Ioannis M Tsougos

List of Publications by Year in descending order

98 papers	1,383 citations	430874 18 h-index	414414 32 g-index
98 all docs	98 docs citations	98 times ranked	2171 citing authors

#	Article	IF	Citations
1	Machine Learning in Meningioma MRI: Past to Present. A Narrative Review. Journal of Magnetic Resonance Imaging, 2022, 55, 48-60.	3.4	19
2	Differences of apathy perfusion correlates between Alzheimerâ€™s disease and frontotemporal dementia. A 99mTc-HMPAO SPECT study with automated Brodmann areas analysis. International Journal of Psychiatry in Clinical Practice, 2022, 26, 14-22.	2.4	4
3	PCaGuard: A Software Platform to Support Optimal Management of Prostate Cancer. Applied Clinical Informatics, 2022, 13, 091-099.	1.7	8
4	Breast Cancer Classification on Multiparametric MRI â€“ Increased Performance of Boosting Ensemble Methods. Technology in Cancer Research and Treatment, 2022, 21, 153303382210878.	1.9	12
5	Anosognosia in Dementia: Evaluation of Perfusion Correlates Using 99mTc-HMPAO SPECT and Automated Brodmann Areas Analysis. Diagnostics, 2022, 12, 1136.	2.6	0
6	Novel approaches for the management of coronary artery disease. Herz, 2021, 46, 89-90.	1.1	1
7	In the era of FDG PET, is it time for brain perfusion SPECT to gain a place in Alzheimerâ€™s disease imaging biomarkers?. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 969-971.	6.4	4
8	Letter to the Editor. Acta Radiologica, 2021, 62, 585-585.	1.1	0
9	OUP accepted manuscript. European Journal of Cardio-thoracic Surgery, 2021, , .	1.4	1
10	Eating Disorders in Frontotemporal Dementia and Alzheimerâ€™s Disease: Evaluation of Brain Perfusion Correlates Using 99mTc-HMPAO SPECT with Brodmann Areas Analysis. Journal of Alzheimer's Disease, 2021, 80, 1657-1667.	2.6	2
11	COVID-19 crisis: will online learning have negative consequences to our students?. Cardiology in the Young, 2021, 31, 511-511.	0.8	4
12	A facile approach to prepare silica hybrid, spin-crossover water-soluble nanoparticles as potential candidates for thermally responsive MRI agents. Dalton Transactions, 2021, 50, 13227-13231.	3.3	6
13	Incorporating diffusion-weighted imaging in a diagnostic algorithm for multiparametric MR mammography. Acta Radiologica, 2021, , 028418512110418.	1.1	0
14	Correlation of Neuropsychiatric Symptoms in Dementia with Brain Perfusion: A 99mTc-SPECT-HMPAO Study with Brodmann Areas Analysis. Current Alzheimer Research, 2021, 18, 970-983.	1.4	3
15	Low-dose radiation cancer risk hypothesis may lead to â€˜radiophobiaâ€™-driven imaging avoidance?. Journal of Nuclear Cardiology, 2020, 27, 1050.	2.1	5
16	Decision support systems in breast cancer. , 2020, , 319-327.		1
17	EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELD EXPOSURE MEASUREMENT IN THE VICINITY OF WIND TURBINES. Radiation Protection Dosimetry, 2020, 189, 395-400.	0.8	6
18	Pet tracers for vulnerable plaque imaging. Annals of Nuclear Medicine, 2020, 34, 305-313.	2.2	5

