: Effect of Fluid Volume Changes on the Mucosal Surface. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 212-219.	0.6	7
48	Rapid Regulation of Human Mesenchymal Stem Cell Proliferation Using Inducible Caspase-9 Suicide Gene for Safe Cell-Based Therapy. <i>International Journal of Molecular Sciences</i> , 2019, 20, 5759.	1.8	7
49	Critical contribution of macrophage scavenger receptor 1 to the uptake of nanostructured DNA by immune cells. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2021, 34, 102386.	1.7	7
50	Novel Strategy for the Systemic Delivery of Furosemide Based on a New Drug Transport Mechanism. <i>Biological and Pharmaceutical Bulletin</i> , 2018, 41, 1769-1777.	0.6	5
51	Intracellular Delivery of Antisense DNA and siRNA with Amino Groups Masked with Disulfide Units. <i>Chemical and Pharmaceutical Bulletin</i> , 2020, 68, 129-132.	0.6	5
52	Combined use of chemically modified nucleobases and nanostructured DNA for enhanced immunostimulatory activity of CpG oligodeoxynucleotide. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 29, 115864.	1.4	5
53	Construction of Monomeric and Dimeric G-Quadruplex-Structured CpG Oligodeoxynucleotides for Enhanced Uptake and Activation in TLR9-Positive Macrophages. <i>Nucleic Acid Therapeutics</i> , 2020, 30, 299-311.	2.0	4
54	Improvement of the Solubility and Intestinal Absorption of Curcumin by N-Acyl Taurates and Elucidation of the Absorption-Enhancing Mechanisms. <i>Biological and Pharmaceutical Bulletin</i> , 2017, 40, 2175-2182.	0.6	3

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55	Chemoproteomic Profiling of a Pharmacophore-Focused Chemical Library. <i>Cell Chemical Biology</i> , 2020, 27, 708-718.e10.	2.5	3
56	Development of multicellular spheroid for cell-based therapy. <i>Drug Delivery System</i> , 2013, 28, 45-53.	0.0	2
57	Development of Advanced Cell-Based Therapy by Regulating Cell-Cell Interactions. <i>Biological and Pharmaceutical Bulletin</i> , 2021, 44, 1029-1036.	0.6	2
58	Enhanced Immunostimulatory Activity of CpG Oligodeoxynucleotide by the Combination of Mannose Modification and Incorporation into Nanostructured DNA. <i>Biological and Pharmaceutical Bulletin</i> , 2020, 43, 1188-1195.	0.6	2
59	Targeted Delivery of Immunostimulatory CpG Oligodeoxynucleotides to Antigen-Presenting Cells in Draining Lymph Nodes by Stearic Acid Modification and Nanostructurization. <i>International Journal of Molecular Sciences</i> , 2022, 23, 1350.	1.8	2
60	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.	1.5	1
61	Improved functioning and targeting of nucleic acid-based immune adjuvants in cancer therapy. <i>Drug Delivery System</i> , 2019, 34, 46-51.	0.0	1
62	Analysis of Tertiary Structural Features of Branched DNA Nanostructures with Partially Common Sequences Using Small-Angle X-ray Scattering. <i>ACS Applied Bio Materials</i> , 2020, 3, 308-314.	2.3	1
63	Development of Oligonucleotide Therapeutics: Tissue Distribution and Drug Delivery Systems. <i>Drug Delivery System</i> , 2021, 36, 40-50.	0.0	1
64	Application of a sodium alginate hydrogel for clear preoperative endoscopic marking using India ink. <i>Polymer Journal</i> , 2020, 52, 977-983.	1.3	0
65	Development of cellular function/kinetics-controllable DDS for effective and safe cell-based therapy. <i>Drug Delivery System</i> , 2018, 33, 344-345.	0.0	0