

# Yoshinori Kato

## List of Publications by Year in descending order

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Version: 2024-02-01

47  
papers

2,331  
citations

279798

23  
h-index

214800

47  
g-index

47  
all docs

47  
docs citations

47  
times ranked

3559  
citing authors

#	ARTICLE	IF	CITATIONS
1	Natural D-glucose as a biodegradable MRI contrast agent for detecting cancer. <i>Magnetic Resonance in Medicine</i> , 2012, 68, 1764-1773.	3.0	295
2	Twist Overexpression Induces <i>In vivo</i> Angiogenesis and Correlates with Chromosomal Instability in Breast Cancer. <i>Cancer Research</i> , 2005, 65, 10801-10809.	0.9	257
3	Application of Chitin and Chitosan Derivatives in the Pharmaceutical Field. <i>Current Pharmaceutical Biotechnology</i> , 2003, 4, 303-309.	1.6	228
4	N-succinyl-chitosan as a drug carrier: water-insoluble and water-soluble conjugates. <i>Biomaterials</i> , 2004, 25, 907-915.	11.4	156
5	Twist contributes to hormone resistance in breast cancer by downregulating estrogen receptor- $\alpha$ . <i>Oncogene</i> , 2012, 31, 3223-3234.	5.9	135
6	Biological characteristics of lactosaminated N-succinyl-chitosan as a liver-specific drug carrier in mice. <i>Journal of Controlled Release</i> , 2001, 70, 295-307.	9.9	102
7	Dynamic glucose enhanced (DGE) MRI for combined imaging of blood-brain barrier break down and increased blood volume in brain cancer. <i>Magnetic Resonance in Medicine</i> , 2015, 74, 1556-1563.	3.0	94
8	Evaluation of N-succinyl-chitosan as a systemic long-circulating polymer. <i>Biomaterials</i> , 2000, 21, 1579-1585.	11.4	86
9	The Twist Box Domain Is Required for Twist1-induced Prostate Cancer Metastasis. <i>Molecular Cancer Research</i> , 2013, 11, 1387-1400.	3.4	79
10	Imaging of cationic multifunctional liposome-mediated delivery of COX-2 siRNA. <i>Cancer Gene Therapy</i> , 2009, 16, 217-226.	4.6	73
11	Imaging transplanted stem cells in real time using an MRI dual-contrast method. <i>Scientific Reports</i> , 2015, 5, 13628.	3.3	51
12	Potentiality of double liposomes containing salmon calcitonin as an oral dosage form. <i>Journal of Controlled Release</i> , 2003, 89, 429-436.	9.9	50
13	NZ51, a ring-expanded nucleoside analog, inhibits motility and viability of breast cancer cells by targeting the RNA helicase DDX3. <i>Oncotarget</i> , 2015, 6, 29901-29913.	1.8	45
14	Lactosaminated and intact N-succinyl-chitosans as drug carriers in liver metastasis. <i>International Journal of Pharmaceutics</i> , 2001, 226, 93-106.	5.2	43
15	Novel Hsp90 inhibitor NVP-AUY922 radiosensitizes prostate cancer cells. <i>Cancer Biology and Therapy</i> , 2013, 14, 347-356.	3.4	43
16	Double Liposomes: Hypoglycemic Effects of Liposomal Insulin on Normal Rats. <i>Drug Development and Industrial Pharmacy</i> , 2003, 29, 725-731.	2.0	39
17	Bioorthogonal, two-component delivery systems based on antibody and drug-loaded nanocarriers for enhanced internalization of nanotherapeutics. <i>Biomaterials</i> , 2014, 35, 2346-2354.	11.4	34
18	Endocan as a prognostic biomarker of triple-negative breast cancer. <i>Breast Cancer Research and Treatment</i> , 2017, 161, 269-278.	2.5	34

