

# Kenji Hirata

## List of Publications by Year in descending order

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69  
papers

1,388  
citations

331259

21  
h-index

377514

34  
g-index

72  
all docs

72  
docs citations

72  
times ranked

1599  
citing authors

#	ARTICLE	IF	CITATIONS
1	The effects of 18-h fasting with low-carbohydrate diet preparation on suppressed physiological myocardial 18F-fluorodeoxyglucose (FDG) uptake and possible minimal effects of unfractionated heparin use in patients with suspected cardiac involvement sarcoidosis. <i>Journal of Nuclear Cardiology</i> , 2016, 23, 244-252.	1.4	142
2	18F-Fluoromisonidazole positron emission tomography may differentiate glioblastoma multiforme from less malignant gliomas. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 760-770.	3.3	105
3	A Semi-Automated Technique Determining the Liver Standardized Uptake Value Reference for Tumor Delineation in FDG PET-CT. <i>PLoS ONE</i> , 2014, 9, e105682.	1.1	79
4	Prognostic value of volume-based measurements on 11C-methionine PET in glioma patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 1071-1080.	3.3	57
5	Characteristics of immunoglobulin G4-related aortitis/periaortitis and periarteritis on fluorodeoxyglucose positron emission tomography/computed tomography co-registered with contrast-enhanced computed tomography. <i>EJNMMI Research</i> , 2017, 7, 20.	1.1	57
6	A convolutional neural network-based system to classify patients using FDG PET/CT examinations. <i>BMC Cancer</i> , 2020, 20, 227.	1.1	49
7	Oligodendroglial component complicates the prediction of tumour grading with metabolic imaging. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2015, 42, 896-904.	3.3	47
8	Hypoxic glucose metabolism in glioblastoma as a potential prognostic factor. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 611-619.	3.3	42
9	The diagnostic role of 18F-FDG PET for primary central nervous system lymphoma. <i>Annals of Nuclear Medicine</i> , 2014, 28, 603-609.	1.2	37
10	Use of 18F-FDG PET/CT texture analysis to diagnose cardiac sarcoidosis. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 1240-1247.	3.3	36
11	The Roles of Hypoxia Imaging Using 18F-Fluoromisonidazole Positron Emission Tomography in Glioma Treatment. <i>Journal of Clinical Medicine</i> , 2019, 8, 1088.	1.0	34
12	Nuclear medicine practice in Japan: a report of the eighth nationwide survey in 2017. <i>Annals of Nuclear Medicine</i> , 2019, 33, 725-732.	1.2	33
13	Tumor hypoxia: a new PET imaging biomarker in clinical oncology. <i>International Journal of Clinical Oncology</i> , 2016, 21, 619-625.	1.0	31
14	18F-fluoromisonidazole positron emission tomography can predict pathological necrosis of brain tumors. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2016, 43, 1469-1476.	3.3	28
15	High metabolic heterogeneity on baseline 18FDG-PET/CT scan as a poor prognostic factor for newly diagnosed diffuse large B-cell lymphoma. <i>Blood Advances</i> , 2020, 4, 2286-2296.	2.5	28
16	Change in 18F-Fluoromisonidazole PET Is an Early Predictor of the Prognosis in the Patients with Recurrent High-Grade Glioma Receiving Bevacizumab Treatment. <i>PLoS ONE</i> , 2016, 11, e0167917.	1.1	28
17	Gene and protein analysis of brain derived neurotrophic factor expression in relation to neurological recovery induced by an enriched environment in a rat stroke model. <i>Neuroscience Letters</i> , 2011, 495, 210-215.	1.0	25
18	Reoxygenation of Glioblastoma Multiforme Treated with Fractionated Radiotherapy Concomitant with Temozolomide: Changes Defined by 18F-fluoromisonidazole Positron Emission Tomography: Two Case Reports. <i>Japanese Journal of Clinical Oncology</i> , 2012, 42, 120-123.	0.6	24

