Yu Sakurai

List of Publications by Year
in descending order

54 papers	2,014 citations	279798 23 h-index	243625 44 g-index
56 all docs	56 docs citations	56 times ranked	2863 citing authors

#	Article	IF	Citations
1	The RNA Sensor RIG-I Dually Functions as an Innate Sensor and Direct Antiviral Factor for Hepatitis B Virus. Immunity, 2015, 42, 123-132.	14.3	353
2	A pH-sensitive cationic lipid facilitates the delivery of liposomal siRNA and gene silencing activity in vitro and in vivo. Journal of Controlled Release, 2012, 163, 267-276.	9.9	264
3	Gene Silencing via RNAi and siRNA Quantification in Tumor Tissue Using MEND, a Liposomal siRNA Delivery System. Molecular Therapy, 2013, 21, 1195-1203.	8.2	112
4	Endosomal escape and the knockdown efficiency of liposomal-siRNA by the fusogenic peptide shGALA. Biomaterials, 2011, 32, 5733-5742.	11.4	107
5	RNAi-mediated gene knockdown and anti-angiogenic therapy of RCCs using a cyclic RGD-modified liposomal-siRNA system. Journal of Controlled Release, 2014, 173, 110-118.	9.9	103
6	Heterogeneity of tumor endothelial cells and drug delivery. Advanced Drug Delivery Reviews, 2016, 99, 140-147.	13.7	88
7	Selfâ€Degradable Lipidâ€Like Materials Based on â€œHydrolysis accelerated by the intraâ€Particle Enrichment of Reactant (HyPER)â€•for Messenger RNA Delivery. Advanced Functional Materials, 2020, 30, 1910575.	14.9	65
8	An aptamer ligand based liposomal nanocarrier system that targets tumor endothelial cells. Biomaterials, 2014, 35, 7110-7120.	11.4	62
9	Remodeling of the Extracellular Matrix by Endothelial Cell-Targeting siRNA Improves the EPR-Based Delivery of 100 nm Particles. Molecular Therapy, 2016, 24, 2090-2099.	8.2	45
10	Efficient Short Interference RNA Delivery to Tumor Cells Using a Combination of Octaarginine, GALA and Tumor-Specific, Cleavable Polyethylene Glycol System. Biological and Pharmaceutical Bulletin, 2009, 32, 928-932.	1.4	43
11	Advances in an active and passive targeting to tumor and adipose tissues. Expert Opinion on Drug Delivery, 2015, 12, 41-52.	5.0	43
12	Effect of particle size on their accumulation in an inflammatory lesion in a dextran sulfate sodium (DSS)-induced colitis model. International Journal of Pharmaceutics, 2016, 509, 118-122.	5.2	43
13	Improvement of Doxorubicin Efficacy Using Liposomal Anti-Polo-like Kinase 1 siRNA in Human Renal Cell Carcinomas. Molecular Pharmaceutics, 2014, 11, 2713-2719.	4.6	41
14	Hepatic Monoacylglycerol O-acyltransferase 1 as a Promising Therapeutic Target for Steatosis, Obesity, and Type 2 Diabetes. Molecular Therapy - Nucleic Acids, 2014, 3, e154.	5.1	40
15	Targeting Tumor Endothelial Cells with Nanoparticles. International Journal of Molecular Sciences, 2019, 20, 5819.	4.1	35
16	Modality of tumor endothelial VEGFR2 silencing-mediated improvement in intratumoral distribution of lipid nanoparticles. Journal of Controlled Release, 2017, 251, 1-10.	9.9	33
17	Development of lipid-like materials for RNA delivery based on intracellular environment-responsive membrane destabilization and spontaneous collapse. Advanced Drug Delivery Reviews, 2020, 154-155, 210-226.	13.7	33
18	Nano-sized drug carriers: Extravasation, intratumoral distribution, and their modeling. Journal of Controlled Release, 2017, 267, 31-46.	9.9	32