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19	Differential Diagnosis of Behavioral Variant and Semantic Variant of Frontotemporal Dementia Using Visual Rating Scales. Current Medical Imaging, 2020, 16, 444-451.	0.8	2
20	Imaging biomarker analysis of advanced multiparametric MRI for glioma grading. Physica Medica, 2019, 60, 188-198.	0.7	70
21	Evaluation of the Performance of 18F-Fluorothymidine Positron Emission Tomography/Computed Tomography (18F-FLT-PET/CT) in Metastatic Brain Lesions. Diagnostics, 2019, 9, 17.	2.6	5
22	PET Counting Response Variability Depending on Tumor Location, Activity, and Patient Obesity: A Feasibility Study of Solitary Pulmonary Nodule Using Monte Carlo. IEEE Transactions on Medical Imaging, 2019, 38, 1763-1774.	8.9	0
23	Diagnostic performance of quantitative diffusion tensor imaging for the differentiation of breast lesions at 3â€¯T MRI. Clinical Imaging, 2019, 53, 25-31.	1.5	12
24	Impact of reninâ€“angiotensinâ€“aldosterone system polymorphisms on myocardial perfusion: Correlations with myocardial single photon emission computed tomography-derived parameters. Journal of Nuclear Cardiology, 2019, 26, 1298-1308.	2.1	7
25	Detection of extramedullary hematopoietic tissue in a patient with beta-thalassemia major on Tc99m-sestamibi parathyroid scintigraphy. Indian Journal of Nuclear Medicine, 2019, 34, 324.	0.3	0
26	Radiolabeled mAbs as Molecular Imaging and/or Therapy Agents Targeting PSMA. Cancer Investigation, 2018, 36, 118-128.	1.3	12
27	Reproducibility of apparent diffusion coefficient measurements evaluated with different workstations. Clinical Radiology, 2018, 73, 141-148.	1.1	3
28	Myocardial strain may predict exercise tolerance in patients with reduced and mid-range ejection fraction. Hellenic Journal of Cardiology, 2018, 59, 331-335.	1.0	12
29	Exploiting morphology and texture of 3D tumor models in DTI for differentiating glioblastoma multiforme from solitary metastasis. Biomedical Signal Processing and Control, 2018, 43, 159-173.	5.7	9
30	Myocardial perfusion and left ventricular quantitative parameters obtained using gated myocardial SPECT: Comparison of three software packages. Journal of Nuclear Cardiology, 2018, 25, 911-924.	2.1	14
31	Application of Radiomics and Decision Support Systems for Breast MR Differential Diagnosis. Computational and Mathematical Methods in Medicine, 2018, 2018, 1-8.	1.3	22
32	Contrast-enhanced and unenhanced diffusion-weighted imaging of the breast at 3 T. Clinical Radiology, 2018, 73, 928-935.	1.1	6
33	SPECT and PET imaging in Alzheimerâ€™s disease. Annals of Nuclear Medicine, 2018, 32, 583-593.	2.2	106
34	Neuroimaging methods in Epilepsy of Temporal Origin. Current Medical Imaging, 2018, 15, 39-51.	0.8	7
35	SPECT and PET in ischemic heart failure. Heart Failure Reviews, 2017, 22, 243-261.	3.9	20
36	18F-fluorothymidine PET imaging in gliomas: an update. Annals of Nuclear Medicine, 2017, 31, 495-505.	2.2	31

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37	Multimodality-multiparametric brain tumors evaluation. Hellenic Journal of Nuclear Medicine, 2017, 20, 57-61.	0.3	5
38	Multifunctional Polymeric Platform of Magnetic Ferrite Colloidal Superparticles for Luminescence, Imaging, and Hyperthermia Applications. ACS Applied Materials & Interfaces, 2016, 8, 35059-35070.	8.0	40
39	FLT PET/CT in a Case of Demyelinating Disease. Clinical Nuclear Medicine, 2016, 41, e342-e345.	1.3	2
40	Local curvature analysis for differentiating Glioblastoma multiforme from solitary metastasis. , 2016, , .		0
41	Diffusion Imaging: Basic Principles. , 2016, , 73-100.		0
42	Clinical Evaluation of Brain Perfusion SPECT with Brodmann Areas Mapping in Early Diagnosis of Alzheimerâ€™s Disease. Journal of Alzheimer's Disease, 2015, 47, 773-785.	2.6	20
43	Prospective PET image quality gain calculation method by optimizing detector parameters. Nuclear Medicine Communications, 2015, 36, 1253-1263.	1.1	2
44	Magnetic colloidal superparticles of Co, Mn and Ni ferrite featured with comb-type and/or linear amphiphilic polyelectrolytes; NMR and MRI relaxometry. Dalton Transactions, 2015, 44, 10980-10990.	3.3	15
45	Reply to: The usefulness of diffusion-tensor imaging for the differential diagnosis of breast lesions. Acta Radiologica, 2015, 56, NP45-NP45.	1.1	0
46	Fast spectroscopic multiple analysis (FASMA) for brain tumor classification: a clinical decision support system utilizing multi-parametric 3T MR data. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 1149-1166.	2.8	10
47	Occupational Electromagnetic Fields exposure in Magnetic Resonance Imaging systems â€“ Preliminary results for the RF harmonic content. Physica Medica, 2015, 31, 757-762.	0.7	11
48	Brain Perfusion SPECT with Brodmann Areas Analysis in Differentiating Frontotemporal Dementia Subtypes. Current Alzheimer Research, 2014, 11, 941-954.	1.4	12
49	Response to â€œApplication value of 3T ¹H-magnetic resonance spectroscopy in diagnosing breast tumorsâ€• Acta Radiologica, 2014, 55, 418-419.	1.1	2
50	The role of diffusion and perfusion weighted imaging in the differential diagnosis of cerebral tumors: a review and future perspectives. Cancer Imaging, 2014, 14, 20.	2.8	87
51	The contribution of diffusion tensor imaging and magnetic resonance spectroscopy for the differentiation of breast lesions at 3T. Acta Radiologica, 2014, 55, 14-23.	1.1	41
52	Evaluation of fat saturation and contrast enhancement on T1-weighted FLAIR sequence of the spine at 3.0 T. Clinical Imaging, 2014, 38, 428-433.	1.5	4
53	T2 FLAIR artifacts at 3-T brain magnetic resonance imaging. Clinical Imaging, 2014, 38, 85-90.	1.5	15
54	Clinical decision support systems for brain tumor characterization using advanced magnetic resonance imaging techniques. World Journal of Radiology, 2014, 6, 72.	1.1	12

