

Babak Saboury

List of Publications by Year in descending order

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109
papers

4,571
citations

186265

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106344

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docs citations

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times ranked

6558
citing authors

#	ARTICLE	IF	CITATIONS
1	Longitudinal Characterization of Vascular Inflammation and Disease Activity in Takayasu Arteritis and Giant Cell Arteritis: A Single-Center Prospective Study. <i>Arthritis Care and Research</i> , 2023, 75, 1362-1370.	3.4	3
2	Comparing Semiquantitative and Qualitative Methods of Vascular ¹⁸ F-FDG PET Activity Measurement in Large-Vessel Vasculitis. <i>Journal of Nuclear Medicine</i> , 2022, 63, 280-286.	5.0	18
3	Global cardiac atherosclerotic burden assessed by artificial intelligence-based versus manual segmentation in 18F-sodium fluoride PET/CT scans: Head-to-head comparison. <i>Journal of Nuclear Cardiology</i> , 2022, 29, 2531-2539.	2.1	8
4	Sporadic Primary Pheochromocytoma: A Prospective Intraindividual Comparison of Six Imaging Tests (CT, MRI, and PET/CT Using ⁶⁸ Ga-DOTATATE, FDG, ¹⁸ F-FDOPA, and ¹²³ I-MIBG). <i>Journal of Nuclear Medicine</i> , 2022, 63, 1021-1027.	10.2	50
5	Nuclear Medicine and Artificial Intelligence: Best Practices for Algorithm Development. <i>Journal of Nuclear Medicine</i> , 2022, 63, 500-510.	5.0	43
6	Trustworthy Artificial Intelligence in Medical Imaging. <i>PET Clinics</i> , 2022, 17, 1-12.	3.0	26
7	Evidence-Based Artificial Intelligence in Medical Imaging. <i>PET Clinics</i> , 2022, 17, 51-55.	3.0	3
8	Artificial Intelligence in Medical Imaging and its Impact on the Rare Disease Community: Threats, Challenges and Opportunities. <i>PET Clinics</i> , 2022, 17, 13-29.	3.0	13
9	Artificial Intelligence in Vascular-PET. <i>PET Clinics</i> , 2022, 17, 95-113.	3.0	6
10	Taming the Complexity: Using Artificial Intelligence in a Cross-Disciplinary Innovative Platform to Redefine Molecular Imaging and Radiopharmaceutical Therapy. <i>PET Clinics</i> , 2022, 17, xvii-xix.	3.0	1
11	Applications of Artificial Intelligence in 18F-Sodium Fluoride Positron Emission Tomography/Computed Tomography. <i>PET Clinics</i> , 2022, 17, 115-135.	3.0	4
12	AI-Based Detection, Classification and Prediction/Prognosis in Medical Imaging. <i>PET Clinics</i> , 2022, 17, 183-212.	3.0	31
13	Artificial Intelligence in Lymphoma PET Imaging. <i>PET Clinics</i> , 2022, 17, 145-174.	3.0	23
14	Artificial Intelligence and Positron Emission Tomography Imaging Workflow. <i>PET Clinics</i> , 2022, 17, 31-39.	3.0	7
15	Potential and Most Relevant Applications of Total Body PET/CT Imaging. <i>Clinical Nuclear Medicine</i> , 2022, 47, 43-55.	1.3	15
16	Advantages and Applications of Total-Body PET Scanning. <i>Diagnostics</i> , 2022, 12, 426.	2.6	24
17	IDIOMS. <i>Digital Government Research and Practice (DGOV)</i> , 2021, 2, 1-5.	1.7	1
18	¹⁸ Fluorodeoxyglucose-positron emission tomography/computed tomography for differentiation of renal tumors in hereditary kidney cancer syndromes. <i>Abdominal Radiology</i> , 2021, 46, 3301-3308.	2.1	4

