Kosuke Kusamori

List of Publications by Year in Descending Order

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	Critical contribution of macrophage scavenger receptor 1 to the uptake of nanostructured DNA by immune cells. *Nanomedicine: Nanotechnology, Biology, and Medicine*, **2021**, 34, 102386	6	1
64	Combined use of chemically modified nucleobases and nanostructured DNA for enhanced immunostimulatory activity of CpG oligodeoxynucleotide. *Bioorganic and Medicinal Chemistry*, **2021**, 29, 115864	3.4	1
63	Anticancer drug-loaded mesenchymal stem cells for targeted cancer therapy. *Journal of Controlled Release*, **2021**, 329, 1090-1101	11.7	15
62	Development of Oligonucleotide Therapeutics: Tissue Distribution and Drug Delivery Systems. *Drug Delivery System*, **2021**, 36, 40-50	0	
61	Development of Advanced Cell-Based Therapy by Regulating Cell-Cell Interactions. *Biological and Pharmaceutical Bulletin*, **2021**, 44, 1029-1036	2.3	
60	Mesenchymal stem/stromal cells as next-generation drug delivery vehicles for cancer therapeutics. *Expert Opinion on Drug Delivery*, **2021**, 18, 1627-1642	8	6
59	Intravenous injection of mesenchymal stem cell spheroids improves the pulmonary delivery and prolongs in vivo survival. *Biotechnology Journal*, **2021**, e2100137	5.6	0
58	Chemoproteomic Profiling of a Pharmacophore-Focused Chemical Library. *Cell Chemical Biology*, **2020**, 27, 708-718.e10	8.2	1
57	Construction of Monomeric and Dimeric G-Quadruplex-Structured CpG Oligodeoxynucleotides for Enhanced Uptake and Activation in TLR9-Positive Macrophages. *Nucleic Acid Therapeutics*, **2020**, 30, 299-311	4.8	1
56	Intracellular Delivery of Antisense DNA and siRNA with Amino Groups Masked with Disulfide Units. *Chemical and Pharmaceutical Bulletin*, **2020**, 68, 129-132	1.9	5
55	Enhanced Immunostimulatory Activity of CpG Oligodeoxynucleotide by the Combination of Mannose Modification and Incorporation into Nanostructured DNA. *Biological and Pharmaceutical Bulletin*, **2020**, 43, 1188-1195	2.3	2
54	Analysis of Tertiary Structural Features of Branched DNA Nanostructures with Partially Common Sequences Using Small-Angle X-ray Scattering.. *ACS Applied Bio Materials*, **2020**, 3, 308-314	4.1	1
53	Application of a sodium alginate hydrogel for clear preoperative endoscopic marking using India ink. *Polymer Journal*, **2020**, 52, 977-983	2.7	
52	Mechanistic Studies on the Absorption-Enhancing Effects of Gemini Surfactant on the Intestinal Absorption of Poorly Absorbed Hydrophilic Drugs in Rats. *Pharmaceutics*, **2019**, 11,	6.4	4
51	Multifunctionalization of Cells with a Self-Assembling Molecule to Enhance Cell Engraftment. *ACS Chemical Biology*, **2019**, 14, 775-783	4.9	7
50	Nanostructured DNA for the delivery of therapeutic agents. *Advanced Drug Delivery Reviews*, **2019**, 147, 29-36	18.5	11
49	Rapid Regulation of Human Mesenchymal Stem Cell Proliferation Using Inducible Caspase-9 Suicide Gene for Safe Cell-Based Therapy. *International Journal of Molecular Sciences*, **2019**, 20,	6.3	6

48	Improved functioning and targeting of nucleic acid-based immune adjuvants in cancer therapy. *Drug Delivery System*, **2019**, 34, 46-51	0	
47	Cell-based interferon gene therapy using proliferation-controllable, interferon-releasing mesenchymal stem cells. *Scientific Reports*, **2019**, 9, 18869	4.9	3
46	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	3.9	13
45	Click Chemistry as a Tool for Cell Engineering and Drug Delivery. *Molecules*, **2019**, 24,	4.8	63
44	Regulation of proliferation and functioning of transplanted cells by using herpes simplex virus thymidine kinase gene in mice. *Journal of Controlled Release*, **2018**, 275, 78-84	11.7	9
43	Delivery of Oxytocin to the Brain for the Treatment of Autism Spectrum Disorder by Nasal Application. *Molecular Pharmaceutics*, **2018**, 15, 1105-1111	5.6	46
42	Novel strategy for improving the bioavailability of curcumin based on a new membrane transport mechanism that directly involves solid particles. *European Journal of Pharmaceutics and Biopharmaceutics*, **2018**, 122, 1-5	5.7	8
41	Role of transient receptor potential melastatin 2 in surgical inflammation and dysmotility in a mouse model of postoperative ileus. *American Journal of Physiology - Renal Physiology*, **2018**, 315, G104-G116	5.1	3
40	Development of cellular function/kinetics-controllable DDS for effective and safe cell-based therapy. *Drug Delivery System*, **2018**, 33, 344-345	0	
39	Control of polarization and tumoricidal activity of macrophages by multicellular spheroid formation. *Journal of Controlled Release*, **2018**, 270, 177-183	11.7	11
38	Improvement of intestinal absorption of curcumin by cyclodextrins and the mechanisms underlying absorption enhancement. *International Journal of Pharmaceutics*, **2018**, 535, 340-349	6.5	25
37	Novel Strategy for the Systemic Delivery of Furosemide Based on a New Drug Transport Mechanism. *Biological and Pharmaceutical Bulletin*, **2018**, 41, 1769-1777	2.3	4
36	Stable Surface Modification of Mesenchymal Stem Cells Using the Avidin-Biotin Complex Technique. *Current Protocols in Stem Cell Biology*, **2018**, 47, e66	2.8	8
35	Combined encapsulation of a tumor antigen and immune cells using a self-assembling immunostimulatory DNA hydrogel to enhance antigen-specific tumor immunity. *Journal of Controlled Release*, **2018**, 288, 189-198	11.7	18
34	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	3.9	7
33	Using size-controlled multicellular spheroids of murine adenocarcinoma cells to efficiently establish pulmonary tumors in mice. *Biotechnology Journal*, **2017**, 12, 1600513	5.6	10
32	Development of PEGylated carboxylic acid-modified polyamidoamine dendrimers as bone-targeting carriers for the treatment of bone diseases. *Journal of Controlled Release*, **2017**, 262, 10-17	11.7	22
31	Nasal drug absorption from powder formulations: The effect of three types of hydroxypropyl cellulose (HPC). *European Journal of Pharmaceutical Sciences*, **2017**, 96, 284-289	5.1	21

