

Manuel Desco

List of Publications by Year in descending order

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Version: 2024-02-01

343
papers

9,220
citations

38742

50
h-index

71685

76
g-index

373
all docs

373
docs citations

373
times ranked

12843
citing authors

#	ARTICLE	IF	CITATIONS
1	Pregnancy leads to long-lasting changes in human brain structure. <i>Nature Neuroscience</i> , 2017, 20, 287-296.	14.8	456
2	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. <i>Science</i> , 2020, 368, 1371-1376.	12.6	286
3	Spatio-temporal nonrigid registration for ultrasound cardiac motion estimation. <i>IEEE Transactions on Medical Imaging</i> , 2005, 24, 1113-1126.	8.9	243
4	The expression of GLP-1 receptor mRNA and protein allows the effect of GLP-1 on glucose metabolism in the human hypothalamus and brainstem. <i>Journal of Neurochemistry</i> , 2005, 92, 798-806.	3.9	241
5	Regional diastolic function in ischaemic heart disease using pulsed wave Doppler tissue imaging. <i>European Heart Journal</i> , 1999, 20, 496-505.	2.2	168
6	¹⁸ F-FDG positron emission tomography staging and restaging in rectal cancer treated with preoperative chemoradiation. <i>International Journal of Radiation Oncology Biology Physics</i> , 2004, 58, 528-535.	0.8	168
7	White matter microstructure correlates of mathematical giftedness and intelligence quotient. <i>Human Brain Mapping</i> , 2014, 35, 2619-2631.	3.6	144
8	Progressive Brain Changes in Children and Adolescents With First-Episode Psychosis. <i>Archives of General Psychiatry</i> , 2012, 69, 16.	12.3	135
9	Incidence and risk factors for ventilator-associated pneumonia after major heart surgery. <i>Intensive Care Medicine</i> , 2009, 35, 1518-1525.	8.2	129
10	Influence of the normalization template on the outcome of statistical parametric mapping of PET scans. <i>NeuroImage</i> , 2003, 19, 601-612.	4.2	125
11	Postsurgical Mediastinitis: A Case-Control Study. <i>Clinical Infectious Diseases</i> , 1997, 25, 1060-1064.	5.8	120
12	Risk Factors of Invasive Aspergillosis after Heart Transplantation: Protective Role of Oral Itraconazole Prophylaxis. <i>American Journal of Transplantation</i> , 2004, 4, 636-643.	4.7	110
13	The Human Cerebral Cortex Flattens during Adolescence. <i>Journal of Neuroscience</i> , 2013, 33, 15004-15010.	3.6	108
14	Increase in gray matter and decrease in white matter volumes in the cortex during treatment with atypical neuroleptics in schizophrenia. <i>Schizophrenia Research</i> , 2005, 80, 61-71.	2.0	99
15	FIRST: Fast Iterative Reconstruction Software for (PET) tomography. <i>Physics in Medicine and Biology</i> , 2006, 51, 4547-4565.	3.0	86
16	The child and adolescent first-episode psychosis study (CAFEPS): Design and baseline results. <i>Schizophrenia Research</i> , 2007, 91, 226-237.	2.0	85
17	Augmented Acquisition of Cocaine Self-Administration and Altered Brain Glucose Metabolism in Adult Female but not Male Rats Exposed to a Cannabinoid Agonist during Adolescence. <i>Neuropsychopharmacology</i> , 2008, 33, 806-813.	5.4	82
18	Applications of Light-Sheet Microscopy in Microdevices. <i>Frontiers in Neuroanatomy</i> , 2019, 13, 1.	1.7	81