#	Article	IF	Citations
19	Efficient siRNA Delivery by Lipid Nanoparticles Modified with a Nonstandard Macrocyclic Peptide for EpCAM-Targeting. Molecular Pharmaceutics, 2017, 14, 3290-3298.	4.6	28
20	Hyaluronan-modified nanoparticles for tumor-targeting. Expert Opinion on Drug Delivery, 2019, 16, 915-936.	5.0	27
21	Mitochondrial Delivery of an Anticancer Drug Via Systemic Administration Using a Mitochondrial Delivery System That Inhibits the Growth of Drug-Resistant Cancer Engrafted on Mice. Journal of Pharmaceutical Sciences, 2020, 109, 2493-2500.	3.3	26
22	A liposomal delivery system that targets liver endothelial cells based on a new peptide motif present in the ApoB-100 sequence. International Journal of Pharmaceutics, 2013, 456, 195-201.	5.2	24
23	Innovative Technologies in Nanomedicines: From Passive Targeting to Active Targeting/From Controlled Pharmacokinetics to Controlled Intracellular Pharmacokinetics. Macromolecular Bioscience, 2017, 17, 1600179.	4.1	23
24	Optimization of a siRNA Carrier Modified with a pH-Sensitive Cationic Lipid and a Cyclic RGD Peptide for Efficiently Targeting Tumor Endothelial Cells. Pharmaceutics, 2015, 7, 320-333.	4.5	22
25	Improved Stability of siRNA-Loaded Lipid Nanoparticles Prepared with a PEG-Monoacyl Fatty Acid Facilitates Ligand-Mediated siRNA Delivery. Molecular Pharmaceutics, 2020, 17, 1397-1404.	4.6	22
26	Ligand density at the surface of a nanoparticle and different uptake mechanism: Two important factors for successful siRNA delivery to liver endothelial cells. International Journal of Pharmaceutics, 2014, 475, 227-237.	5.2	21
27	Mitochondrial Delivery of Doxorubicin Using MITO-Porter Kills Drug-Resistant Renal Cancer Cells via Mitochondrial Toxicity. Journal of Pharmaceutical Sciences, 2017, 106, 2428-2437.	3.3	21
28	Delivery of Oligonucleotides Using a Self-Degradable Lipid-Like Material. Pharmaceutics, 2021, 13, 544.	4.5	20
29	Effective Therapy Using a Liposomal siRNA that Targets the Tumor Vasculature in a Model Murine Breast Cancer with Lung Metastasis. Molecular Therapy - Oncolytics, 2018, 11, 102-108.	4.4	19
30	Anti-angiogenic nanotherapy via active targeting systems to tumors and adipose tissue vasculature. Biomaterials Science, 2015, 3, 1253-1265.	5.4	18
31	The Delivery of Small Interfering RNA to Hepatic Stellate Cells Using a Lipid Nanoparticle Composed of a Vitamin A-Scaffold Lipid-Like Material. Journal of Pharmaceutical Sciences, 2017, 106, 2046-2052.	3.3	17
32	Modifying Cationic Liposomes with Cholesteryl-PEG Prevents Their Aggregation in Human Urine and Enhances Cellular Uptake by Bladder Cancer Cells. Biological and Pharmaceutical Bulletin, 2017, 40, 234-237.	1.4	17
33	Synergistic Enhancement of Cellular Uptake With CD44-Expressing Malignant Pleural Mesothelioma by Combining Cationic Liposome and Hyaluronic Acidâ€"Lipid Conjugate. Journal of Pharmaceutical Sciences, 2019, 108, 3218-3224.	3.3	14
34	Construction of an Aptamer Modified Liposomal System Targeted to Tumor Endothelial Cells. Biological and Pharmaceutical Bulletin, 2014, 37, 1742-1749.	1.4	13
35	Protecting liver sinusoidal endothelial cells suppresses apoptosis in acute liver damage. Hepatology Research, 2016, 46, 697-706.	3.4	13
36	Novel antiangiogenic therapy targeting biglycan using tumor endothelial cellâ€specific liposomal siRNA delivery system. Cancer Science, 2022, 113, 1855-1867.	3.9	12