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19	Contribution of chitosan and its derivatives to cancer chemotherapy. <i>In Vivo</i> , 2005, 19, 301-10.	1.3	32
20	Noninvasive visualization of in vivo release and intratumoral distribution of surrogate MR contrast agent using the dual MR contrast technique. <i>Biomaterials</i> , 2010, 31, 7132-7138.	11.4	31
21	Bioorthogonal two-component drug delivery in HER2(+) breast cancer mouse models. <i>Scientific Reports</i> , 2016, 6, 24298.	3.3	31
22	Non-Temperature Induced Effects of Magnetized Iron Oxide Nanoparticles in Alternating Magnetic Field in Cancer Cells. <i>PLoS ONE</i> , 2016, 11, e0156294.	2.5	27
23	Biological Fate of Highly-Succinylated N-Succinyl-chitosan and Antitumor Characteristics of Its Water-soluble Conjugate with Mitomycin C at I.v. and I.p. Administration into Tumor-Bearing Mice.. <i>Biological and Pharmaceutical Bulletin</i> , 2000, 23, 1497-1503.	1.4	25
24	Noninvasive <sup>1</sup> H/ <sup>13</sup> C magnetic resonance spectroscopic imaging of the intratumoral distribution of temozolomide. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 755-761.	3.0	24
25	Heterogeneity of Tumor Vasculature and Antiangiogenic Intervention: Insights from MR Angiography and DCE-MRI. <i>PLoS ONE</i> , 2014, 9, e86583.	2.5	21
26	Structure-Function Studies of the bHLH Phosphorylation Domain of TWIST1 in Prostate Cancer Cells. <i>Neoplasia</i> , 2015, 17, 16-31.	5.3	21
27	Depolymerization of N-succinyl-chitosan by hydrochloric acid. <i>Carbohydrate Research</i> , 2002, 337, 561-564.	2.3	20
28	In vitro characteristics of liposomes and double liposomes prepared using a novel glass beads method. <i>Journal of Controlled Release</i> , 2003, 90, 71-79.	9.9	20
29	Preparation of novel double liposomes using the glass-filter method. <i>International Journal of Pharmaceutics</i> , 2002, 248, 93-99.	5.2	19
30	Monitoring of release of cargo from nanocarriers by MRI/MR spectroscopy (MRS): Significance of $T_2$ effect of iron particles. <i>Magnetic Resonance in Medicine</i> , 2009, 61, 1059-1065.	3.0	19
31	Role of Apoptosis Signal-regulating Kinase 1 (ASK1) as an Activator of the GAPDH-Siah1 Stress-Signaling Cascade. <i>Journal of Biological Chemistry</i> , 2015, 290, 56-64.	3.4	18
32	In vivo efficacy of a novel double liposome as an oral dosage form of salmon calcitonin. <i>Drug Development Research</i> , 2003, 58, 253-257.	2.9	17
33	Contributing factors of temozolomide resistance in MCF-7 tumor xenograft models. <i>Cancer Biology and Therapy</i> , 2007, 6, 891-897.	3.4	17
34	Quantification and tracking of genetically engineered dendritic cells for studying immunotherapy. <i>Magnetic Resonance in Medicine</i> , 2018, 79, 1010-1019.	3.0	17
35	Noninvasive Imaging of Liposomal Delivery of Superparamagnetic Iron Oxide Nanoparticles to Orthotopic Human Breast Tumor in Mice. <i>Pharmaceutical Research</i> , 2015, 32, 3746-3755.	3.5	16
36	Efficacy of lactosaminated and intact N-succinyl-chitosan-mitomycin C conjugates against M5076 liver metastatic cancer. <i>Journal of Pharmacy and Pharmacology</i> , 2010, 54, 529-537.	2.4	15

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37	Enhancement of transdermal absorption by switching iontophoresis. <i>International Journal of Pharmaceutics</i> , 2002, 249, 81-88.	5.2	13
38	PLGA nanoparticle formulation of RK-33: an RNA helicase inhibitor against DDX3. <i>Cancer Chemotherapy and Pharmacology</i> , 2015, 76, 821-827.	2.3	12
39	Ganetespib radiosensitization for liver cancer therapy. <i>Cancer Biology and Therapy</i> , 2016, 17, 457-466.	3.4	12
40	Intracellular Delivery of Nanocarriers for Cancer Therapy. <i>Current Nanoscience</i> , 2007, 3, 329-338.	1.2	12
41	Noninvasive detection of temozolomide in brain tumor xenografts by magnetic resonance spectroscopy. <i>Neuro-Oncology</i> , 2010, 12, 71-79.	1.2	11
42	Intrinsic Resistance to 5-Fluorouracil in a Brain Metastatic Variant of Human Breast Cancer Cell Line, MDA-MB-231BR. <i>PLoS ONE</i> , 2016, 11, e0164250.	2.5	11
43	A preclinical murine model for the early detection of radiation-induced brain injury using magnetic resonance imaging and behavioral tests for learning and memory: with applications for the evaluation of possible stem cell imaging agents and therapies. <i>Journal of Neuro-Oncology</i> , 2016, 128, 225-233.	2.9	8
44	Comparison of intraperitoneal continuous infusion of floxuridine and bolus administration in a peritoneal gastric cancer xenograft model. <i>Cancer Chemotherapy and Pharmacology</i> , 2004, 53, 415-422.	2.3	6
45	Water exchange-minimizing DCE-MRI protocol to detect changes in tumor vascular parameters: effect of bevacizumab/paclitaxel combination therapy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 161-170.	2.0	6
46	Lactosaminated N-succinyl-chitosan: Preparation and biodistribution into the intestine, bone, lymph nodes and male genital organs after I.v. administration. <i>Macromolecular Research</i> , 2003, 11, 382-386.	2.4	4
47	Direct Cell Labeling to Image Transplanted Stem Cells in Real Time Using a Dual-Contrast MRI Technique. <i>Current Protocols in Stem Cell Biology</i> , 2017, 42, 5A.10.1-5A.10.19.	3.0	2