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19	Regional Gray Matter Volume Deficits in Adolescents With First-Episode Psychosis. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2008, 47, 1311-1320.	0.5	77
20	Longitudinal Brain Changes in Early-Onset Psychosis. <i>Schizophrenia Bulletin</i> , 2007, 34, 341-353.	4.3	76
21	PeneloPET, a Monte Carlo PET simulation tool based on PENELOPE: features and validation. <i>Physics in Medicine and Biology</i> , 2009, 54, 1723-1742.	3.0	76
22	The Chemokine Receptor CXCR4 and the Metalloproteinase MT1-MMP Are Mutually Required during Melanoma Metastasis to Lungs. <i>American Journal of Pathology</i> , 2009, 174, 602-612.	3.8	74
23	The miR-25-93-106b cluster regulates tumor metastasis and immune evasion via modulation of CXCL12 and PD-L1. <i>Oncotarget</i> , 2017, 8, 21609-21625.	1.8	72
24	Anatomical and functional brain variables associated with clozapine response in treatment-resistant schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2003, 124, 153-161.	1.8	70
25	Automatic identification of <i>Mycobacterium tuberculosis</i> by Gaussian mixture models. <i>Journal of Microscopy</i> , 2006, 223, 120-132.	1.8	70
26	Diez años de investigación traslacional colaborativa en enfermedades mentales: el CIBERSAM. <i>Revista De Psiquiatría Y Salud Mental</i> , 2019, 12, 1-8.	1.8	68
27	K-Ras ^{v14I} recapitulates Noonan syndrome in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 16395-16400.	7.1	67
28	Biomedical Applications of Tissue Clearing and Three-Dimensional Imaging in Health and Disease. <i>IScience</i> , 2020, 23, 101432.	4.1	67
29	Cerebral Blood Flow is an Earlier Indicator of Perfusion Abnormalities than Cerebral Blood Volume in Alzheimer's Disease. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2014, 34, 654-659.	4.3	66
30	Method for bias field correction of brain T1-weighted magnetic resonance images minimizing segmentation error. <i>Human Brain Mapping</i> , 2004, 22, 133-144.	3.6	65
31	Cerebral metabolic changes induced by clozapine in schizophrenia and related to clinical improvement. <i>Psychopharmacology</i> , 2005, 178, 17-26.	3.1	65
32	Mathematically gifted adolescents use more extensive and more bilateral areas of the fronto-parietal network than controls during executive functioning and fluid reasoning tasks. <i>NeuroImage</i> , 2011, 57, 281-292.	4.2	65
33	Cortical morphology of adolescents with bipolar disorder and with schizophrenia. <i>Schizophrenia Research</i> , 2014, 158, 91-99.	2.0	65
34	The novel DNA methylation inhibitor zebularine is effective against the development of murine T-cell lymphoma. <i>Blood</i> , 2006, 107, 1174-1177.	1.4	64
35	Immunological and serological markers predictive of progression to AIDS in a cohort of HIV-infected drug users. <i>Aids</i> , 1990, 4, 987-994.	2.2	63
36	Individual differences in the dominance of interhemispheric connections predict cognitive ability beyond sex and brain size. <i>NeuroImage</i> , 2017, 155, 234-244.	4.2	62

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37	Constitutive activation of B-Raf in the mouse germ line provides a model for human cardio-facio-cutaneous syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 5015-5020.	7.1	61
38	Using a maternal immune stimulation model of schizophrenia to study behavioral and neurobiological alterations over the developmental course. <i>Schizophrenia Research</i> , 2015, 166, 238-247.	2.0	61
39	Pregnancy and adolescence entail similar neuroanatomical adaptations: A comparative analysis of cerebral morphometric changes. <i>Human Brain Mapping</i> , 2019, 40, 2143-2152.	3.6	60
40	N-acetyl-aspartate levels in the dorsolateral prefrontal cortex in the early years of schizophrenia are inversely related to disease duration. <i>Schizophrenia Research</i> , 2005, 73, 209-219.	2.0	58
41	Age at First Episode Modulates Diagnosis-Related Structural Brain Abnormalities in Psychosis. <i>Schizophrenia Bulletin</i> , 2016, 42, 344-357.	4.3	58
42	Fluorescence diffuse optical tomography using the split Bregman method. <i>Medical Physics</i> , 2011, 38, 6275-6284.	3.0	57
43	Dorsolateral prefrontal <i>N</i> -acetyl-aspartate concentration in male patients with chronic schizophrenia and with chronic bipolar disorder. <i>European Psychiatry</i> , 2007, 22, 505-512.	0.2	56
44	Performance evaluation of SiPM photodetectors for PET imaging in the presence of magnetic fields. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2010, 613, 308-316.	1.6	56
45	An Innovative Tool for Intraoperative Electron Beam Radiotherapy Simulation and Planning: Description and Initial Evaluation by Radiation Oncologists. <i>International Journal of Radiation Oncology Biology Physics</i> , 2012, 83, e287-e295.	0.8	56
46	Positron range estimations with PeneloPET. <i>Physics in Medicine and Biology</i> , 2013, 58, 5127-5152.	3.0	56
47	Added value of advanced over conventional magnetic resonance imaging in grading gliomas and other primary brain tumors. <i>Cancer Imaging</i> , 2014, 14, 35.	2.8	55
48	Linezolid therapy for infective endocarditis. <i>Clinical Microbiology and Infection</i> , 2007, 13, 211-215.	6.0	54
49	Gray matter deficits in bipolar disorder are associated with genetic variability at interleukin-1 beta gene (2q13). <i>Genes, Brain and Behavior</i> , 2008, 7, 796-801.	2.2	54
50	A novel R-package graphic user interface for the analysis of metabonomic profiles. <i>BMC Bioinformatics</i> , 2009, 10, 363.	2.6	54
51	Cerebral metabolic patterns in chronic and recent-onset schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2003, 122, 125-135.	1.8	53
52	Total Variation Regularization With Split Bregman-Based Method in Magnetic Induction Tomography Using Experimental Data. <i>IEEE Sensors Journal</i> , 2017, 17, 976-985.	4.7	52
53	Vascular smooth muscle cell-specific progerin expression in a mouse model of Hutchinson-Gilford progeria syndrome promotes arterial stiffness: Therapeutic effect of dietary nitrite. <i>Aging Cell</i> , 2019, 18, e12936.	6.7	51
54	Cardiac motion analysis from ultrasound sequences using nonrigid registration: Validation against Doppler tissue velocity. <i>Ultrasound in Medicine and Biology</i> , 2006, 32, 483-490.	1.5	50

