Lale Umutlu

List of Publications by Year
in descending order

100 papers	2,310 citations	186265 28 h-index	276875 41 g-index
101 all docs	101 docs citations	101 times ranked	2336 citing authors

#	Article	IF	Citations
1	Integrated PET/MRI for whole-body staging of patients with primary cervical cancer: preliminary results. European Journal of Nuclear Medicine and Molecular Imaging, 2015, 42, 1814-1824.	6.4	85
2	Evaluation of 18 F-FDG PET/MRI, 18 F-FDG PET/CT, MRI, and CT in whole-body staging of recurrent breast cancer. European Journal of Radiology, 2016, 85, 459-465.	2.6	81
3	Implementation of FAST-PET/MRI for whole-body staging of female patients with recurrent pelvic malignancies: A comparison to PET/CT. European Journal of Radiology, 2015, 84, 2097-2102.	2.6	76
4	Comparative Performance of ¹⁸F-FDG PET/MRI and ¹⁸F-FDG PET/CT in Detection and Characterization of Pulmonary Lesions in 121 Oncologic Patients. Journal of Nuclear Medicine, 2016, 57, 582-586.	5.0	68
5	Evaluation of the Outcome of Lung Nodules Missed on ¹⁸F-FDG PET/MRI Compared with ¹⁸F-FDG PET/CT in Patients with Known Malignancies. Journal of Nuclear Medicine, 2016, 57, 15-20.	5.0	67
6	Evaluation of 68Ga-DOTATOC PET/MRI for whole-body staging of neuroendocrine tumours in comparison with 68Ga-DOTATOC PET/CT. European Radiology, 2017, 27, 4091-4099.	4.5	66
7	Accuracy of [18F]FDG PET/MRI for the Detection of Liver Metastases. PLoS ONE, 2015, 10, e0137285.	2.5	63
8	Pitfalls and Common Findings in ⁶⁸Ga-FAPI PET: A Pictorial Analysis. Journal of Nuclear Medicine, 2022, 63, 890-896.	5.0	61
9	Diagnostic Value of Diffusion-Weighted Imaging in Simultaneous ¹⁸F-FDG PET/MR Imaging for Whole-Body Staging of Women with Pelvic Malignancies. Journal of Nuclear Medicine, 2014, 55, 1930-1935.	5.0	60
10	PET/MRI Versus PET/CT for Whole-Body Staging: Results from a Single-Center Observational Study on 1,003 Sequential Examinations. Journal of Nuclear Medicine, 2020, 61, 1131-1136.	5.0	57
11	Hybrid imaging for detection of carcinoma of unknown primary: A preliminary comparison trial of whole-body PET/MRI versus PET/CT. European Journal of Radiology, 2016, 85, 1941-1947.	2.6	50
12	Thoracic staging with 18F-FDG PET/MR in non-small cell lung cancer â€“ does it change therapeutic decisions in comparison to 18F-FDG PET/CT?. European Radiology, 2017, 27, 681-688.	4.5	49
13	Comparison of 18F-FDG PET/MRI and MRI for pre-therapeutic tumor staging of patients with primary cancer of the uterine cervix. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 67-76.	6.4	49
14	Safety and Efficacy of 90Y-FAPI-46 Radioligand Therapy in Patients with Advanced Sarcoma and Other Cancer Entities. Clinical Cancer Research, 2022, 28, 4346-4353.	7.0	45
15	Prospective comparison of 18F-FDG PET/MRI and 18F-FDG PET/CT for thoracic staging of non-small cell lung cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2019, 46, 437-445.	6.4	44
16	Integrated 18Fâ€“FDG PET/MRI compared to MRI alone for identification of local recurrences of soft tissue sarcomas: a comparison trial. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1823-1831.	6.4	43
17	Prospective comparison of the diagnostic accuracy of 18F-FDG PET/MRI, MRI, CT, and bone scintigraphy for the detection of bone metastases in the initial staging of primary breast cancer patients. European Radiology, 2021, 31, 8714-8724.	4.5	43
18	Comparison of 18Fâ€“FDG PET/MRI and MRI alone for whole-body staging and potential impact on therapeutic management of women with suspected recurrent pelvic cancer: a follow-up study. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 622-629.	6.4	41