#	ARTICLE	IF	CITATIONS
19	A deep-learning based artificial intelligence (AI) approach for differentiation of clear cell renal cell carcinoma from oncocytoma on multi-phasic MRI. <i>Clinical Imaging</i> , 2021, 77, 291-298.	1.5	25
20	Alavi's Carlsen Calcification Score (ACCS): A Simple Measure of Global Cardiac Atherosclerosis Burden. <i>Diagnostics</i> , 2021, 11, 1421.	2.6	12
21	Objective Task-Based Evaluation of Artificial Intelligence-Based Medical Imaging Methods. <i>PET Clinics</i> , 2021, 16, 493-511.	3.0	25
22	PET and AI Trajectories Finally Coming into Alignment. <i>PET Clinics</i> , 2021, 16, xv-xvi.	3.0	5
23	Artificial Intelligence in PET. <i>PET Clinics</i> , 2021, 16, 483-492.	3.0	4
24	Equitable Implementation of Artificial Intelligence in Medical Imaging: What Can be Learned from Implementation Science?. <i>PET Clinics</i> , 2021, 16, 643-653.	3.0	5
25	Role of Artificial Intelligence in Theranostics. <i>PET Clinics</i> , 2021, 16, 627-641.	3.0	12
26	Toward High-Throughput Artificial Intelligence-Based Segmentation in Oncological PET Imaging. <i>PET Clinics</i> , 2021, 16, 577-596.	3.0	23
27	A Brief History of AI: How to Prevent Another Winter (A Critical Review). <i>PET Clinics</i> , 2021, 16, 449-469.	3.0	40
28	Assessment of atherosclerosis in multiple myeloma and smoldering myeloma patients using 18F-sodium fluoride PET/CT. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 3044-3054.	2.1	9
29	Comparison of Low Dose Performance of Photon-Counting and Energy Integrating CT. <i>Academic Radiology</i> , 2021, 28, 1754-1760.	2.5	33
30	Evaluation of Coronary Plaques and Stents with Conventional and Photon-counting CT: Benefits of High-Resolution Photon-counting CT. <i>Radiology: Cardiothoracic Imaging</i> , 2021, 3, e210102.	2.5	25
31	Future Directions in Artificial Intelligence. <i>Radiologic Clinics of North America</i> , 2021, 59, 1085-1095.	1.8	6
32	Tumor Response to Radiopharmaceutical Therapies: The Knowns and the Unknowns. <i>Journal of Nuclear Medicine</i> , 2021, 62, 12S-22S.	5.0	14
33	Parathyroid Imaging: Past, Present, and Future. <i>Frontiers in Endocrinology</i> , 2021, 12, 760419.	3.5	33
34	18F-FDG-PET/CT in measuring volume and global metabolic activity of thigh muscles. <i>Nuclear Medicine Communications</i> , 2020, 41, 162-168.	1.1	8
35	The Future of PET-MRI Beyond "PET Plus MRI": Advances in Clinical Radiology, 2020, 2, 165-190.	0.2	1
36	Potential Applications of PET/CT/MR Imaging in Inflammatory Diseases. <i>PET Clinics</i> , 2020, 15, 547-558.	3.0	5

