Hiroki Kato

List of Publications by Year
in descending order

17	183	1163117 8	1125743 13
papers	citations	h-index	g-index

18	18	18	246
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantitative Evaluation of Cerebral Blood Flow and Oxygen Metabolism in Normal Anesthetized Rats: ¹⁵O-Labeled Gas Inhalation PET with MRI Fusion. Journal of Nuclear Medicine, 2013, 54, 283-290.	5.0	31
2	Performance demonstration of a hybrid Compton camera with an active pinhole for wide-band X-ray and gamma-ray imaging. Scientific Reports, 2020, 10, 14064.	3.3	29
3	High detection rate in [18F]PSMA-1007 PET: interim results focusing on biochemical recurrence in prostate cancer patients. Annals of Nuclear Medicine, 2021, 35, 523-528.	2.2	24
4	Pretreatment tumor-related leukocytosis misleads positron emission tomography-computed tomography during lymph node staging in gynecological malignancies. Nature Communications, 2020, 11, 1364.	12.8	23
5	Intratumoral administration of astatine-211-labeled gold nanoparticle for alpha therapy. Journal of Nanobiotechnology, 2021, 19, 223.	9.1	19
6	Quantitative evaluation of oxygen metabolism in the intratumoral hypoxia: 18F-fluoromisonidazole and 15O-labelled gases inhalation PET. EJNMMI Research, 2017, 7, 16.	2.5	9
7	Multi-modal 3D imaging of radionuclides using multiple hybrid Compton cameras. Scientific Reports, 2022, 12, 2546.	3.3	9
8	Assessment of Mediastinal Tumors Using SUV and Volumetric Parameters on FDG-PET/CT. Asia Oceania Journal of Nuclear Medicine and Biology, 2017, 5, 22-29.	0.1	8
9	Oxygen-15 labeled CO2, O2, and CO PET in small animals: evaluation using a 3D-mode microPET scanner and impact of reconstruction algorithms. EJNMMI Research, 2017, 7, 91.	2.5	7
10	Quantitative measurement of regional cerebral blood flow and oxygen metabolism in a rat model of cerebral hypoperfusion. Brain Research, 2019, 1719, 208-216.	2.2	7
11	Improved Stability and Practicality for Synthesis of 4-Borono-2-[18F]fluoro-l-phenylalanine by Combination of [18O]O2 Single-Use and [18F]CH3COOF Labeling Agents. Nuclear Medicine and Molecular Imaging, 2022, 56, 86-95.	1.0	4
12	Increase in extraction of I-123 iomazenil in patients with chronic cerebral ischemia. PLoS ONE, 2018, 13, e0190720.	2.5	3
13	Greater reductions in blood flow after anti-angiogenic treatment in non-small cell lung cancer patients are associated with shorter progression-free survival. Scientific Reports, 2021, 11, 6805.	3.3	3
14	Evaluation of Integrin Î±vÎ²3 Expression in Murine Xenograft Models: [68Ga]Ga-DOTA-C(RGDfK) PET Study with Immunohistochemical Confirmation. Diagnostics, 2021, 11, 1295.	2.6	2
15	Preoperative FDG-Positive Lymph Nodes Predict the Postoperative Prognosis in Resectable Biliary Tract Cancers. Annals of Surgical Oncology, 2022, 29, 935-944.	1.5	2
16	Impaired neuronal integrity in traumatic brain injury detected by ¹²³I-iomazenil single photon emission computed tomography and MRI. Journal of Cerebral Blood Flow and Metabolism, 2022, 42, 2245-2254.	4.3	2
17	ASO Visual Abstract: Preoperative FDGÂPositiveÂLymph NodesÂPredictÂthe Postoperative Prognosis inÂResectableÂBiliaryÂTractÂCancers. Annals of Surgical Oncology, 2022, 29, 947-948.	1.5	1