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19	Non-Enhanced MR Imaging of Cerebral Aneurysms: 7 Tesla versus 1.5 Tesla. PLoS ONE, 2014, 9, e84562.	2.5	40
20	Diffuse Axonal Injury at Ultra-High Field MRI. PLoS ONE, 2015, 10, e0122329.	2.5	40
21	⁶⁸Ga-PSMA-11 PET/CT Improves Tumor Detection and Impacts Management in Patients with Hepatocellular Carcinoma. Journal of Nuclear Medicine, 2021, 62, 1235-1241.	5.0	39
22	Visualization of Fibroblast Activation After Myocardial Infarction Using 68Ga-FAPI PET. Clinical Nuclear Medicine, 2021, 46, 807-813.	1.3	39
23	Treatment-related changes in neuroendocrine tumors as assessed by textural features derived from 68Ga-DOTATOC PET/MRI with simultaneous acquisition of apparent diffusion coefficient. BMC Cancer, 2020, 20, 326.	2.6	38
24	Dynamic Contrast-Enhanced Renal MRI at 7 Tesla. Investigative Radiology, 2011, 46, 425-433.	6.2	37
25	Evaluation of a Fast Protocol for Staging Lymphoma Patients with Integrated PET/MRI. PLoS ONE, 2016, 11, e0157880.	2.5	37
26	Whole-body staging of female patients with recurrent pelvic malignancies: Ultra-fast 18F-FDG PET/MRI compared to 18F-FDG PET/CT and CT. PLoS ONE, 2017, 12, e0172553.	2.5	34
27	Multiparametric Integrated 18F-FDG PET/MRI-Based Radiomics for Breast Cancer Phenotyping and Tumor Decoding. Cancers, 2021, 13, 2928.	3.7	34
28	A rapid volume of interest-based approach of radiomics analysis of breast MRI for tumor decoding and phenotyping of breast cancer. PLoS ONE, 2020, 15, e0234871.	2.5	33
29	Comparison of nodal staging between CT, MRI, and [18F]-FDG PET/MRI in patients with newly diagnosed breast cancer. European Journal of Nuclear Medicine and Molecular Imaging, 2022, 49, 992-1001.	6.4	32
30	Simultaneous multiparametric PET/MRI for the assessment of therapeutic response to chemotherapy or concurrent chemoradiotherapy of cervical cancer patients: Preliminary results. Clinical Imaging, 2018, 49, 163-168.	1.5	29
31	18F-FDG-PET/MRI in the diagnostic work-up of limbic encephalitis. PLoS ONE, 2020, 15, e0227906.	2.5	29
32	Evaluation of PET and MR datasets in integrated 18F-FDG PET/MRI: A comparison of different MR sequences for whole-body restaging of breast cancer patients. European Journal of Radiology, 2017, 89, 14-19.	2.6	28
33	Local and whole-body staging in patients with primary breast cancer: a comparison of one-step to two-step staging utilizing 18F-FDG-PET/MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2328-2337.	6.4	28
34	Comparison of the clinical performance of upper abdominal PET/DCE-MRI with and without concurrent respiratory motion correction (MoCo). European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 2147-2154.	6.4	28
35	Therapy Response Assessment of Pediatric Tumors with Whole-Body Diffusion-weighted MRI and FDG PET/MRI. Radiology, 2020, 296, 143-151.	7.3	28
36	Improved Cerebral Time-of-Flight Magnetic Resonance Angiography at 7 Tesla â€“ Feasibility Study and Preliminary Results Using Optimized Venous Saturation Pulses. PLoS ONE, 2014, 9, e106697.	2.5	24

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37	Prospective evaluation of whole-body MRI and 18F-FDG PET/MRI in N and M staging of primary breast cancer patients. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2816-2825.	6.4	23
38	Hybrid imaging of the bowel using PET/MR enterography: Feasibility and first results. European Journal of Radiology, 2016, 85, 414-421.	2.6	22
39	Imaging children suffering from lymphoma: an evaluation of different 18F-FDG PET/MRI protocols compared to whole-body DW-MRI. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1742-1750.	6.4	22
40	Assessment of Ileocolonic Inflammation in Crohnâ€™s Disease: Which Surrogate Marker Is Betterâ€”MaRIA, Clermont, or PET/MR Index? Initial Results of a Feasibility Trial. Journal of Nuclear Medicine, 2019, 60, 851-857.	5.0	22