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55	Investigating brain tumor differentiation with diffusion and perfusion metrics at 3T MRI using pattern recognition techniques. Magnetic Resonance Imaging, 2013, 31, 1567-1577.	1.8	82
56	Classification methods for the differentiation of atypical meningiomas using diffusion and perfusion techniques at 3-T MRI. Clinical Imaging, 2013, 37, 856-864.	1.5	16
57	Long-term prognostic value of diastolic exercise echocardiography. International Journal of Cardiology, 2013, 169, e14-e16.	1.7	1
58	Automated differentiation of glioblastomas from intracranial metastases using 3T MR spectroscopic and perfusion data. International Journal of Computer Assisted Radiology and Surgery, 2013, 8, 751-761.	2.8	43
59	A review of PET normalization. Nuclear Medicine Communications, 2013, 34, 1033-1045.	1.1	7
60	Application value of 3T ¹H-magnetic resonance spectroscopy in diagnosing breast tumors. Acta Radiologica, 2013, 54, 380-388.	1.1	17
61	Temporal pole proton preoperative magnetic resonance spectroscopy in patients undergoing surgery for mesial temporal sclerosis. Neurosurgical Focus, 2012, 32, E3.	2.3	11
62	Quantification of Normal CSF Flow Through the Aqueduct Using PC-Cine MRI at 3T. Acta Neurochirurgica Supplementum, 2012, 113, 39-42.	1.0	12
63	Incremental prognostic value of 99mTc-tetrofosmin early poststress pulmonary uptake. Determination of the optimal cut-off value. Nuclear Medicine Communications, 2012, 33, 470-475.	1.1	3
64	Perfusion SPECT studies with mapping of Brodmann areas in differentiating Alzheimerâ€™s disease from frontotemporal degeneration syndromes. Nuclear Medicine Communications, 2012, 33, 1267-1276.	1.1	12
65	Experimental and simulation studies for the optimization of dedicated scintimammography cameras. Journal of Instrumentation, 2012, 7, P01011-P01011.	1.2	6
66	Distinct peak at 3.8 ppm observed by 3T MR spectroscopy in meningiomas, while nearly absent in high-grade gliomas and cerebral metastases. Molecular Medicine Reports, 2012, 5, 1011-1018.	2.4	35
67	Differentiation of glioblastoma multiforme from metastatic brain tumor using proton magnetic resonance spectroscopy, diffusion and perfusion metrics at 3 T. Cancer Imaging, 2012, 12, 423-436.	2.8	125
68	Strengths and Weaknesses of 1.5T and 3T MRS Data in Brain Glioma Classification. IEEE Transactions on Information Technology in Biomedicine, 2011, 15, 647-654.	3.2	12
69	Sequence variations in the FII, FV, F13A1, FGB and PAI-1 genes are associated with differences in myocardial perfusion. Pharmacogenomics, 2011, 12, 195-203.	1.3	19
70	Does hybrid diagnostic imaging in cardiology have the same significance as in oncology?. European Journal of Nuclear Medicine and Molecular Imaging, 2011, 38, 979-981.	6.4	1
71	On the use of published radiobiological parameters and the evaluation of NTCP models regarding lung pneumonitis in clinical breast radiotherapy. Australasian Physical and Engineering Sciences in Medicine, 2011, 34, 69-81.	1.3	7
72	Brain lesion classification using 3T MRS spectra and paired SVM kernels. Biomedical Signal Processing and Control, 2011, 6, 314-320.	5.7	10