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37	Potential Applications of PET Scans, CT Scans, and MR Imaging in Inflammatory Diseases. PET Clinics, 2020, 15, 559-576.	3.0	4
38	Comparison of Chest Radiograph Interpretations by Artificial Intelligence Algorithm vs Radiology Residents. JAMA Network Open, 2020, 3, e2022779.	5.9	86
39	Reinventing Molecular Imaging with Total-Body PET, Part II. PET Clinics, 2020, 15, 463-475.	3.0	17
40	PET/MR Imaging in Musculoskeletal Precision Imaging - Third wave after X-Ray and MR. PET Clinics, 2020, 15, 521-534.	3.0	7
41	Reinventing Molecular Imaging with Total-Body PET, Part I. PET Clinics, 2020, 15, 427-438.	3.0	18
42	Quantification of global lung inflammation using volumetric 18F-FDG PET/CT parameters in locally advanced non-small-cell lung cancer patients treated with concurrent chemoradiotherapy. Nuclear Medicine Communications, 2019, 40, 618-625.	1.1	7
43	Access to Imaging Technology in Global Health. , 2019, , 15-33.		2
44	Immune Effector Cell-Associated Neurotoxicity Syndrome (ICANS) after CD19-Directed Chimeric Antigen Receptor T-Cell Therapy (CAR-T) for Large B-Cell Lymphoma: Predictive Biomarkers and Clinical Outcomes. Blood, 2019, 134, 3239-3239.	1.4	4
45	Increased Cortical Glycolysis Following CD19 CART Therapy: A Radiographic Surrogate for an Altered Blood-Brain Barrier. Blood, 2019, 134, 4454-4454.	1.4	3
46	Early imaging biomarker assessment to predict long-term responses for large B-cell lymphoma (LBCL) after CAR-T therapy.. Journal of Clinical Oncology, 2019, 37, 7560-7560.	1.6	2
47	Reinventing Radiology: Big Data and the Future of Medical Imaging. Journal of Thoracic Imaging, 2018, 33, 4-16.	1.5	63
48	Feature analysis of ultrasound elastography image for quantitative assessment of cutaneous carcinoma. Skin Research and Technology, 2018, 24, 242-247.	1.6	7
49	Computer-Aided Reporting of Chest Radiographs: Efficient and Effective Screening in the Value-Based Imaging Era. Journal of Digital Imaging, 2017, 30, 589-594.	2.9	3
50	Prognostic Predictors of Visual Outcome in Open Globe Injury: Emphasis on Facial CT Findings. American Journal of Neuroradiology, 2017, 38, 1013-1018.	2.4	8
51	Finding the sweet spot for metformin in 18F-FDG-PET. Nuclear Medicine Communications, 2017, 38, 875-880.	1.1	7
52	Quantification of aging effects upon global knee inflammation by 18F-FDG-PET. Nuclear Medicine Communications, 2016, 37, 254-258.	1.1	21
53	Quantitative normal thoracic anatomy at CT. Computerized Medical Imaging and Graphics, 2016, 51, 1-10.	5.8	6
54	Effect of transarterial chemoembolization prior to selective internal radiation therapy on yttrium-90 microsphere delivery in hepatocellular carcinoma patients.. Journal of Clinical Oncology, 2016, 34, 458-458.	1.6	0

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55	WE-AB-BRA-05: PET-Guided Delivery Quality Evaluation of Yttrium-90 Microsphere Radioembolization for Hepatocellular Carcinoma Patients: The Optimal Sequence of Radioembolization and Chemoembolization Treatments. <i>Medical Physics</i> , 2016, 43, 3792-3792.	3.0	0
56	Increased 18F-FDG uptake suggests synovial inflammatory reaction with osteoarthritis. <i>Nuclear Medicine Communications</i> , 2015, 36, 1215-1219.	1.1	21
57	Application of Partial Volume Effect Correction and 4D PET in the Quantification of FDG Avid Lung Lesions. <i>Molecular Imaging and Biology</i> , 2015, 17, 140-148.	2.6	32
58	A Pilot Trial to Examine the Effect of High-Dose Niacin on Arterial Wall Inflammation Using Fluorodeoxyglucose Positron Emission Tomography. <i>Academic Radiology</i> , 2015, 22, 600-609.	2.5	3
59	Liver Toxicity Versus Dose Volume Parameters of Normal Liver for Yttrium-90 Radioembolization of Hepatic Tumors. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, E179.	0.8	0
60	Clinical Implementation of Novel 3-D In Vivo Dose Assessment Method for Yttrium-90 Radioembolization of Hepatic Lesions. <i>International Journal of Radiation Oncology Biology Physics</i> , 2015, 93, E139-E140.	0.8	0
61	WE-AB-204-02: Molecular-Imaging Based Assessment of Liver Complications for Yttrium-90 Microsphere Treatments: Can Existing NTCP Models Explain Clinical Outcomes?. <i>Medical Physics</i> , 2015, 42, 3659-3659.	3.0	0
62	Adverse Functional Effects of Chemotherapy on Whole-Brain Metabolism. <i>Clinical Nuclear Medicine</i> , 2014, 39, e35-e39.	1.3	26
63	FDG PET for Diagnosing Infection in Hip and Knee Prostheses. <i>Clinical Nuclear Medicine</i> , 2014, 39, 609-615.	1.3	77
64	Quantitative assessment of global hepatic glycolysis in patients with cirrhosis and normal controls using 18F-FDG-PET/CT: a pilot study. <i>Annals of Nuclear Medicine</i> , 2014, 28, 53-59.	2.2	16
65	Quantitative assessment of global lung inflammation following radiation therapy using FDG PET/CT: a pilot study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 350-356.	6.4	54
66	FDG PET/CT in Crohn's disease: correlation of quantitative FDG PET/CT parameters with clinical and endoscopic surrogate markers of disease activity. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2014, 41, 605-614.	6.4	65
67	Comment on: "Tumor Aggressiveness and Patient Outcome in Cancer of the Pancreas Assessed by Dynamic 18F-FDG PET/CT". <i>Journal of Nuclear Medicine</i> , 2014, 55, 350-351.	5.0	7
68	Body-wide hierarchical fuzzy modeling, recognition, and delineation of anatomy in medical images. <i>Medical Image Analysis</i> , 2014, 18, 752-771.	11.6	81
69	Role of FDG PET/CT in investigating the mechanisms underlying atherosclerotic plaque formation and evolution. <i>Revista Espanola De Medicina Nuclear E Imagen Molecular</i> , 2013, 32, 246-252.	0.0	3
70	Assessment of Global Cardiac Uptake of Radiolabeled Iron Oxide Nanoparticles in Apolipoprotein-E-Deficient Mice: Implications for Imaging Cardiovascular Inflammation. <i>Molecular Imaging and Biology</i> , 2013, 16, 330-9.	2.6	14
71	The Value of Radiologic Interventions and 18F-DOPA PET in Diagnosing and Localizing Focal Congenital Hyperinsulinism: Systematic Review and Meta-Analysis. <i>Molecular Imaging and Biology</i> , 2013, 15, 97-105.	2.6	55
72	125 I-Cell Mass Imaging with DTBZ Positron Emission Tomography: Is it Possible?. <i>Molecular Imaging and Biology</i> , 2013, 15, 1-2.	2.6	9

