

Osman Ratib

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,434
citations

331670

21
h-index

168389

53
g-index

60
all docs

60
docs citations

60
times ranked

5929
citing authors

#	ARTICLE	IF	CITATIONS
1	OsiriX: An Open-Source Software for Navigating in Multidimensional DICOM Images. <i>Journal of Digital Imaging</i> , 2004, 17, 205-216.	2.9	1,560
2	Strategic roadmap for an early diagnosis of Alzheimer's disease based on biomarkers. <i>Lancet Neurology</i> , The, 2017, 16, 661-676.	10.2	464
3	FDG-PET/CT pitfalls in oncological head and neck imaging. <i>Insights Into Imaging</i> , 2014, 5, 585-602.	3.4	168
4	Navigating the Fifth Dimension: Innovative Interface for Multidimensional Multimodality Image Navigation. <i>Radiographics</i> , 2006, 26, 299-308.	3.3	96
5	Detection and quantification of focal uptake in head and neck tumours: 18F-FDG PET/MR versus PET/CT. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 462-475.	6.4	96
6	Clinical validity of brain fluorodeoxyglucose positron emission tomography as a biomarker for Alzheimer's disease in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 183-195.	3.1	85
7	Adapting anatomy teaching to surgical trends: a combination of classical dissection, medical imaging, and 3D-printing technologies. <i>Surgical and Radiologic Anatomy</i> , 2016, 38, 361-367.	1.2	67
8	From PACS to integrated EMR. <i>Computerized Medical Imaging and Graphics</i> , 2003, 27, 207-215.	5.8	62
9	General Consumer Communication Tools for Improved Image Management and Communication in Medicine. <i>Journal of Digital Imaging</i> , 2005, 18, 270-279.	2.9	60
10	Local recurrence of squamous cell carcinoma of the head and neck after radio(chemo)therapy: Diagnostic performance of FDG-PET/MRI with diffusion-weighted sequences. <i>European Radiology</i> , 2018, 28, 651-663.	4.5	56
11	Approaches for the optimization of MR protocols in clinical hybrid PET/MRI studies. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2013, 26, 57-69.	2.0	54
12	Whole-body hybrid PET/MRI: ready for clinical use?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 992-995.	6.4	53
13	Potential Applications of PET/MR Imaging in Cardiology. <i>Journal of Nuclear Medicine</i> , 2014, 55, 40S-46S.	5.0	48
14	Clinical utility of 18F-FDG-PET/MR for preoperative breast cancer staging. <i>European Radiology</i> , 2016, 26, 2297-2307.	4.5	45
15	Performance Evaluation of the FLEX Triumph X-PET Scanner Using the National Electrical Manufacturers Association NU-4 Standards. <i>Journal of Nuclear Medicine</i> , 2010, 51, 1608-1615.	5.0	44
16	Open-source software in medical imaging: development of OsiriX. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2006, 1, 187-196.	2.8	40
17	PET/MR in Breast Cancer. <i>Seminars in Nuclear Medicine</i> , 2015, 45, 304-321.	4.6	37
18	Open Source software and social networks: Disruptive alternatives for medical imaging. <i>European Journal of Radiology</i> , 2011, 78, 259-265.	2.6	35

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19	Social media for radiologists: an introduction. <i>Insights Into Imaging</i> , 2015, 6, 741-752.	3.4	34
20	Clinical validity of presynaptic dopaminergic imaging with ^{123}I -ioflupane and noradrenergic imaging with ^{123}I -MIBG in the differential diagnosis between Alzheimer's disease and dementia with Lewy bodies in the context of a structured 5-phase development framework. <i>Neurobiology of Aging</i> , 2017, 52, 228-242.	3.1	34
21	^{18}F FDG-PET-CT. <i>Stroke</i> , 2014, 45, 3561-3566.	2.0	27
22	Pannexin1 links lymphatic function to lipid metabolism and atherosclerosis. <i>Scientific Reports</i> , 2017, 7, 13706.	3.3	18
23	PET/MRI: a new era in multimodality molecular imaging. <i>Clinical and Translational Imaging</i> , 2013, 1, 5-10.	2.1	17
24	Use of Personal Digital Assistants for Retrieval of Medical Images and Data on High-Resolution Flat Panel Displays. <i>Radiographics</i> , 2003, 23, 267-272.	3.3	16
25	Diagnostic and prognostic correlates of preoperative FDG PET for breast cancer. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2012, 39, 1618-1627.	6.4	15
26	Target Definition in Salvage Radiotherapy for Recurrent Prostate Cancer: The Role of Advanced Molecular Imaging. <i>Frontiers in Oncology</i> , 2016, 6, 73.	2.8	15
27	Downstream indication to revascularization following hybrid cardiac PET/MRI. <i>Nuclear Medicine Communications</i> , 2017, 38, 515-522.	1.1	15
28	Congenital Complete Absence of the Pericardium. <i>Circulation</i> , 2001, 103, 3154-3155.	1.6	14
29	CT-Based Attenuation Correction on the FLEX Triumph Preclinical PET/CT Scanner. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 66-75.	2.0	14
30	Nicotinic receptor abnormalities as a biomarker in idiopathic generalized epilepsy. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2019, 46, 385-395.	6.4	14
31	Recurrent prostate cancer after radical prostatectomy: restaging performance of ^{18}F -choline hybrid PET/MRI. <i>Medical Oncology</i> , 2019, 36, 67.	2.5	13
32	Portable image-manipulation software: What is the extra development cost?. <i>Journal of Digital Imaging</i> , 1992, 5, 176-184.	2.9	12
33	Cardiovascular clinical applications of PET/MRI. <i>Clinical and Translational Imaging</i> , 2013, 1, 65-71.	2.1	12
34	Computed tomography calcium score scan for attenuation correction of N-13 ammonia cardiac positron emission tomography: effect of respiratory phase and registration method. <i>International Journal of Cardiovascular Imaging</i> , 2013, 29, 1351-1360.	1.5	10
35	Nicotinic Acetylcholine Receptor Density in the "Higher-Order" Thalamus Projecting to the Prefrontal Cortex in Humans: a PET Study. <i>Molecular Imaging and Biology</i> , 2020, 22, 417-424.	2.6	7
36	^{11}C acetate PET/CT Visualizes Skeletal Muscle Exercise Participation, Impaired Function, and Recovery after Hip Arthroplasty; First Results. <i>Molecular Imaging and Biology</i> , 2011, 13, 793-799.	2.6	6

