

Ioannis M Tsougos

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4887286/publications.pdf>

Version: 2024-02-01

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	Differentiation of glioblastoma multiforme from metastatic brain tumor using proton magnetic resonance spectroscopy, diffusion and perfusion metrics at 3 T. <i>Cancer Imaging</i> , 2012, 12, 423-436.	2.8	125
2	SPECT and PET imaging in Alzheimer's disease. <i>Annals of Nuclear Medicine</i> , 2018, 32, 583-593.	2.2	106
3	The role of diffusion and perfusion weighted imaging in the differential diagnosis of cerebral tumors: a review and future perspectives. <i>Cancer Imaging</i> , 2014, 14, 20.	2.8	87
4	Investigating brain tumor differentiation with diffusion and perfusion metrics at 3T MRI using pattern recognition techniques. <i>Magnetic Resonance Imaging</i> , 2013, 31, 1567-1577.	1.8	82
5	Imaging biomarker analysis of advanced multiparametric MRI for glioma grading. <i>Physica Medica</i> , 2019, 60, 188-198.	0.7	70
6	Automated differentiation of glioblastomas from intracranial metastases using 3T MR spectroscopic and perfusion data. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2013, 8, 751-761.	2.8	43
7	The contribution of diffusion tensor imaging and magnetic resonance spectroscopy for the differentiation of breast lesions at 3T. <i>Acta Radiologica</i> , 2014, 55, 14-23.	1.1	41
8	Multifunctional Polymeric Platform of Magnetic Ferrite Colloidal Superparticles for Luminescence, Imaging, and Hyperthermia Applications. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 35059-35070.	8.0	40
9	Distinct peak at 3.8 ppm observed by 3T MR spectroscopy in meningiomas, while nearly absent in high-grade gliomas and cerebral metastases. <i>Molecular Medicine Reports</i> , 2012, 5, 1011-1018.	2.4	35
10	NTCP modelling and pulmonary function tests evaluation for the prediction of radiation induced pneumonitis in non-small-cell lung cancer radiotherapy. <i>Physics in Medicine and Biology</i> , 2007, 52, 1055-1073.	3.0	33
11	¹⁸ F-fluorothymidine PET imaging in gliomas: an update. <i>Annals of Nuclear Medicine</i> , 2017, 31, 495-505.	2.2	31
12	Evaluation of dose-response models and parameters predicting radiation induced pneumonitis using clinical data from breast cancer radiotherapy. <i>Physics in Medicine and Biology</i> , 2005, 50, 3535-3554.	3.0	25
13	A radionuclide dosimetry toolkit based on material-specific Monte Carlo dose kernels. <i>Nuclear Medicine Communications</i> , 2009, 30, 504-512.	1.1	22
14	Application of Radiomics and Decision Support Systems for Breast MR Differential Diagnosis. <i>Computational and Mathematical Methods in Medicine</i> , 2018, 2018, 1-8.	1.3	22
15	Clinical Evaluation of Brain Perfusion SPECT with Brodmann Areas Mapping in Early Diagnosis of Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 47, 773-785.	2.6	20
16	SPECT and PET in ischemic heart failure. <i>Heart Failure Reviews</i> , 2017, 22, 243-261.	3.9	20
17	Impact of dopamine transporter single photon emission computed tomography imaging using I-123 ioflupane on diagnoses of patients with parkinsonian syndromes. <i>Journal of Clinical Neuroscience</i> , 2009, 16, 246-252.	1.5	19
18	Sequence variations in the <i>FIL</i> , <i>FV</i> , <i>F13A1</i> , <i>FGB</i> and <i>PAI-1</i> genes are associated with differences in myocardial perfusion. <i>Pharmacogenomics</i> , 2011, 12, 195-203.	1.3	19

#	ARTICLE	IF	CITATIONS
19	Machine Learning in Meningioma MRI: Past to Present. A Narrative Review. Journal of Magnetic Resonance Imaging, 2022, 55, 48-60.	3.4	19
20	Application value of 3T ¹ H-magnetic resonance spectroscopy in diagnosing breast tumors. Acta Radiologica, 2013, 54, 380-388.	1.1	17
21	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
22	Radiation doses to paediatric patients and comforters undergoing chest X rays. Radiation Protection Dosimetry, 2011, 147, 171-175.	0.8	16
23	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
24	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
25	T2 FLAIR artifacts at 3-T brain magnetic resonance imaging. Clinical Imaging, 2014, 38, 85-90.	1.5	15
26	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
27	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
28	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
29	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
30	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
31	Patient-specific internal radionuclide dosimetry. Nuclear Medicine Communications, 2010, 31, 97-106.	1.1	13
32	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
33	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
34	Quantification of Normal CSF Flow Through the Aqueduct Using PC-Cine MRI at 3T. Acta Neurochirurgica Supplementum, 2012, 113, 39-42.	1.0	12
35	Perfusion SPECT studies with mapping of Brodmann areas in differentiating Alzheimer's disease from frontotemporal degeneration syndromes. Nuclear Medicine Communications, 2012, 33, 1267-1276.	1.1	12
36	Brain Perfusion SPECT with Brodmann Areas Analysis in Differentiating Frontotemporal Dementia Subtypes. Current Alzheimer Research, 2014, 11, 941-954.	1.4	12

