

Yusuke Sato

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

8,635
citations

101543

36
h-index

64796

79
g-index

82
all docs

82
docs citations

82
times ranked

14126
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined nano cancer immunotherapy based on immune status in a tumor microenvironment. <i>Journal of Controlled Release</i> , 2022, 345, 200-213.	9.9	13
2	Retrograde Axonal Transport of Liposomes from Peripheral Tissue to Spinal Cord and DRGs by Optimized Phospholipid and CTB Modification. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6661.	4.1	2
3	On the size-regulation of RNA-loaded lipid nanoparticles synthesized by microfluidic device. <i>Journal of Controlled Release</i> , 2022, 348, 648-659.	9.9	18
4	Innovative cancer nanomedicine based on immunology, gene editing, intracellular trafficking control. <i>Journal of Controlled Release</i> , 2022, 348, 357-369.	9.9	3
5	Interval- and cycle-dependent combined effect of STING agonist loaded lipid nanoparticles and a PD-1 antibody. <i>International Journal of Pharmaceutics</i> , 2022, 624, 122034.	5.2	6
6	Extrahepatic targeting of lipid nanoparticles in vivo with intracellular targeting for future nanomedicines. <i>Advanced Drug Delivery Reviews</i> , 2022, 188, 114417.	13.7	42
7	Lipid nanoparticles loaded with ribonucleoprotein-oligonucleotide complexes synthesized using a microfluidic device exhibit robust genome editing and hepatitis B virus inhibition. <i>Journal of Controlled Release</i> , 2021, 330, 61-71.	9.9	54
8	Discovery of Functional Alternatively Spliced PKM Transcripts in Human Cancers. <i>Cancers</i> , 2021, 13, 348.	3.7	8
9	Three-dimensional, symmetrically assembled microfluidic device for lipid nanoparticle production. <i>RSC Advances</i> , 2021, 11, 1430-1439.	3.6	18
10	The nanomedicine rush: New strategies for unmet medical needs based on innovative nano DDS. <i>Journal of Controlled Release</i> , 2021, 330, 305-316.	9.9	24
11	Novel PEGylated Lipid Nanoparticles Have a High Encapsulation Efficiency and Effectively Deliver MRTF-B siRNA in Conjunctival Fibroblasts. <i>Pharmaceutics</i> , 2021, 13, 382.	4.5	17
12	Interferon signaling suppresses the unfolded protein response and induces cell death in hepatocytes accumulating hepatitis B surface antigen. <i>PLoS Pathogens</i> , 2021, 17, e1009228.	4.7	13
13	Stratification of patients with clear cell renal cell carcinoma to facilitate drug repositioning. <i>IScience</i> , 2021, 24, 102722.	4.1	8
14	Maximizing the Oral Bioavailability of Poorly Water-Soluble Drugs Using Novel Oil-Like Materials in Lipid-Based Formulations. <i>Molecular Pharmaceutics</i> , 2021, 18, 3281-3289.	4.6	5
15	The hydrophobic tail of a pH-sensitive cationic lipid influences siRNA transfection activity and toxicity in human NK cell lines. <i>International Journal of Pharmaceutics</i> , 2021, 609, 121140.	5.2	17
16	Development of Lipid Nanoparticles for the Delivery of Macromolecules Based on the Molecular Design of pH-Sensitive Cationic Lipids. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 1141-1159.	1.3	14
17	Hydrophobic scaffolds of pH-sensitive cationic lipids contribute to miscibility with phospholipids and improve the efficiency of delivering short interfering RNA by small-sized lipid nanoparticles. <i>Acta Biomaterialia</i> , 2020, 102, 341-350.	8.3	35
18	The use of design of experiments with multiple responses to determine optimal formulations for in vivo hepatic mRNA delivery. <i>Journal of Controlled Release</i> , 2020, 327, 467-476.	9.9	35