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73	Radiation doses to paediatric patients and comforters undergoing chest X rays. Radiation Protection Dosimetry, 2011, 147, 171-175.	0.8	16
74	Myocardial Perfusion SPECT Imaging in Patients after Percutaneous Coronary Intervention. Current Cardiology Reviews, 2010, 6, 98-103.	1.5	10
75	Patient-specific internal radionuclide dosimetry. Nuclear Medicine Communications, 2010, 31, 97-106.	1.1	13
76	Development and evaluation of QSPECT open-source software for the iterative reconstruction of SPECT images. Nuclear Medicine Communications, 2010, 31, 558-566.	1.1	11
77	Long-term prognostic value of early poststress 99mTc-tetrofosmin lung uptake during exercise (SPECT) myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 789-798.	6.4	15
78	Darwinian molecular imaging in nuclear cardiology. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 829-830.	6.4	1
79	Serotonin and Neuron-specific Enolase. Neurosurgery Quarterly, 2010, 20, 297-303.	0.1	1
80	Cytolytic T-cell response against Epstein-Barr virus in lung cancer patients and healthy subjects. Journal of Experimental and Clinical Cancer Research, 2010, 29, 64.	8.6	0
81	A free software for the evaluation and comparison of dose response models in clinical radiotherapy (DORES). International Journal of Radiation Biology, 2009, 85, 227-237.	1.8	7
82	The involvement of HER2 and p53 status in the regulation of telomerase in irradiated breast cancer cells. International Journal of Oncology, 2009, 35, 1141-9.	3.3	14
83	Drug enhancement of myocardial tracer uptake during myocardial perfusion imaging. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 160-161.	6.4	2
84	Heart-rate recovery as a clinical marker of cardiovascular autonomic dysfunction in diabetic patients. European Journal of Nuclear Medicine and Molecular Imaging, 2009, 36, 320-321.	6.4	3
85	Impact of dopamine transporter single photon emission computed tomography imaging using I-123 ioflupane on diagnoses of patients with parkinsonian syndromes. Journal of Clinical Neuroscience, 2009, 16, 246-252.	1.5	19
86	Long-term prognostic value of heart-rate recovery after treadmill testing in patients with diabetes mellitus. International Journal of Cardiology, 2009, 134, 67-74.	1.7	16
87	A radionuclide dosimetry toolkit based on material-specific Monte Carlo dose kernels. Nuclear Medicine Communications, 2009, 30, 504-512.	1.1	22
88	Evaluation of brain perfusion in specific Brodmann areas in Frontotemporal dementia and Alzheimer disease using automated 3-D voxel based analysis. Journal of Instrumentation, 2009, 4, P05020-P05020.	1.2	6
89	Internal Radionuclide Dosimetry using Quantitative 3-D Nuclear Medical Imaging. , 2009, , 213-228.		0
90	Incremental prognostic value of 99mTc-tetrofosmin myocardial SPECT after percutaneous coronary intervention. Annals of Nuclear Medicine, 2008, 22, 899-909.	2.2	6

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91	Long-Term Prognostic Value of Tc-99m Tetrofosmin Myocardial Gated-SPECT Imaging in Asymptomatic Patients After Percutaneous Coronary Intervention. Clinical Nuclear Medicine, 2008, 33, 743-747.	1.3	13
92	NTCP modelling and pulmonary function tests evaluation for the prediction of radiation induced pneumonitis in non-small-cell lung cancer radiotherapy. Physics in Medicine and Biology, 2007, 52, 1055-1073.	3.0	33
93	Geometrical pre-planning for conformal radiotherapy. Acta OncolÃ³gica, 2007, 46, 918-927.	1.8	0
94	Correlation between radiation-induced telomerase activity and human telomerase reverse transcriptase mRNA expression in HeLa cells. International Journal of Radiation Biology, 2006, 82, 401-409.	1.8	13
95	Clinical validation of the LKB model and parameter sets for predicting radiation-induced pneumonitis from breast cancer radiotherapy. Physics in Medicine and Biology, 2006, 51, L1-L9.	3.0	12
96	Evaluation of doseâ€“response models and parameters predicting radiation induced pneumonitis using clinical data from breast cancer radiotherapy. Physics in Medicine and Biology, 2005, 50, 3535-3554.	3.0	25
97	Clinical Significance of Tetrofosm in Extracardiac Uptake During Myocardial Perfusion Imaging. , 0, , .		3
98	Neurotransmitter receptor densities are associated with changes in regional Cerebral blood flow during clinical ongoing pain. Human Brain Mapping, 0, , .	3.6	6