#	ARTICLE	IF	CITATIONS
37	Radiolabeled mAbs as Molecular Imaging and/or Therapy Agents Targeting PSMA. <i>Cancer Investigation</i> , 2018, 36, 118-128.	1.3	12
38	Myocardial strain may predict exercise tolerance in patients with reduced and mid-range ejection fraction. <i>Hellenic Journal of Cardiology</i> , 2018, 59, 331-335.	1.0	12
39	Diagnostic performance of quantitative diffusion tensor imaging for the differentiation of breast lesions at 3T MRI. <i>Clinical Imaging</i> , 2019, 53, 25-31.	1.5	12
40	Clinical decision support systems for brain tumor characterization using advanced magnetic resonance imaging techniques. <i>World Journal of Radiology</i> , 2014, 6, 72.	1.1	12
41	Breast Cancer Classification on Multiparametric MRI – Increased Performance of Boosting Ensemble Methods. <i>Technology in Cancer Research and Treatment</i> , 2022, 21, 153303382210878.	1.9	12
42	Development and evaluation of QSPECT open-source software for the iterative reconstruction of SPECT images. <i>Nuclear Medicine Communications</i> , 2010, 31, 558-566.	1.1	11
43	Temporal pole proton preoperative magnetic resonance spectroscopy in patients undergoing surgery for mesial temporal sclerosis. <i>Neurosurgical Focus</i> , 2012, 32, E3.	2.3	11
44	Occupational Electromagnetic Fields exposure in Magnetic Resonance Imaging systems – Preliminary results for the RF harmonic content. <i>Physica Medica</i> , 2015, 31, 757-762.	0.7	11
45	Myocardial Perfusion SPECT Imaging in Patients after Percutaneous Coronary Intervention. <i>Current Cardiology Reviews</i> , 2010, 6, 98-103.	1.5	10
46	Brain lesion classification using 3T MRS spectra and paired SVM kernels. <i>Biomedical Signal Processing and Control</i> , 2011, 6, 314-320.	5.7	10
47	Fast spectroscopic multiple analysis (FASMA) for brain tumor classification: a clinical decision support system utilizing multi-parametric 3T MR data. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015, 10, 1149-1166.	2.8	10
48	Exploiting morphology and texture of 3D tumor models in DTI for differentiating glioblastoma multiforme from solitary metastasis. <i>Biomedical Signal Processing and Control</i> , 2018, 43, 159-173.	5.7	9
49	PCaGuard: A Software Platform to Support Optimal Management of Prostate Cancer. <i>Applied Clinical Informatics</i> , 2022, 13, 091-099.	1.7	8
50	A free software for the evaluation and comparison of dose response models in clinical radiotherapy (DORES). <i>International Journal of Radiation Biology</i> , 2009, 85, 227-237.	1.8	7
51	On the use of published radiobiological parameters and the evaluation of NTCP models regarding lung pneumonitis in clinical breast radiotherapy. <i>Australasian Physical and Engineering Sciences in Medicine</i> , 2011, 34, 69-81.	1.3	7
52	A review of PET normalization. <i>Nuclear Medicine Communications</i> , 2013, 34, 1033-1045.	1.1	7
53	Impact of renin-angiotensin-aldosterone system polymorphisms on myocardial perfusion: Correlations with myocardial single photon emission computed tomography-derived parameters. <i>Journal of Nuclear Cardiology</i> , 2019, 26, 1298-1308.	2.1	7
54	Neuroimaging methods in Epilepsy of Temporal Origin. <i>Current Medical Imaging</i> , 2018, 15, 39-51.	0.8	7