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19	Evolution of drug delivery system from viewpoint of controlled intracellular trafficking and selective tissue targeting toward future nanomedicine. <i>Journal of Controlled Release</i> , 2020, 327, 533-545.	9.9	23
20	Lipid nanoparticles fuse with cell membranes of immune cells at low temperatures leading to the loss of transfection activity. <i>International Journal of Pharmaceutics</i> , 2020, 587, 119652.	5.2	16
21	New Design Strategies for Controlling the Rate of Hydrophobic Drug Release from Nanoemulsions in Blood Circulation. <i>Molecular Pharmaceutics</i> , 2020, 17, 3773-3782.	4.6	6
22	Different kinetics for the hepatic uptake of lipid nanoparticles between the apolipoprotein E/low density lipoprotein receptor and the N-acetyl-d-galactosamine/asialoglycoprotein receptor pathway. <i>Journal of Controlled Release</i> , 2020, 322, 217-226.	9.9	40
23	Manipulating the function of tumor-associated macrophages by siRNA-loaded lipid nanoparticles for cancer immunotherapy. <i>Journal of Controlled Release</i> , 2020, 325, 235-248.	9.9	65
24	Classification of clear cell renal cell carcinoma based on PKM alternative splicing. <i>Heliyon</i> , 2020, 6, e03440.	3.2	9
25	The Effect of Size and Charge of Lipid Nanoparticles Prepared by Microfluidic Mixing on Their Lymph Node Transitivity and Distribution. <i>Molecular Pharmaceutics</i> , 2020, 17, 944-953.	4.6	98
26	The silencing of indoleamine 2,3-dioxygenase 1 (IDO1) in dendritic cells by siRNA-loaded lipid nanoparticles enhances cell-based cancer immunotherapy. <i>Scientific Reports</i> , 2019, 9, 11335.	3.3	42
27	Recent advances in the targeting of systemically administered non-viral gene delivery systems. <i>Expert Opinion on Drug Delivery</i> , 2019, 16, 1037-1050.	5.0	15
28	Innovative nanotechnologies for enhancing nucleic acids/gene therapy: Controlling intracellular trafficking to targeted biodistribution. <i>Biomaterials</i> , 2019, 218, 119329.	11.4	37
29	A study of the endocytosis mechanism and transendothelial activity of lung-targeted GALA-modified liposomes. <i>Journal of Controlled Release</i> , 2019, 307, 55-63.	9.9	35
30	Age-related remodelling of oesophageal epithelia by mutated cancer drivers. <i>Nature</i> , 2019, 565, 312-317.	27.8	476
31	Understanding structure-activity relationships of pH-sensitive cationic lipids facilitates the rational identification of promising lipid nanoparticles for delivering siRNAs in vivo. <i>Journal of Controlled Release</i> , 2019, 295, 140-152.	9.9	104
32	Two Modes of Toxicity of Lipid Nanoparticles Containing a pH-Sensitive Cationic Lipid on Human A375 and A375-SM Melanoma Cell Lines. <i>BPB Reports</i> , 2019, 2, 48-55.	0.3	3
33	Reducing the Cytotoxicity of Lipid Nanoparticles Associated with a Fusogenic Cationic Lipid in a Natural Killer Cell Line by Introducing a Polycation-Based siRNA Core. <i>Molecular Pharmaceutics</i> , 2018, 15, 2142-2150.	4.6	49
34	Advances in microfluidics for lipid nanoparticles and extracellular vesicles and applications in drug delivery systems. <i>Advanced Drug Delivery Reviews</i> , 2018, 128, 84-100.	13.7	215
35	Prognostic relevance of integrated genetic profiling in adult T-cell leukemia/lymphoma. <i>Blood</i> , 2018, 131, 215-225.	1.4	124
36	Integrated Molecular Characterization of the Lethal Pediatric Cancer Pancreatoblastoma. <i>Cancer Research</i> , 2018, 78, 865-876.	0.9	25