41	Multiparametric 18F-FDG PET/MRI-Based Radiomics for Prediction of Pathological Complete Response to Neoadjuvant Chemotherapy in Breast Cancer. Cancers, 2022, 14, 1727.	3.7	20
42	[18F]FDG PET/MR enterography for the assessment of inflammatory activity in Crohnâ€™s disease: comparison of different MRI and PET parameters. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1382-1393.	6.4	19
43	¹⁸F-FDG PET/MRI for Therapy Response Assessment of Isolated Limb Perfusion in Patients with Soft-Tissue Sarcomas. Journal of Nuclear Medicine, 2019, 60, 1537-1542.	5.0	19
44	Giant Intracranial Aneurysms at 7T MRI. American Journal of Neuroradiology, 2016, 37, 636-641.	2.4	18
45	Dualâ€phase hybrid ¹⁸Fâ€Fluoride Positron emission tomography/<scp>MRI</scp> in ankylosing spondylitis: Investigating the link between <scp>MRI</scp> bone changes, regional hyperaemia and increased osteoblastic activity. Journal of Medical Imaging and Radiation Oncology, 2018, 62, 313-319.	1.8	18
46	Impact of 18F-FDG PET/MR on therapeutic management in high risk primary breast cancer patients â€“ A prospective evaluation of staging algorithms. European Journal of Radiology, 2020, 128, 108975.	2.6	18
47	18F-FDG PET/MRI evaluation of retroperitoneal fibrosis: a simultaneous multiparametric approach for diagnosing active disease. European Journal of Nuclear Medicine and Molecular Imaging, 2016, 43, 1646-1652.	6.4	16
48	18F-FDG PET/MRI in patients suffering from lymphoma: how much MRI information is really needed?. European Journal of Nuclear Medicine and Molecular Imaging, 2017, 44, 1005-1013.	6.4	16
49	Diagnostic accuracy of 18Fâ€“FDG PET/CT and MR imaging in patients with adenoid cystic carcinoma. BMC Cancer, 2017, 17, 887.	2.6	16
50	Textural analysis of hybrid DOTATOC-PET/MRI and its association with histological grading in patients with liver metastases from neuroendocrine tumors. Nuclear Medicine Communications, 2020, 41, 363-369.	1.1	16
51	Evaluation of 18F-FDG PET/CT images acquired with a reduced scan time duration in lymphoma patients using the digital biograph vision. BMC Cancer, 2021, 21, 62.	2.6	16
52	Leptomeningeal disease from melanomaâ€”Poor prognosis despite new therapeutic modalities. European Journal of Cancer, 2021, 148, 395-404.	2.8	16
53	Value of ¹⁸Fâ€<scp>FDG PET</scp>/<scp>MRI</scp> for the outcome of <scp>CT</scp>â€guided facet block therapy in cervical facet syndrome: initial results. Journal of Medical Imaging and Radiation Oncology, 2017, 61, 327-333.	1.8	15
54	Towards fast whole-body PET/MR: Investigation of PET image quality versus reduced PET acquisition times. PLoS ONE, 2018, 13, e0206573.	2.5	15

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55	Evaluation of the Diagnostic Performance of Positron Emission Tomography/Magnetic Resonance for the Diagnosis of Liver Metastases. Investigative Radiology, 2021, 56, 621-628.	6.2	15
56	Sequence Comparison for Non-Enhanced MRA of the Lower Extremity Arteries at 7 Tesla. PLoS ONE, 2014, 9, e86274.	2.5	14
57	Oncological whole-body staging in integrated 18F-FDG PET/MR: Value of different MR sequences for simultaneous PET and MR reading. European Journal of Radiology, 2015, 84, 1285-1292.	2.6	13
58	Radiomics Analysis of Multiparametric PET/MRI for N- and M-Staging in Patients with Primary Cervical Cancer. RoFo Fortschritte Auf Dem Gebiet Der Rontgenstrahlen Und Der Bildgebenden Verfahren, 2020, 192, 754-763.	1.3	13
59	An uncertainty-aware, shareable, and transparent neural network architecture for brain-age modeling. Science Advances, 2022, 8, eabg9471.	10.3	13
60	¹⁸Fâ€FDG PET/MRI vs MRI in patients with recurrent adenoid cystic carcinoma. Head and Neck, 2019, 41, 170-176.	2.0	12