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19	Volume-based glucose metabolic analysis of FDG PET/CT: The optimum threshold and conditions to suppress physiological myocardial uptake. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 909-918.	1.4	24
20	<sup>18</sup> F-FMISO PET/CT detects hypoxic lesions of cardiac and extra-cardiac involvement in patients with sarcoidosis. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 2141-2148.	1.4	23
21	Usefulness of FMISO- <sup>18</sup> F PET for Glioma Analysis. <i>Neurologia Medico-Chirurgica</i> , 2013, 53, 773-778.	1.0	22
22	Reproducibility and uptake time dependency of volume-based parameters on FDG-PET for lung cancer. <i>BMC Cancer</i> , 2016, 16, 576.	1.1	22
23	Voxel based comparison and texture analysis of <sup>18</sup> F-FDG and <sup>18</sup> F-FMISO PET of patients with head-and-neck cancer. <i>PLoS ONE</i> , 2019, 14, e0213111.	1.1	22
24	Biodistribution and radiation dosimetry of the novel hypoxia PET probe [ <sup>18</sup> F]DiFA and comparison with [ <sup>18</sup> F]FMISO. <i>EJNMMI Research</i> , 2019, 9, 60.	1.1	21
25	Volume-based parameters on FDG PET may predict the proliferative potential of soft-tissue sarcomas. <i>Annals of Nuclear Medicine</i> , 2019, 33, 22-31.	1.2	21
26	Preliminary study of AI-assisted diagnosis using FDG-PET/CT for axillary lymph node metastasis in patients with breast cancer. <i>EJNMMI Research</i> , 2021, 11, 10.	1.1	20
27	Quantitative FDG PET Assessment for Oncology Therapy. <i>Cancers</i> , 2021, 13, 869.	1.7	20
28	Radioiodine Therapy for Thyroid Cancer Depicted Uterine Leiomyoma. <i>Clinical Nuclear Medicine</i> , 2009, 34, 180-181.	0.7	18
29	Monitoring indices of bone inflammatory activity of the jaw using SPECT bone scintigraphy: a study of ARONJ patients. <i>Scientific Reports</i> , 2020, 10, 11385.	1.6	16
30	Prognostic Value of <sup>18</sup> F-FDG PET Using Texture Analysis in Cardiac Sarcoidosis. <i>JACC: Cardiovascular Imaging</i> , 2020, 13, 1096-1097.	2.3	16
31	Which is the proper reference tissue for measuring the change in FDG PET metabolic volume of cardiac sarcoidosis before and after steroid therapy?. <i>EJNMMI Research</i> , 2018, 8, 94.	1.1	15
32	A convolutional neural network-based system to prevent patient misidentification in FDG-PET examinations. <i>Scientific Reports</i> , 2019, 9, 7192.	1.6	15
33	Metabolic Activity of Red Nucleus and Its Correlation with Cerebral Cortex and Cerebellum: A Study Using a High-Resolution Semiconductor PET System. <i>Journal of Nuclear Medicine</i> , 2015, 56, 1206-1211.	2.8	14
34	<sup>18</sup> F-Fluoromisonidazole positron emission tomography (FMISO-PET) may reflect hypoxia and cell proliferation activity in oral squamous cell carcinoma. <i>Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology</i> , 2017, 124, 261-270.	0.2	12
35	Prediction of the local treatment outcome in patients with oropharyngeal squamous cell carcinoma using deep learning analysis of pretreatment FDG-PET images. <i>BMC Cancer</i> , 2021, 21, 900.	1.1	12
36	Artificial intelligence for nuclear medicine in oncology. <i>Annals of Nuclear Medicine</i> , 2022, 36, 123-132.	1.2	12