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73	Fuzzy model-based body-wide anatomy recognition in medical images. , 2013, , .		6
74	Delayed time-point 18F-FDG PET CT imaging enhances assessment of atherosclerotic plaque inflammation. Nuclear Medicine Communications, 2013, 34, 860-867.	1.1	30
75	A Phase I Study of an Agonist CD40 Monoclonal Antibody (CP-870,893) in Combination with Gemcitabine in Patients with Advanced Pancreatic Ductal Adenocarcinoma. Clinical Cancer Research, 2013, 19, 6286-6295.	7.0	382
76	PET/MR Imaging: Technical Aspects and Potential Clinical Applications. Radiology, 2013, 267, 26-44.	7.3	199
77	A comparison of vascular inflammation in psoriasis, rheumatoid arthritis, and healthy subjects by FDG-PET/CT: a pilot study. American Journal of Cardiovascular Disease, 2013, 3, 273-8.	0.5	46
78	In vivo quantification of pulmonary inflammation in relation to emphysema severity via partial volume corrected (18)F-FDG-PET using computer-assisted analysis of diagnostic chest CT. Hellenic Journal of Nuclear Medicine, 2013, 16, 12-8.	0.3	20
79	The effect of breathing irregularities on quantitative accuracy of respiratory gated PET/CT. Medical Physics, 2012, 39, 7390-7397.	3.0	29
80	Automatic anatomy recognition via fuzzy object models. Proceedings of SPIE, 2012, , .	0.8	11
81	Quantification of Atherosclerotic Plaque Activity and Vascular Inflammation using [18-F] Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography (FDG-PET/CT). Journal of Visualized Experiments, 2012, , e3777.	0.3	46
82	Relation Between Popliteal-Tibial Artery Atherosclerosis and Global Glycolytic Metabolism in the Affected Diabetic Foot. Journal of the American Podiatric Medical Association, 2012, 102, 240-246.	0.3	9
83	Direct comparison of fluorodeoxyglucose positron emission tomography and arterial spin labeling magnetic resonance imaging in Alzheimer's disease. Alzheimer's and Dementia, 2012, 8, 51-59.	0.8	149
84	Promising Roles of PET in Management of Arthroplasty-Associated Infection. PET Clinics, 2012, 7, 139-150.	3.0	3
85	Emerging role of radiolabeled nanoparticles as an effective diagnostic technique. EJNMMI Research, 2012, 2, 39.	2.5	120
86	Amyloid- β imaging with PET in Alzheimer's disease: is it feasible with current radiotracers and technologies?. European Journal of Nuclear Medicine and Molecular Imaging, 2012, 39, 202-208.	6.4	40
87	Aortic vascular inflammation in psoriasis is associated with HDL particle size and concentration: a pilot study. American Journal of Cardiovascular Disease, 2012, 2, 285-92.	0.5	25
88	Feasibility of estimation of brain volume and 2-deoxy-2-(18)F-fluoro-D-glucose metabolism using a novel automated image analysis method: application in Alzheimer's disease. Hellenic Journal of Nuclear Medicine, 2012, 15, 190-6.	0.3	10
89	Role of Global Disease Assessment by Combined PET-CT-MR Imaging in Examining Cardiovascular Disease. PET Clinics, 2011, 6, 421-429.	3.0	1
90	Detection and Quantification of Molecular Calcification by PET/Computed Tomography: A New Paradigm in Assessing Atherosclerosis. PET Clinics, 2011, 6, 409-415.	3.0	8