61	Cardiac PET/MRI: Current Clinical Status and Future Perspectives. Seminars in Nuclear Medicine, 2020, 50, 260-269.	4.6	12
62	Third generation dual-energy CT with 80/150â€‰Snâ€‰kV for head and neck tumor imaging. Acta Radiologica, 2019, 60, 586-592.	1.1	11
63	18F-FDG PET-MR enterography in predicting histological active disease using the Nancy index in ulcerative colitis: a randomized controlled trial. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 768-777.	6.4	11
64	Machine learning-based differentiation between multiple sclerosis and glioma WHO IIÂ°-IVÂ° using O-(2-[18F] fluoroethyl)-L-tyrosine positron emission tomography. Journal of Neuro-Oncology, 2021, 152, 325-332.	2.9	11
65	Impact of EBUS-TBNA in addition to [18F]FDG-PET/CT imaging on target volume definition for radiochemotherapy in stage III NSCLC. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2894-2903.	6.4	11
66	Automatic Scan Range Delimitation in Chest CT Using Deep Learning. Radiology: Artificial Intelligence, 2021, 3, e200211.	5.8	11
67	Prospective comparison of CT and 18F-FDG PET/MRI in N and M staging of primary breast cancer patients: Initial results. PLoS ONE, 2021, 16, e0260804.	2.5	11
68	Comparison of ¹⁸F-FDG PET-MR and fecal biomarkers in the assessment of disease activity in patients with ulcerative colitis. British Journal of Radiology, 2020, 93, 20200167.	2.2	10
69	A Role of PET/MR in Breast Cancer?. Seminars in Nuclear Medicine, 2022, 52, 611-618.	4.6	10
70	18F-FDG PET/MR versus MR Alone in Whole-Body Primary Staging and Restaging of Patients with Rectal Cancer: What Is the Benefit of PET?. Journal of Clinical Medicine, 2020, 9, 3163.	2.4	9
71	Evaluation of improved attenuation correction in whole-body PET/MR on patients with bone metastasis using various radiotracers. European Journal of Nuclear Medicine and Molecular Imaging, 2020, 47, 2269-2279.	6.4	9
72	Evaluation of ¹⁸F-FDG PET and DWI Datasets for Predicting Therapy Response of Soft-Tissue Sarcomas Under Neoadjuvant Isolated Limb Perfusion. Journal of Nuclear Medicine, 2021, 62, 348-353.	5.0	9

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73	Non-Enhanced T1-Weighted Liver Vessel Imaging at 7 Tesla. PLoS ONE, 2014, 9, e97465.	2.5	9
74	Non-enhanced magnetic resonance imaging of the small bowel at 7 Tesla in comparison to 1.5 Tesla: First steps towards clinical application. Magnetic Resonance Imaging, 2016, 34, 668-673.	1.8	8
75	Contrast enhanced renal MR angiography at 7 Tesla: How much gadolinium do we need?. European Journal of Radiology, 2017, 86, 76-82.	2.6	7
76	Assessment of Suspected Malignancy or Infection in Immunocompromised Patients After Solid Organ Transplantation by [18F]FDG PET/CT and [18F]FDG PET/MRI. Nuclear Medicine and Molecular Imaging, 2020, 54, 183-191.	1.0	7
77	Magnetic resonance imaging and ultrasound for prediction of residual tumor size in early breast cancer within the ADAPT subtrials. Breast Cancer Research, 2021, 23, 36.	5.0	7
78	Predictive Factors for RAI-Refractory Disease and Short Overall Survival in PDTC. Cancers, 2021, 13, 1728.	3.7	7
79	Evaluation of the Predictive Potential of 18F-FDG PET and DWI Data Sets for Relevant Prognostic Parameters of Primary Soft-Tissue Sarcomas. Cancers, 2021, 13, 2753.	3.7	7
80	Abdominal and pelvic 18F-FDG PET/MR: a review of current and emerging oncologic applications. Abdominal Radiology, 2021, 46, 1236-1248.	2.1	6
81	An international expert opinion statement on the utility of PET/MR for imaging of skeletal metastases. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1522-1537.	6.4	6