#	Article	IF	Citations
37	Silencing of VEGFR2 by RGD-Modified Lipid Nanoparticles Enhanced the Efficacy of Anti-PD-1 Antibody by Accelerating Vascular Normalization and Infiltration of T Cells in Tumors. Cancers, 2020, 12, 3630.	3.7	11
38	Improvement of mRNA Delivery Efficiency to a T Cell Line by Modulating PEG-Lipid Content and Phospholipid Components of Lipid Nanoparticles. Pharmaceutics, 2021, 13, 2097.	4.5	11
39	Liver-Specific Silencing of Lipin1 Reduces Fat Mass as Well as Hepatic Triglyceride Biosynthesis in Mice. Biological and Pharmaceutical Bulletin, 2016, 39, 1653-1661.	1.4	10
40	Development of Sentinel LN Imaging with a Combination of HAase Based on a Comprehensive Analysis of the Intra-lymphatic Kinetics of LPs. Molecular Therapy, 2021, 29, 225-235.	8.2	10
41	New drug delivery system for liver sinusoidal endothelial cells for ischemia-reperfusion injury. World Journal of Gastroenterology, 2015, 21, 12778.	3.3	10
42	Involvement of Caveolin-1-mediated transcytosis in the intratumoral accumulation of liposomes. Biochemical and Biophysical Research Communications, 2020, 525, 313-318.	2.1	9
43	Targeted delivery of lipid nanoparticle to lymphatic endothelial cells via anti-podoplanin antibody. Journal of Controlled Release, 2022, 349, 379-387.	9.9	9
44	Efficient Packaging of Plasmid DNA Using a pH Sensitive Cationic Lipid for Delivery to Hepatocytes. Biological and Pharmaceutical Bulletin, 2015, 38, 1185-1191.	1.4	6
45	Development on Rubber Bearings for Sodium-Cooled Fast Reactor: Part 2 â€" Fundamental Characteristics of Half-Scale Rubber Bearings Based on Static Test. , 2015, , .		6
46	Optimization of Sentinel Lymph Node Imaging Methodology Using Anionic Liposome and Hyaluronidase. Pharmaceutics, 2021, 13, 1462.	4.5	6
47	Research and Development of Rubber Bearings for Sodium-Cooled Fast Reactor: Ultimate Properties of Half-Scale Thick Rubber Bearings Based on Breaking Tests. Journal of Pressure Vessel Technology, Transactions of the ASME, 2018, 140, .	0.6	6
48	Preparation of a Cyclic RGD: Modified Liposomal SiRNA Formulation for Use in Active Targeting to Tumor and Tumor Endothelial Cells. Methods in Molecular Biology, 2016, 1364, 63-69.	0.9	5
49	Failure of active targeting by a cholesterol-anchored ligand and improvement by altering the lipid composition to prevent ligand desorption. International Journal of Pharmaceutics, 2018, 536, 42-49.	5.2	4
50	Scalable preparation of poly(ethylene glycol)-grafted siRNA-loaded lipid nanoparticles using a commercially available fluidic device and tangential flow filtration. Journal of Biomaterials Science, Polymer Edition, 2017, 28, 1086-1096.	3.5	3
51	A complicated interpretation of a therapeutic effect with humanized mice using a novel peptide platform. Biotarget, 0, 1, 4-4.	0.5	3
52	EPR effect and development of new strategy for nanoparticle delivery via remodeling tumor microenvironment based on tumor vasculature targeting. Drug Delivery System, 2018, 33, 98-104.	0.0	1
53	Proteomics Analysis of Lymphatic Metastasis-Related Proteins Using Highly Metastatic Human Melanoma Cells Originated by Sequential <i>in Vivo</i> Implantation. Biological and Pharmaceutical Bulletin, 2021, 44, 1551-1556.	1.4	0
54	Anti-angiogenic Therapy by Targeting the Tumor Vasculature with Liposomes. Fundamental Biomedical Technologies, 2016, , 201-228.	0.2	0