Moriaki Kusakabe

List of Publications by Year
in descending order

38	585	840776 11	642732 23
papers	citations	h-index	g-index

39	39	39	635
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tenascinâ€C regulates angiogenesis in tumor through the regulation of vascular endothelial growth factor expression. International Journal of Cancer, 2004, 108, 31-40.	5.1	77
2	Magnetometer with nitrogen-vacancy center in a bulk diamond for detecting magnetic nanoparticles in biomedical applications. Scientific Reports, 2020, 10, 2483.	3.3	66
3	Sentinel lymph node biopsy in patients with breast cancer using superparamagnetic iron oxide and a magnetometer. Breast Cancer, 2013, 20, 223-229.	2.9	56
4	Handheld magnetic probe with permanent magnet and Hall sensor for identifying sentinel lymph nodes in breast cancer patients. Scientific Reports, 2018, 8, 1195.	3.3	56
5	Multicenter clinical trial on sentinel lymph node biopsy using superparamagnetic iron oxide nanoparticles and a novel handheld magnetic probe. Journal of Surgical Oncology, 2019, 120, 1391-1396.	1.7	53
6	Effect of Tenascin-C Deficiency on Chemically Induced Dermatitis in the Mouse. Journal of Investigative Dermatology, 1998, 111, 930-935.	0.7	51
7	PDGF Receptor-Î± Deficiency in Glomerular Mesangial Cells of Tenascin-C Knockout Mice. Biochemical and Biophysical Research Communications, 2002, 290, 1220-1227.	2.1	30
8	Development of Magnetic Probe for Sentinel Lymph Node Detection in Laparoscopic Navigation for Gastric Cancer Patients. Scientific Reports, 2020, 10, 1798.	3.3	18
9	Differential expression of tenascin in the skin during hapten-induced dermatitis. Histochemistry and Cell Biology, 1996, 106, 263-273.	1.7	17
10	Application of Magnetic Nanoparticles for Rapid Detection and In Situ Diagnosis in Clinical Oncology. Cancers, 2022, 14, 364.	3.7	15
11	Tenascin-C Expression and Splice Variant in Habu Snake Venom-Induced Glomerulonephritis. Experimental and Molecular Pathology, 2002, 72, 186-195.	2.1	14
12	Development of device for quantifying magnetic nanoparticle tracers accumulating in sentinel lymph nodes. AIP Advances, 2018, 8, .	1.3	12
13	Magnetically Promoted Rapid Immunofluorescence Staining for Frozen Tissue Sections. Journal of Histochemistry and Cytochemistry, 2019, 67, 575-587.	2.5	11
14	Moving a neodymium magnet promotes the migration of a magnetic tracer and increases the monitoring counts on the skin surface of sentinel lymph nodes in breast cancer. BMC Medical Imaging, 2020, 20, 58.	2.7	10
15	Intraoperative laparoscopic detection of sentinel lymph nodes with indocyanine green and superparamagnetic iron oxide in a swine gallbladder cancer model. PLoS ONE, 2021, 16, e0248531.	2.5	9
16	Magnetically Guided Localization Using a Guiding-Marker SystemÂ® and a Handheld Magnetic Probe for Nonpalpable Breast Lesions: A Multicenter Feasibility Study in Japan. Cancers, 2021, 13, 2923.	3.7	9
17	Combined use of fluorescence with a magnetic tracer and dilution effect upon sentinel node localization in a murine model. International Journal of Nanomedicine, 2018, Volume 13, 2427-2433.	6.7	8
18	Three-dimensional sensitivity mapping of a handheld magnetic probe for sentinel lymph node biopsy. AIP Advances, 2017, 7, .	1.3	7

#	Article	IF	Citations
19	MR lymphography with superparamagnetic iron oxide for sentinel lymph node mapping of N0 early oral cancer: A pilot study. Dentomaxillofacial Radiology, 2021, 50, 20200333.	2.7	6
20	A magnetic probe equipped with small-tip permanent magnet for sentinel lymph node biopsy. AIP Advances, 2017, 7, .	1.3	5
21	Magnetic Field Generation System of the Magnetic Probe With Diamond Quantum Sensor and Ferromagnetic Materials for the Detection of Sentinel Lymph Nodes With Magnetic Nanoparticles. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	5
22	Optimization of SPIO Injection for Sentinel Lymph Node Dissection in a Rat Model. Cancers, 2021, 13, 5031.	3.7	5
23	Exploratory Study of Superparamagnetic Iron Oxide Dose Optimization in Breast Cancer Sentinel Lymph Node Identification Using a Handheld Magnetic Probe and Iron Quantitation. Cancers, 2022, 14, 1409.	3.7	5
24	Magnetic sentinel lymph node biopsy in a murine tumour model. Nanomedicine: Nanotechnology, Biology, and Medicine, 2016, 12, 1045-1052.	3.3	4
25	Development of magnet configurations for magnetic immunostaining. AIP Advances, 2018, 8, .	1.3	4
26	Establishment of a model of sentinel lymph node metastasis using immunodeficient swine. Scientific Reports, 2019, 9, 7923.	3.3	4
27	Proof of Concept Study for Increasing Tenascin-C-Targeted Drug Delivery to Tumors Previously Subjected to Therapy: X-Irradiation Increases Tumor Uptake. Cancers, 2020, 12, 3652.	3.7	4
28	Magnetic Nanoparticle Detection by Utilizing Nonlinear Magnetization for Sentinel Lymph Nodes of Breast Cancer Patients. IEEE Transactions on Magnetics, 2021, 57, 1-4.	2.1	4
29	Development of the Probe for Detecting Magnetic Fluid in Lymph Nodes. IEEJ Transactions on Fundamentals and Materials, 2014, 134, 266-272.	0.2	4
30	Development of an automatic magnetic immunostaining system for rapid intraoperative diagnosis of cancer metastasis. AIP Advances, 2020, 10, .	1.3	3
31	Development of an optimized dome-shaped magnet for rapid magnetic immunostaining. AIP Advances, 2020, 10, .	1.3	3
32	Sentinel lymph node biopsy with a handheld cordless magnetic probe following preoperative MR lymphography using superparamagnetic iron oxide for clinically N0 early oral cancer: A feasibility study. Journal of Stomatology, Oral and Maxillofacial Surgery, 2022, , .	1.3	3
33	Virus Detection using Second Harmonics of Magnetic Nanoparticles. IEEJ Transactions on Electrical and Electronic Engineering, 0, , .	1.4	3
34	Magnetic characteristics of a magnetic marker for localized tumor excision with a handheld magnetic probe. AIP Advances, 2020, 10, .	1.3	2
35	Comprehensive DNA microarray expression profiles of tumors in tenascin-C-knockout mice. Bioscience, Biotechnology and Biochemistry, 2017, 81, 1926-1936.	1.3	1
36	Numerical and Experimental Evaluation of Magnetic Markers for Localized Tumor Excision With a Handheld Magnetic Probe. IEEE Transactions on Magnetics, 2021, 57, 1-5.	2.1	1

#	Article	IF	Citations
37	Cavity-shaped magnet for highly sensitive magnetic detection of magnetic nanoparticles in breast cancer patients. AIP Advances, 2020, 10, 015010.	1.3	0
38	Application of Magnetic Nanoparticle in Cancer Surgery. IEEJ Transactions on Fundamentals and Materials, 2022, 142, 236-242.	0.2	0