#	ARTICLE	IF	CITATIONS
55	Incremental prognostic value of ^{99m} Tc-tetrofosmin myocardial SPECT after percutaneous coronary intervention. <i>Annals of Nuclear Medicine</i> , 2008, 22, 899-909.	2.2	6
56	Evaluation of brain perfusion in specific Brodmann areas in Frontotemporal dementia and Alzheimer disease using automated 3-D voxel based analysis. <i>Journal of Instrumentation</i> , 2009, 4, P05020-P05020.	1.2	6
57	Experimental and simulation studies for the optimization of dedicated scintimammography cameras. <i>Journal of Instrumentation</i> , 2012, 7, P01011-P01011.	1.2	6
58	Contrast-enhanced and unenhanced diffusion-weighted imaging of the breast at 3 T. <i>Clinical Radiology</i> , 2018, 73, 928-935.	1.1	6
59	EXTREMELY LOW FREQUENCY ELECTROMAGNETIC FIELD EXPOSURE MEASUREMENT IN THE VICINITY OF WIND TURBINES. <i>Radiation Protection Dosimetry</i> , 2020, 189, 395-400.	0.8	6
60	A facile approach to prepare silica hybrid, spin-crossover water-soluble nanoparticles as potential candidates for thermally responsive MRI agents. <i>Dalton Transactions</i> , 2021, 50, 13227-13231.	3.3	6
61	Neurotransmitter receptor densities are associated with changes in regional Cerebral blood flow during clinical ongoing pain. <i>Human Brain Mapping</i> , 0, , .	3.6	6
62	Evaluation of the Performance of ¹⁸ F-Fluorothymidine Positron Emission Tomography/Computed Tomography (¹⁸ F-FLT-PET/CT) in Metastatic Brain Lesions. <i>Diagnostics</i> , 2019, 9, 17.	2.6	5
63	Low-dose radiation cancer risk hypothesis may lead to "radiophobia"-driven imaging avoidance?. <i>Journal of Nuclear Cardiology</i> , 2020, 27, 1050.	2.1	5
64	Pet tracers for vulnerable plaque imaging. <i>Annals of Nuclear Medicine</i> , 2020, 34, 305-313.	2.2	5
65	Multimodality-multiparametric brain tumors evaluation. <i>Hellenic Journal of Nuclear Medicine</i> , 2017, 20, 57-61.	0.3	5
66	Evaluation of fat saturation and contrast enhancement on T1-weighted FLAIR sequence of the spine at 3.0 T. <i>Clinical Imaging</i> , 2014, 38, 428-433.	1.5	4
67	Differences of apathy perfusion correlates between Alzheimer's disease and frontotemporal dementia. A ^{99m} Tc-HMPAO SPECT study with automated Brodmann areas analysis. <i>International Journal of Psychiatry in Clinical Practice</i> , 2022, 26, 14-22.	2.4	4
68	In the era of FDG PET, is it time for brain perfusion SPECT to gain a place in Alzheimer's disease imaging biomarkers?. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021, 48, 969-971.	6.4	4
69	COVID-19 crisis: will online learning have negative consequences to our students?. <i>Cardiology in the Young</i> , 2021, 31, 511-511.	0.8	4
70	Heart-rate recovery as a clinical marker of cardiovascular autonomic dysfunction in diabetic patients. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009, 36, 320-321.	6.4	3
71	Incremental prognostic value of ^{99m} Tc-tetrofosmin early poststress pulmonary uptake. Determination of the optimal cut-off value. <i>Nuclear Medicine Communications</i> , 2012, 33, 470-475.	1.1	3
72	Reproducibility of apparent diffusion coefficient measurements evaluated with different workstations. <i>Clinical Radiology</i> , 2018, 73, 141-148.	1.1	3

#	ARTICLE	IF	CITATIONS
73	Clinical Significance of Tetrofosm in Extracardiac Uptake During Myocardial Perfusion Imaging. , 0, , .		3
74	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
75	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
76	Response to "Application value of 3T ¹ H-magnetic resonance spectroscopy in diagnosing breast tumors". Acta Radiologica, 2014, 55, 418-419.	1.1	2
77	Prospective PET image quality gain calculation method by optimizing detector parameters. Nuclear Medicine Communications, 2015, 36, 1253-1263.	1.1	2
78	FLT PET/CT in a Case of Demyelinating Disease. Clinical Nuclear Medicine, 2016, 41, e342-e345.	1.3	2
79	Eating Disorders in Frontotemporal Dementia and Alzheimer'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
80	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
81	Darwinian molecular imaging in nuclear cardiology. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 829-830.	6.4	1
82	Serotonin and Neuron-specific Enolase. Neurosurgery Quarterly, 2010, 20, 297-303.	0.1	1
83	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
84	Long-term prognostic value of diastolic exercise echocardiography. International Journal of Cardiology, 2013, 169, e14-e16.	1.7	1
85	Decision support systems in breast cancer. , 2020, , 319-327.		1
86	Novel approaches for the management of coronary artery disease. Herz, 2021, 46, 89-90.	1.1	1
87	OUP accepted manuscript. European Journal of Cardio-thoracic Surgery, 2021, , .	1.4	1
88	Geometrical pre-planning for conformal radiotherapy. Acta Oncologica, 2007, 46, 918-927.	1.8	0
89	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
90	Reply to: The usefulness of diffusion-tensor imaging for the differential diagnosis of breast lesions. Acta Radiologica, 2015, 56, NP45-NP45.	1.1	0

#	ARTICLE	IF	CITATIONS
91	Local curvature analysis for differentiating Glioblastoma multiforme from solitary metastasis. , 2016, , .		0
92	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
93	Letter to the Editor. Acta Radiologica, 2021, 62, 585-585.	1.1	0
94	Incorporating diffusion-weighted imaging in a diagnostic algorithm for multiparametric MR mammography. Acta Radiologica, 2021, , 028418512110418.	1.1	0
95	Internal Radionuclide Dosimetry using Quantitative 3-D Nuclear Medical Imaging. , 2009, , 213-228.		0
96	Diffusion Imaging: Basic Principles. , 2016, , 73-100.		0
97	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
98	Anosognosia in Dementia: Evaluation of Perfusion Correlates Using 99mTc-HMPAO SPECT and Automated Brodmann Areas Analysis. Diagnostics, 2022, 12, 1136.	2.6	0