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91	CD40 Agonists Alter Tumor Stroma and Show Efficacy Against Pancreatic Carcinoma in Mice and Humans. <i>Science</i> , 2011, 331, 1612-1616.	12.6	1,407
92	Hybrid PET Imaging in Neurologic Disease: PET/MRI Rather than PET/CT. <i>Current Medical Imaging</i> , 2011, 7, 193-201.	0.8	1
93	Current Evidence Base of FDG-PET/CT Imaging in the Clinical Management of Malignant Pleural Mesothelioma: Emerging Significance of Image Segmentation and Global Disease Assessment. <i>Molecular Imaging and Biology</i> , 2011, 13, 801-811.	2.6	56
94	Clinical Utility of FDG-PET and PET/CT in Non-malignant Thoracic Disorders. <i>Molecular Imaging and Biology</i> , 2011, 13, 1051-1060.	2.6	44
95	A new dimension of FDG-PET interpretation: assessment of tumor biology. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1158-1170.	6.4	86
96	Defining the role of modern imaging techniques in assessing lymph nodes for metastasis in cancer: evolving contribution of PET in this setting. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1353-1366.	6.4	11
97	Suboptimal and inadequate quantification: an alarming crisis in medical applications of PET. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1381-1382.	6.4	17
98	Evolving role of molecular imaging with PET in detecting and characterizing heterogeneity of cancer tissue at the primary and metastatic sites, a plausible explanation for failed attempts to cure malignant disorders. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 987-991.	6.4	82
99	Evolving role of FDG PET imaging in assessing joint disorders: a systematic review. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2011, 38, 1939-1955.	6.4	22
100	Systemic and Vascular Inflammation in Patients With Moderate to Severe Psoriasis as Measured by [18F]-Fluorodeoxyglucose Positron Emission Tomography -Computed Tomography (FDG-PET/CT). <i>Archives of Dermatology</i> , 2011, 147, 1031.	1.4	194
101	Imaging the Infected Heart. <i>Science Translational Medicine</i> , 2011, 3, 99fs3.	12.4	7
102	Beta-cell Imaging: Opportunities and Limitations. <i>Journal of Nuclear Medicine</i> , 2011, 52, 493.1-493.	5.0	14
103	Fuzzy object modeling. <i>Proceedings of SPIE</i> , 2011, , .	0.8	15
104	Feasibility and performance of novel software to quantify metabolically active volumes and 3D partial volume corrected SUV and metabolic volumetric products of spinal bone marrow metastases on 18F-FDG-PET/CT. <i>Hellenic Journal of Nuclear Medicine</i> , 2011, 14, 8-14.	0.3	43
105	Detection and global quantification of cardiovascular molecular calcification by fluoro18-fluoride positron emission tomography/computed tomography--a novel concept. <i>Hellenic Journal of Nuclear Medicine</i> , 2011, 14, 114-20.	0.3	85
106	Comment on: "FDG PET and PET/CT: EANM procedure guidelines for tumour PET imaging, version 1.0". <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010, 37, 1430-1431.	6.4	8
107	Erectile Dysfunction Severity as a Risk Predictor for Coronary Artery Disease. <i>Journal of Sexual Medicine</i> , 2009, 6, 3425-3432.	0.6	55
108	Modern Quantitative Techniques for PET/CT/MR Hybrid Imaging. , 0, , .		1

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109	Role of 18F-FDG PET/CT in management of adrenocortical carcinoma: a comprehensive review of the literature. Clinical and Translational Imaging, 0, , 1.	2.1	1