82	Patterns of nodal spread in stage III NSCLC: importance of EBUS-TBNA and 18F-FDG PET/CT for radiotherapy target volume definition. Radiation Oncology, 2021, 16, 176.	2.7	6
83	Effects of Antiâ€“Tumor Necrosis Factor Therapy on Osteoblastic Activity at Sites of Inflammatory and Structural Lesions in Radiographic Axial Spondyloarthritis: A Prospective ‹scp›Proofâ€ofâ€Concept‹/scp› Study Using Positron Emission Tomography/Magnetic Resonance Imaging of the Sacroiliac Joints and Spine. Arthritis and Rheumatology, 2022, 74, 1497-1505.	5.6	6
84	Comparison of acceptance of PET/MR enterography and ileocolonoscopy in patients with inflammatory bowel diseases. Clinical Imaging, 2020, 64, 11-17.	1.5	5
85	Correlation between contrast enhancement, standardized uptake value (SUV), and diffusion restriction (ADC) with tumor grading in patients with therapy-naive neuroendocrine neoplasms using hybrid 68Ga-DOTATOC PET/MRI. European Journal of Radiology, 2021, 137, 109588.	2.6	5
86	Prognostic Value of Postinduction Chemotherapy Volumetric PET/CT Parameters for Stage IIIA or IIIB Nonâ€“Small Cell Lung Cancer Patients Receiving Definitive Chemoradiotherapy. Journal of Nuclear Medicine, 2021, 62, 1684-1691.	5.0	5
87	Predictive impact of the inflammation-based indices in uveal melanoma liver metastases treated with transarterial hepatic chemoperfusion. Radiology and Oncology, 2021, 55, 347-353.	1.7	5
88	Correlation of the apparent diffusion coefficient (ADC) and standardized uptake values (SUV) with overall survival in patients with primary non-small cell lung cancer (NSCLC) using 18F-FDG PET/MRI. European Journal of Radiology, 2021, 134, 109422.	2.6	4
89	Preoperative chest computed tomography evaluation for predicting intraoperative lung resection strongly depends on interpreters experience. Lung Cancer, 2021, 154, 23-28.	2.0	4
90	Detecting the pulmonary trunk in CT scout views using deep learning. Scientific Reports, 2021, 11, 10215.	3.3	4

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91	Comparison of pre- and post-contrast-enhanced attenuation correction using a CAIPI-accelerated T1-weighted Dixon 3D-VIBE sequence in 68Ga-DOTATOC PET/MRI. European Journal of Radiology, 2021, 139, 109691.	2.6	4
92	CADâ€based hardware attenuation correction in PET/MRI: First methodical investigations and clinical application of a 16â€channel RF breast coil. Medical Physics, 2021, 48, 6696-6709.	3.0	4
93	Pediatric age estimation from radiographs of the knee using deep learning. European Radiology, 2022, 32, 4813-4822.	4.5	4
94	N-staging in large cell neuroendocrine carcinoma of the lung: diagnostic value of [18F]FDG PET/CT compared to the histopathology reference standard. EJNMMI Research, 2021, 11, 68.	2.5	2
95	Evaluation of improved CTâ€based hardware attenuation correction in PET/MRI: Application to a 16â€channel RF breast coil. Medical Physics, 2022, 49, 2279-2294.	3.0	2
96	Metabolic imaging with FDG-PET and time to progression in patients discontinuing immune-checkpoint inhibition for metastatic melanoma. Cancer Imaging, 2022, 22, 11.	2.8	2
97	Free-breathing 3D Stack of Stars GRE (StarVIBE) sequence for detecting pulmonary nodules in 18F-FDG PET/MRI. EJNMMI Physics, 2022, 9, 11.	2.7	2
98	Atypical bilateral ventilation/perfusion mismatches in an asymptomatic patient suffering from metastatic thyroid cancer. European Journal of Hybrid Imaging, 2021, 5, 25.	1.5	1
99	In vivo MRI of the human torso at 7 Tesla using multi-channel transmit. , 2010, , .		0
100	Is there a connection between immunohistochemical markers and grading of lung cancer with apparent diffusion coefficient (ADC) and standardised uptake values (SUV) of hybrid 18Fâ€FDGâ€PET/MRI?. Journal of Medical Imaging and Radiation Oncology, 2020, 64, 779-786.	1.8	0