

Shun Kishimoto

List of Publications by Year in descending order

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977
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#	ARTICLE	IF	CITATIONS
1	Dynamic Imaging of LDH Inhibition in Tumors Reveals Rapid In Vivo Metabolic Rewiring and Vulnerability to Combination Therapy. <i>Cell Reports</i> , 2020, 30, 1798-1810.e4.	6.4	73
2	Dynamic Imaging of Glucose and Lactate Metabolism by ¹³ C-MRS without Hyperpolarization. <i>Scientific Reports</i> , 2019, 9, 3410.	3.3	56
3	Evaluation of oxygen dependence on in vitro and in vivo cytotoxicity of photoimmunotherapy using IR-700 antibody conjugates. <i>Free Radical Biology and Medicine</i> , 2015, 85, 24-32.	2.9	45
4	Metabolic and Physiologic Imaging Biomarkers of the Tumor Microenvironment Predict Treatment Outcome with Radiation or a Hypoxia-Activated Prodrug in Mice. <i>Cancer Research</i> , 2018, 78, 3783-3792.	0.9	42
5	Pyruvate Induces Transient Tumor Hypoxia by Enhancing Mitochondrial Oxygen Consumption and Potentiates the Anti-Tumor Effect of a Hypoxia-Activated Prodrug TH-302. <i>PLoS ONE</i> , 2014, 9, e107995.	2.5	35
6	Pulsed Electron Paramagnetic Resonance Imaging: Applications in the Studies of Tumor Physiology. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1378-1393.	5.4	33
7	<i>In Vivo</i> Application of Proton-Electron Double-Resonance Imaging. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 1345-1364.	5.4	30
8	Radiotherapy Synergizes with the Hypoxia-Activated Prodrug Evofosfamide: In Vitro and In Vivo Studies. <i>Antioxidants and Redox Signaling</i> , 2018, 28, 131-140.	5.4	27
9	Tensor image enhancement and optimal multichannel receiver combination analyses for human hyperpolarized ¹³ C MRSI. <i>Magnetic Resonance in Medicine</i> , 2020, 84, 3351-3365.	3.0	27
10	Hypoxia-Activated Prodrug Evofosfamide Treatment in Pancreatic Ductal Adenocarcinoma Xenografts Alters the Tumor Redox Status to Potentiate Radiotherapy. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 904-915.	5.4	26
11	Molecular Imaging of the Tumor Microenvironment Reveals the Relationship between Tumor Oxygenation, Glucose Uptake, and Glycolysis in Pancreatic Ductal Adenocarcinoma. <i>Cancer Research</i> , 2020, 80, 2087-2093.	0.9	24
12	Imaging of glucose metabolism by ¹³ C-MRI distinguishes pancreatic cancer subtypes in mice. <i>ELife</i> , 2019, 8, .	6.0	19
13	Molecular imaging of tumor photoimmunotherapy: Evidence of photosensitized tumor necrosis and hemodynamic changes. <i>Free Radical Biology and Medicine</i> , 2018, 116, 1-10.	2.9	16
14	A Multimodal Molecular Imaging Study Evaluates Pharmacological Alteration of the Tumor Microenvironment to Improve Radiation Response. <i>Cancer Research</i> , 2018, 78, 6828-6837.	0.9	16
15	Multimodal Molecular Imaging Detects Early Responses to Immune Checkpoint Blockade. <i>Cancer Research</i> , 2021, 81, 3693-3705.	0.9	15
16	Multimodality Imaging Identifies Distinct Metabolic Profiles In Vitro and In Vivo. <i>Neoplasia</i> , 2016, 18, 742-752.	5.3	13
17	Hypoxia Imaging As a Guide for Hypoxia-Modulated and Hypoxia-Activated Therapy. <i>Antioxidants and Redox Signaling</i> , 2022, 36, 144-159.	5.4	13
18	^{EPR} -based oximetric imaging: a combination of single point-based spatial encoding and ^T ₁ weighting. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2275-2287.	3.0	12

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19	Multi-modality imaging to assess metabolic response to dichloroacetate treatment in tumor models. <i>Oncotarget</i> , 2016, 7, 81741-81749.	1.8	10
20	Identification of high-risk drugs related to chemotherapy-induced peripheral neuropathy in Cancer Therapy Evaluation Program-sponsored phase I trials. <i>European Journal of Cancer</i> , 2019, 115, 111-119.	2.8	9
21	Synthesis and evaluation of ¹³ C-labeled 5-5-dimethyl-1-pyrroline-N-oxide aimed at in vivo detection of reactive oxygen species using hyperpolarized ¹³ C-MRI. <i>Free Radical Biology and Medicine</i> , 2019, 131, 18-26.	2.9	9
22	Co-imaging of the tumor oxygenation and metabolism using electron paramagnetic resonance imaging and ¹³ -C hyperpolarized magnetic resonance imaging before and after irradiation. <i>Oncotarget</i> , 2018, 9, 25089-25100.	1.8	8
23	Direct and indirect assessment of cancer metabolism explored by MRI. <i>NMR in Biomedicine</i> , 2019, 32, e3966.	2.8	6
24	Trehalose as an alternative to glycerol as a glassing agent for in vivo DNP MRI. <i>Magnetic Resonance in Medicine</i> , 2021, 85, 42-48.	3.0	6
25	Detection of metabolic change in glioblastoma cells after radiotherapy using hyperpolarized ¹³ C-MRI. <i>NMR in Biomedicine</i> , 2021, 34, e4514.	2.8	6
26	Real-Time insight into in vivo redox status utilizing hyperpolarized [1- ¹³ C] N-acetyl cysteine. <i>Scientific Reports</i> , 2021, 11, 12155.	3.3	6
27	PEGPH20, a PEGylated human hyaluronidase, induces radiosensitization by reoxygenation in pancreatic cancer xenografts. A molecular imaging study. <i>Neoplasia</i> , 2022, 30, 100793.	5.3	6
28	Imaging Metabolic Processes to Predict Radiation Responses. <i>Seminars in Radiation Oncology</i> , 2019, 29, 81-89.	2.2	3
29	Wireless implantable coil with parametric amplification for in vivo electron paramagnetic resonance oximetric applications. <i>Magnetic Resonance in Medicine</i> , 2018, 80, 2288-2298.	3.0	2
30	Abstract 5974: Multimodal molecular imaging detects early reoxygenation induced by hyaluronan depletion in pancreatic cancer model mouse. <i>Cancer Research</i> , 2022, 82, 5974-5974.	0.9	0