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37	PET/MRI. Clinical and Translational Imaging, 2013, 1, 3-4.	2.1	6
38	Dopaminergic denervation is not necessary to induce gait disorders in atypical parkinsonian syndrome. Journal of the Neurological Sciences, 2015, 351, 127-132.	0.6	6
39	Higher availability of $\alpha 4\beta 2$ nicotinic receptors (nAChRs) in dorsal ACC is linked to more efficient interference control. NeuroImage, 2020, 214, 116729.	4.2	6
40	PET/CT image navigation and communication. Journal of Nuclear Medicine, 2004, 45 Suppl 1, 46S-55S.	5.0	6
41	PACS for Bhutan: a cost effective open source architecture for emerging countries. Insights Into Imaging, 2016, 7, 747-753.	3.4	5
42	Unique Discordance. Circulation, 2004, 109, 2252-2253.	1.6	4
43	EXPERIMENTAL CARDIOVASCULAR AND LUNG RESEARCH Biological effects of anti-CD34-coated ePTFE vascular grafts. Early in vivo experimental results. Kardiochirurgia I Torakochirurgia Polska, 2014, 2, 182-190.	0.1	4
44	A Comparison of Two Statistical Mapping Tools for Automated Brain FDG-PET Analysis in Predicting Conversion to Alzheimer's Disease in Subjects with Mild Cognitive Impairment. Current Alzheimer Research, 2021, 17, 1186-1194.	1.4	4
45	The hospital of the future: rethinking architectural design to enable new patient-centered treatment concepts. International Journal of Computer Assisted Radiology and Surgery, 2022, 17, 1177-1187.	2.8	4
46	Radionuclide evaluation of right ventricular wall motion after surgery in tetralogy of Fallot. Pediatric Cardiology, 1989, 10, 25-31.	1.3	3
47	NEMA NU-04-based performance characteristics of the LabPET-8; small animal PET scanner. , 2011, , .		3
48	Detection of cardiac wall motion asynchrony by computer analysis techniques. Visual Computer, 1985, 1, 169-173.	3.5	2
49	Teleradiology in the operating room of the future. Journal of Digital Imaging, 1999, 12, 139-140.	2.9	2
50	<title>Navigating the fifth dimension: new concepts in interactive multimodality and multidimensional image navigation</title>. , 2005, , .		2
51	CT-based attenuation correction on the FLEX Triumph; preclinical PET/CT scanner. , 2009, , .		2
52	FDG PET-CT in detection of diaphragmatic metastasis of dedifferentiated liposarcoma: A case report. European Journal of Radiology Extra, 2011, 77, e35-e38.	0.1	2
53	Fat-Constrained ¹⁸ F-FDG PET Reconstruction in Hybrid PET/MR Imaging. Journal of Nuclear Medicine, 2014, 55, 1643-1649.	5.0	2
54	Study of skeletal muscle behavior by PET/MRI. , 2014, , .		2

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55	A Perspective on the Impact of the Shine-Through Artifact in Clinical Applications of PET/MR Imaging. Journal of Nuclear Medicine, 2015, 56, 815-816.	5.0	2
56	PET-CT in neuroradiology. Clinical and Translational Neuroscience, 2019, 3, 2514183X1986814.	0.9	2
57	PET/MRI in Breast Cancer. , 2018, , 261-280.		1
58	The role of advanced neuroimaging techniques in ischemic stroke prevention. Clinical and Translational Neuroscience, 2019, 3, 2514183X1988144.	0.9	1
59	[¹¹ C]acetate and PET/CT assessment of muscle activation in rat studies. International Journal of Computer Assisted Radiology and Surgery, 2016, 11, 733-743.	2.8	0
60	A multicentric IT platform for storage and sharing of imaging-based radiation dosimetric data. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 1639-1643.	2.8	0