

Kosuke Kusamori

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

65

papers

986

citations

20

h-index

28

g-index

71

ext. papers

1,211

ext. citations

6

avg, IF

4.32

L-index

#	Paper	IF	Citations
65	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, 267-76	5.7	108
64	Click Chemistry as a Tool for Cell Engineering and Drug Delivery. <i>Molecules</i> , 2019 , 24,	4.8	63
63	Delivery of Oxytocin to the Brain for the Treatment of Autism Spectrum Disorder by Nasal Application. <i>Molecular Pharmaceutics</i> , 2018 , 15, 1105-1111	5.6	46
62	Improvement of Transdermal Delivery of Exendin-4 Using Novel Tip-Loaded Microneedle Arrays Fabricated from Hyaluronic Acid. <i>Molecular Pharmaceutics</i> , 2016 , 13, 272-9	5.6	44
61	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, 3230-8	3.9	42
60	Pharmacokinetics and preventive effects of platinum nanoparticles as reactive oxygen species scavengers on hepatic ischemia/reperfusion injury in mice. <i>Metallomics</i> , 2014 , 6, 1050-6	4.5	37
59	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, 2582-91	6.3	29
58	Transplantation of insulin-secreting multicellular spheroids for the treatment of type 1 diabetes in mice. <i>Journal of Controlled Release</i> , 2014 , 173, 119-24	11.7	28
57	Development of a drug-coated microneedle array and its application for transdermal delivery of interferon alpha. <i>Biofabrication</i> , 2016 , 8, 015006	10.5	27
56	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, 365-73	2.3	26
55	Improved dissolution and absorption of ketoconazole in the presence of organic acids as pH-modifiers. <i>European Journal of Pharmaceutical Sciences</i> , 2015 , 76, 225-30	5.1	25
54	Improvement of intestinal absorption of curcumin by cyclodextrins and the mechanisms underlying absorption enhancement. <i>International Journal of Pharmaceutics</i> , 2018 , 535, 340-349	6.5	25
53	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	6.5	24
52	Poly(N-isopropylacrylamide)-coated microwell arrays for construction and recovery of multicellular spheroids. <i>Journal of Bioscience and Bioengineering</i> , 2013 , 115, 695-9	3.3	24
51	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	2.3	24
50	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	6.5	23
49	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, 1526-34	3.9	23

48	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	11.7	22
47	Small-molecule-induced clustering of heparan sulfate promotes cell adhesion. <i>Journal of the American Chemical Society</i> , 2013 , 135, 11032-9	16.4	21
46	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	5.1	21
45	Absorption and safety of alendronate, a nitrogen-containing bisphosphonate, after intrapulmonary administration in rats. <i>International Journal of Pharmaceutics</i> , 2010 , 400, 124-30	6.5	18
44	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	11.7	18
43	Increased Insulin Secretion from Insulin-Secreting Cells by Construction of Mixed Multicellular Spheroids. <i>Pharmaceutical Research</i> , 2016 , 33, 247-56	4.5	15
42	Anticancer drug-loaded mesenchymal stem cells for targeted cancer therapy. <i>Journal of Controlled Release</i> , 2021 , 329, 1090-1101	11.7	15
41	Synthetic molecules that protect cells from anoikis and their use in cell transplantation. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 11208-13	16.4	14
40	Pivotal role of oxidative stress in tumor metastasis under diabetic conditions in mice. <i>Journal of Controlled Release</i> , 2013 , 170, 191-7	11.7	14
39	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	3.9	13
38	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	3.9	12
37	Nanostructured DNA for the delivery of therapeutic agents. <i>Advanced Drug Delivery Reviews</i> , 2019 , 147, 29-36	18.5	11
36	Long-term drug modification to the surface of mesenchymal stem cells by the avidin-biotin complex method. <i>Scientific Reports</i> , 2017 , 7, 16953	4.9	11
35	Control of polarization and tumoricidal activity of macrophages by multicellular spheroid formation. <i>Journal of Controlled Release</i> , 2018 , 270, 177-183	11.7	11
34	Using size-controlled multicellular spheroids of murine adenocarcinoma cells to efficiently establish pulmonary tumors in mice. <i>Biotechnology Journal</i> , 2017 , 12, 1600513	5.6	10
33	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	11.7	9
32	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, 752-8	5.4	9
31	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	5.7	8

30	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, 318-23	7.8	8
29	Stable Surface Modification of Mesenchymal Stem Cells Using the Avidin-Biotin Complex Technique. <i>Current Protocols in Stem Cell Biology</i> , 2018 , 47, e66	2.8	8
28	Multifunctionalization of Cells with a Self-Assembling Molecule to Enhance Cell Engraftment. <i>ACS Chemical Biology</i> , 2019 , 14, 775-783	4.9	7
27	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	3.9	7
26	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	3.9	7
25	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, 493-9	5.6	6
24	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,	6.3	6
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	8	6
22	Intracellular Delivery of Antisense DNA and siRNA with Amino Groups Masked with Disulfide Units. <i>Chemical and Pharmaceutical Bulletin</i> , 2020 , 68, 129-132	1.9	5
21	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,	6.4	4
20	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	2.3	4
19	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	2.3	4
18	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	5.1	3
17	Synthetic Molecules that Protect Cells from Anoikis and Their Use in Cell Transplantation. <i>Angewandte Chemie</i> , 2014 , 126, 11390-11395	3.6	3
16	Cell-based interferon gene therapy using proliferation-controllable, interferon-releasing mesenchymal stem cells. <i>Scientific Reports</i> , 2019 , 9, 18869	4.9	3
15	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	2.3	2
14	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	2.3	2
13	Chemoproteomic Profiling of a Pharmacophore-Focused Chemical Library. <i>Cell Chemical Biology</i> , 2020 , 27, 708-718.e10	8.2	1

12	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	4.8	1
11	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	3.9	1
10	Development of multicellular spheroid for cell-based therapy. <i>Drug Delivery System</i> , 2013 , 28, 45-53	0	1
9	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	4.1	1
8	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	6	1
7	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	3.4	1
6	Intravenous injection of mesenchymal stem cell spheroids improves the pulmonary delivery and prolongs in vivo survival. <i>Biotechnology Journal</i> , 2021 , e2100137	5.6	0
5	Development of cellular function/kinetics-controllable DDS for effective and safe cell-based therapy. <i>Drug Delivery System</i> , 2018 , 33, 344-345	0	
4	Application of a sodium alginate hydrogel for clear preoperative endoscopic marking using India ink. <i>Polymer Journal</i> , 2020 , 52, 977-983	2.7	
3	Improved functioning and targeting of nucleic acid-based immune adjuvants in cancer therapy. <i>Drug Delivery System</i> , 2019 , 34, 46-51	0	
2	Development of Oligonucleotide Therapeutics: Tissue Distribution and Drug Delivery Systems. <i>Drug Delivery System</i> , 2021 , 36, 40-50	0	
1	Development of Advanced Cell-Based Therapy by Regulating Cell-Cell Interactions. <i>Biological and Pharmaceutical Bulletin</i> , 2021 , 44, 1029-1036	2.3	