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37	Mixing lipids to manipulate the ionization status of lipid nanoparticles for specific tissue targeting. <i>International Journal of Nanomedicine</i> , 2018, Volume 13, 8395-8410.	6.7	38
38	Aberrant splicing and defective mRNA production induced by somatic spliceosome mutations in myelodysplasia. <i>Nature Communications</i> , 2018, 9, 3649.	12.8	140
39	Development of the iLiNP Device: Fine Tuning the Lipid Nanoparticle Size within 10 nm for Drug Delivery. <i>ACS Omega</i> , 2018, 3, 5044-5051.	3.5	124
40	Neutralization of negative charges of siRNA results in improved safety and efficient gene silencing activity of lipid nanoparticles loaded with high levels of siRNA. <i>Journal of Controlled Release</i> , 2018, 284, 179-187.	9.9	32
41	Novel and Significant Impact of Germline Variants Predisposed to Pathogenic Somatic Mutations and Loss of Heterozygosity (LOH) in Myelodysplastic Syndromes (MDS) and Clonal Hematopoiesis of Indeterminate Potential (CHIP). <i>Blood</i> , 2018, 132, 108-108.	1.4	0
42	Genetic abnormalities in myelodysplasia and secondary acute myeloid leukemia: impact on outcome of stem cell transplantation. <i>Blood</i> , 2017, 129, 2347-2358.	1.4	268
43	Partial monosomy of 10p and duplication of another chromosome in two patients. <i>Pediatrics International</i> , 2017, 59, 99-102.	0.5	1
44	PEGylation of the GALA Peptide Enhances the Lung-Targeting Activity of Nanocarriers That Contain Encapsulated siRNA. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 2420-2427.	3.3	32
45	Dynamics of clonal evolution in myelodysplastic syndromes. <i>Nature Genetics</i> , 2017, 49, 204-212.	21.4	348
46	Gene expression and risk of leukemic transformation in myelodysplasia. <i>Blood</i> , 2017, 130, 2642-2653.	1.4	64
47	Highly specific delivery of siRNA to hepatocytes circumvents endothelial cell-mediated lipid nanoparticle-associated toxicity leading to the safe and efficacious decrease in the hepatitis B virus. <i>Journal of Controlled Release</i> , 2017, 266, 216-225.	9.9	73
48	Loss of DNA Damage Response in Neuroblastoma and Utility of a PARP Inhibitor. <i>Journal of the National Cancer Institute</i> , 2017, 109, .	6.3	43
49	pH-labile PEGylation of siRNA-loaded lipid nanoparticle improves active targeting and gene silencing activity in hepatocytes. <i>Journal of Controlled Release</i> , 2017, 262, 239-246.	9.9	31
50	Novel lincRNA SLINKY is a prognostic biomarker in kidney cancer. <i>Oncotarget</i> , 2017, 8, 18657-18669.	1.8	21
51	Understanding the formation mechanism of lipid nanoparticles in microfluidic devices with chaotic micromixers. <i>PLoS ONE</i> , 2017, 12, e0187962.	2.5	96
52	Identification of the genetic and clinical characteristics of neuroblastomas using genome-wide analysis. <i>Oncotarget</i> , 2017, 8, 107513-107529.	1.8	23
53	Small-sized, stable lipid nanoparticle for the efficient delivery of siRNA to human immune cell lines. <i>Scientific Reports</i> , 2016, 6, 37849.	3.3	60
54	Neoantigen Load, Antigen Presentation Machinery, and Immune Signatures Determine Prognosis in Clear Cell Renal Cell Carcinoma. <i>Cancer Immunology Research</i> , 2016, 4, 463-471.	3.4	76