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37	Detection of histological anaplasia in gliomas with oligodendroglial components using positron emission tomography with 18F-FDG and 11C-methionine: report of two cases. <i>Journal of Neuro-Oncology</i> , 2011, 101, 335-341.	1.4	11
38	Association of high serum soluble interleukin 2 receptor levels with risk of adverse events in cardiac sarcoidosis. <i>ESC Heart Failure</i> , 2021, 8, 5282-5292.	1.4	11
39	Serum level of soluble interleukin-2 receptor is positively correlated with metabolic tumor volume on <sup>18</sup> F-FDG PET/CT in newly diagnosed patients with diffuse large B-cell lymphoma. <i>Cancer Medicine</i> , 2019, 8, 953-962.	1.3	10
40	Influence of the scan time point when assessing hypoxia in 18F-fluoromisonidazole PET: 2 vs. 4h. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2020, 47, 1833-1842.	3.3	10
41	Probing Estrogen Sulfotransferase-Mediated Inflammation with [11C]-PiB in the Living Human Brain. <i>Journal of Alzheimer's Disease</i> , 2020, 73, 1023-1033.	1.2	10
42	Players of "hypoxia orchestra" what is the role of FMISO?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2017, 44, 1679-1681.	3.3	9
43	Development of Combination Methods for Detecting Malignant Uptakes Based on Physiological Uptake Detection Using Object Detection With PET-CT MIP Images. <i>Frontiers in Medicine</i> , 2020, 7, 616746.	1.2	9
44	Deep learning-based attenuation correction for whole-body PET a multi-tracer study with 18F-FDG, 68Ga-DOTATATE, and 18F-Fluciclovine. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2022, 49, 3086-3097.	3.3	8
45	Indolent dorsal midbrain tumor: new findings based on positron emission tomography. <i>Journal of Neurosurgery: Pediatrics</i> , 2009, 3, 270-275.	0.8	7
46	11c-Methionine Positron Emission Tomography May Monitor the Activity of Encephalitis. <i>Acta Radiologica</i> , 2012, 53, 1155-1157.	0.5	7
47	Texture Analysis in the Diagnosis of Primary Breast Cancer: Comparison of High-Resolution Dedicated Breast Positron Emission Tomography (dbPET) and Whole-Body PET/CT. <i>Frontiers in Medicine</i> , 2020, 7, 603303.	1.2	7
48	Development and validation of a prediction model based on the organ-based metabolic tumor volume on FDG-PET in patients with differentiated thyroid carcinoma. <i>Annals of Nuclear Medicine</i> , 2021, 35, 1223-1231.	1.2	7
49	Determination of brain tumor recurrence using <sup>11</sup> C-methionine positron emission tomography after radiotherapy. <i>Cancer Science</i> , 2021, 112, 4246-4256.	1.7	7
50	Texture analysis of delayed contrast-enhanced computed tomography to diagnose cardiac sarcoidosis. <i>Japanese Journal of Radiology</i> , 2021, 39, 442-450.	1.0	7
51	A Preliminary Study to Use SUVmax of FDG PET-CT as an Identifier of Lesion for Artificial Intelligence. <i>Frontiers in Medicine</i> , 2021, 8, 647562.	1.2	6
52	Prognostic Impact of Metabolic Heterogeneity in Patients With Newly Diagnosed Multiple Myeloma Using 18F-FDG PET/CT. <i>Clinical Nuclear Medicine</i> , 2021, 46, 790-796.	0.7	6
53	Quantitative bone single photon emission computed tomography analysis of the effects of duration of bisphosphonate administration on the parietal bone. <i>Scientific Reports</i> , 2020, 10, 17461.	1.6	5
54	DWI-related texture analysis for prostate cancer: differences in correlation with histological aggressiveness and data repeatability between peripheral and transition zones. <i>European Radiology Experimental</i> , 2022, 6, 1.	1.7	5

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55	An open-label, single-arm, multi-center, phase II clinical trial of single-dose [131I]meta-iodobenzylguanidine therapy for patients with refractory pheochromocytoma and paraganglioma. <i>Annals of Nuclear Medicine</i> , 2022, 36, 267-278.	1.2	5
56	Predicting tumor response and prognosis to neoadjuvant chemotherapy in esophageal squamous cell carcinoma patients using PERCIST: a multicenter study in Japan. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 3666-3682.	3.3	4
57	Preoperative Texture Analysis Using 11C-Methionine Positron Emission Tomography Predicts Survival after Surgery for Glioma. <i>Diagnostics</i> , 2021, 11, 189.	1.3	4
58	The prognostic improvement of add-on bevacizumab for progressive disease during concomitant temozolomide and radiation therapy in patients with glioblastoma and anaplastic astrocytoma. <i>Journal of Neurosurgical Sciences</i> , 2021, 64, 502-508.	0.3	4
59	Hypoxia Imaging with 18F-FMISO PET for Brain Tumors. , 2016, , 229-249.		4
60	Radiological images of keratocystoma: a rare tumor of the parotid gland. <i>Acta Radiologica Short Reports</i> , 2014, 3, 204798161454949.	0.7	3
61	uPAR as a Glioma Imaging Target. <i>Journal of Nuclear Medicine</i> , 2016, 57, 169-170.	2.8	3
62	Correlation of active contact location with weight gain after subthalamic nucleus deep brain stimulation: a case series. <i>BMC Neurology</i> , 2021, 21, 351.	0.8	3
63	Medical Radiation Exposure Reduction in PET via Super-Resolution Deep Learning Model. <i>Diagnostics</i> , 2022, 12, 872.	1.3	3
64	Reduction of tumor hypoxia by anti-PD-1 therapy assessed using pimonidazole and [18F]FMISO. <i>Nuclear Medicine and Biology</i> , 2022, 108-109, 85-92.	0.3	3
65	A Nodular Lesion of the Foot Detected by 18F-FDG PET/CT in Mycosis Fungoides. <i>Clinical Nuclear Medicine</i> , 2019, 44, 244-245.	0.7	1
66	A series of noninvasive evaluations for bilateral adrenal tumor. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2013, 40, 1119-1119.	3.3	0
67	Serum Soluble Interleukin-2 Receptor As a Surrogate Biomarker of Metabolic Tumor Volume Measured By 18F-FDG PET/CT in Diffuse Large B-Cell Lymphoma. <i>Blood</i> , 2018, 132, 345-345.	0.6	0
68	ACT-07 Clinical Trials of 11C-Methionine PET for brain tumors. <i>Neuro-Oncology Advances</i> , 2020, 2, ii8-ii8.	0.4	0
69	Pet imaging in thymomas. , 2022, , .		0