30	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	3.9	1
29	Long-term drug modification to the surface of mesenchymal stem cells by the avidin-biotin complex method. *Scientific Reports*, **2017**, 7, 16953	4.9	11
28	Nasal Drug Absorption from Powder Formulations: Effect of Fluid Volume Changes on the Mucosal Surface. *Biological and Pharmaceutical Bulletin*, **2017**, 40, 212-219	2.3	4
27	Optimization of Albumin Secretion and Metabolic Activity of Cytochrome P450 1A1 of Human Hepatoblastoma HepG2 Cells in Multicellular Spheroids by Controlling Spheroid Size. *Biological and Pharmaceutical Bulletin*, **2017**, 40, 334-338	2.3	24
26	Improvement of the Solubility and Intestinal Absorption of Curcumin by N-Acyl Taurates and Elucidation of the Absorption-Enhancing Mechanisms. *Biological and Pharmaceutical Bulletin*, **2017**, 40, 2175-2182	2.3	2
25	Increased Insulin Secretion from Insulin-Secreting Cells by Construction of Mixed Multicellular Spheroids. *Pharmaceutical Research*, **2016**, 33, 247-56	4.5	15
24	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	3.9	7
23	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	3.9	12
22	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	6.5	24
21	Development of a drug-coated microneedle array and its application for transdermal delivery of interferon alpha. *Biofabrication*, **2016**, 8, 015006	10.5	27
20	Importance of the Direct Contact of Amorphous Solid Particles with the Surface of Monolayers for the Transepithelial Permeation of Curcumin. *Molecular Pharmaceutics*, **2016**, 13, 493-9	5.6	6
19	Improvement of Transdermal Delivery of Exendin-4 Using Novel Tip-Loaded Microneedle Arrays Fabricated from Hyaluronic Acid. *Molecular Pharmaceutics*, **2016**, 13, 272-9	5.6	44
18	Permeation of sumatriptan succinate across human skin using multiple types of self-dissolving microneedle arrays fabricated from sodium hyaluronate. *Journal of Drug Targeting*, **2016**, 24, 752-8	5.4	9
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	6.5	23
16	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. *Journal of Pharmaceutical Sciences*, **2016**, 105, 1526-34	3.9	23
15	Improvement of transdermal delivery of sumatriptan succinate using a novel self-dissolving microneedle array fabricated from sodium hyaluronate in rats. *Biological and Pharmaceutical Bulletin*, **2015**, 38, 365-73	2.3	26
14	Improved dissolution and absorption of ketoconazole in the presence of organic acids as pH-modifiers. *European Journal of Pharmaceutical Sciences*, **2015**, 76, 225-30	5.1	25
13	Pharmacokinetics and preventive effects of platinum nanoparticles as reactive oxygen species scavengers on hepatic ischemia/reperfusion injury in mice. *Metallomics*, **2014**, 6, 1050-6	4.5	37

12	Synthetic Molecules that Protect Cells from Anoikis and Their Use in Cell Transplantation. *Angewandte Chemie*, **2014**, 126, 11390-11395	3.6	3
11	Synthetic molecules that protect cells from anoikis and their use in cell transplantation. *Angewandte Chemie - International Edition*, **2014**, 53, 11208-13	16.4	14
10	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, 267-76	5.7	108
9	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. *Free Radical Biology and Medicine*, **2014**, 69, 318-23	7.8	8
8	Transplantation of insulin-secreting multicellular spheroids for the treatment of type 1 diabetes in mice. *Journal of Controlled Release*, **2014**, 173, 119-24	11.7	28
7	Small-molecule-induced clustering of heparan sulfate promotes cell adhesion. *Journal of the American Chemical Society*, **2013**, 135, 11032-9	16.4	21
6	Pivotal role of oxidative stress in tumor metastasis under diabetic conditions in mice. *Journal of Controlled Release*, **2013**, 170, 191-7	11.7	14
5	Poly(N-isopropylacrylamide)-coated microwell arrays for construction and recovery of multicellular spheroids. *Journal of Bioscience and Bioengineering*, **2013**, 115, 695-9	3.3	24
4	Development of multicellular spheroid for cell-based therapy. *Drug Delivery System*, **2013**, 28, 45-53	0	1
3	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. *Journal of Pharmaceutical Sciences*, **2012**, 101, 3230-8	3.9	42
2	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, 2582-91	6.3	29
1	Absorption and safety of alendronate, a nitrogen-containing bisphosphonate, after intrapulmonary administration in rats. *International Journal of Pharmaceutics*, **2010**, 400, 124-30	6.5	18