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55	Anti-tumor effect via passive anti-angiogenesis of PEGylated liposomes encapsulating doxorubicin in drug resistant tumors. <i>International Journal of Pharmaceutics</i> , 2016, 509, 178-187.	5.2	49
56	Genomic analysis of clonal origin of Langerhans cell histiocytosis following acute lymphoblastic leukaemia. <i>British Journal of Haematology</i> , 2016, 175, 169-172.	2.5	12
57	Variegated RHOA mutations in adult T-cell leukemia/lymphoma. <i>Blood</i> , 2016, 127, 596-604.	1.4	98
58	Truncation and microdeletion of <i>EVC</i> / <i>EVC2</i> with missense mutation of <i>EFCAB7</i> in Ellis-van Creveld syndrome. <i>Congenital Anomalies (discontinued)</i> , 2016, 56, 209-216.	0.6	9
59	Relationship Between the Physicochemical Properties of Lipid Nanoparticles and the Quality of siRNA Delivery to Liver Cells. <i>Molecular Therapy</i> , 2016, 24, 788-795.	8.2	59
60	Elucidation of the physicochemical properties and potency of siRNA-loaded small-sized lipid nanoparticles for siRNA delivery. <i>Journal of Controlled Release</i> , 2016, 229, 48-57.	9.9	81
61	A lipid nanoparticle for the efficient delivery of siRNA to dendritic cells. <i>Journal of Controlled Release</i> , 2016, 225, 183-191.	9.9	97
62	Adults with germline CBL mutation complicated with juvenile myelomonocytic leukemia at infancy. <i>Journal of Human Genetics</i> , 2016, 61, 523-526.	2.3	12
63	Novel pH-sensitive multifunctional envelope-type nanodevice for siRNA-based treatments for chronic HBV infection. <i>Journal of Hepatology</i> , 2016, 64, 547-555.	3.7	57
64	Genome-Wide Analysis of Ocular Adnexal Lymphoproliferative Disorders Using High-Resolution Single Nucleotide Polymorphism Array. , 2015, 56, 4156.		17
65	Mutational landscape and clonal architecture in grade II and III gliomas. <i>Nature Genetics</i> , 2015, 47, 458-468.	21.4	729
66	Integrated molecular analysis of adult T cell leukemia/lymphoma. <i>Nature Genetics</i> , 2015, 47, 1304-1315.	21.4	659
67	Size-dependent specific targeting and efficient gene silencing in peritoneal macrophages using a pH-sensitive cationic liposomal siRNA carrier. <i>International Journal of Pharmaceutics</i> , 2015, 495, 171-178.	5.2	23
68	Liposomes loaded with a STING pathway ligand, cyclic di-GMP, enhance cancer immunotherapy against metastatic melanoma. <i>Journal of Controlled Release</i> , 2015, 216, 149-157.	9.9	157
69	Genomic landscape of liposarcoma. <i>Oncotarget</i> , 2015, 6, 42429-42444.	1.8	94
70	The landscape and clonal architecture in lower grade glioma.. <i>Journal of Clinical Oncology</i> , 2015, 33, 2008-2008.	1.6	0
71	A new adjuvant delivery system "cyclic di-GMP/YSK05 liposome"™ for cancer immunotherapy. <i>Journal of Controlled Release</i> , 2014, 184, 20-27.	9.9	130
72	Multifunctional envelope-type nano device for controlled intracellular trafficking and selective targeting in vivo. <i>Journal of Controlled Release</i> , 2014, 190, 593-606.	9.9	48

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73	In vivo therapeutic potential of Dicer-hunting siRNAs targeting infectious hepatitis C virus.. Scientific Reports, 2014, 4, 4750.	3.3	47
74	Chronological Analysis of Clonal Evolution in Acquired Aplastic Anemia. Blood, 2014, 124, 253-253.	1.4	4
75	Landscape of Genetic Alterations in Adult T-Cell Leukemia/Lymphoma. Blood, 2014, 124, 75-75.	1.4	1
76	In Analogy to AML, MDS Can be Sub-Classified By Ancestral Mutations. Blood, 2014, 124, 823-823.	1.4	4
77	Comprehensive Analysis of Aberrant RNA Splicing in Myelodysplastic Syndromes. Blood, 2014, 124, 826-826.	1.4	6
78	A Neutral Envelopeâ€”Type Nanoparticle Containing pHâ€”Responsive and SSâ€”Cleavable Lipidâ€”Like Material as a Carrier for Plasmid DNA. Advanced Healthcare Materials, 2013, 2, 1120-1125.	7.6	67
79	Integrated molecular analysis of clear-cell renal cell carcinoma. Nature Genetics, 2013, 45, 860-867.	21.4	955
80	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
81	Frequent pathway mutations of splicing machinery in myelodysplasia. Nature, 2011, 478, 64-69.	27.8	1,764