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55	Brain morphology and neurological soft signs in adolescents with first-episode psychosis. <i>British Journal of Psychiatry</i> , 2009, 195, 227-233.	2.8	50
56	Decreased glutathione levels predict loss of brain volume in children and adolescents with first-episode psychosis in a two-year longitudinal study. <i>Schizophrenia Research</i> , 2012, 137, 58-65.	2.0	50
57	Becoming a mother entails anatomical changes in the ventral striatum of the human brain that facilitate its responsiveness to offspring cues. <i>Psychoneuroendocrinology</i> , 2020, 112, 104507.	2.7	50
58	Design and performance evaluation of a coplanar multimodality scanner for rodent imaging. <i>Physics in Medicine and Biology</i> , 2009, 54, 5427-5441.	3.0	49
59	Functionalization and Characterization of Magnetic Nanoparticles for the Detection of Ferritin Accumulation in Alzheimer's Disease. <i>ACS Chemical Neuroscience</i> , 2018, 9, 912-924.	3.5	49
60	Assessment of a New High-Performance Small-Animal X-Ray Tomograph. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 898-905.	2.0	48
61	Progression of Brain Volume Changes in Adolescent-Onset Psychosis. <i>Schizophrenia Bulletin</i> , 2009, 35, 233-243.	4.3	48
62	Assessment of the increase in variability when combining volumetric data from different scanners. <i>Human Brain Mapping</i> , 2009, 30, 355-368.	3.6	48
63	Deep brain stimulation improves behavior and modulates neural circuits in a rodent model of schizophrenia. <i>Experimental Neurology</i> , 2016, 283, 142-150.	4.1	48
64	Ventricular enlargement in schizophrenia is associated with a genetic polymorphism at the interleukin-1 receptor antagonist gene. <i>NeuroImage</i> , 2005, 27, 1002-1006.	4.2	46
65	Targeted Antifungal Prophylaxis in Heart Transplant Recipients. <i>Transplantation</i> , 2013, 96, 664-669.	1.0	46
66	Gyral and Sulcal Cortical Thinning in Adolescents with First Episode Early-Onset Psychosis. <i>Biological Psychiatry</i> , 2009, 66, 1047-1054.	1.3	45
67	A European perspective on intravascular catheter-related infections: report on the microbiology workload, aetiology and antimicrobial susceptibility (ESGNI-005 Study). <i>Clinical Microbiology and Infection</i> , 2004, 10, 838-842.	6.0	44
68	Sensation-to-cognition cortical streams in attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2015, 36, 2544-2557.	3.6	44
69	Multiresolution analysis in fMRI: Sensitivity and specificity in the detection of brain activation. <i>Human Brain Mapping</i> , 2001, 14, 16-27.	3.6	43
70	Differences in response to food stimuli in a rat model of obesity: in-vivo assessment of brain glucose metabolism. <i>International Journal of Obesity</i> , 2008, 32, 1171-1179.	3.4	42
71	Cerebral metabolism and risperidone treatment in schizophrenia. <i>Schizophrenia Research</i> , 2003, 60, 1-7.	2.0	41
72	Comparative evaluation of autofocus algorithms for a real-time system for automatic detection of <i>Mycobacterium tuberculosis</i> . <i>Cytometry Part A: the Journal of the International Society for Analytical Cytology</i> , 2012, 81A, 213-221.	1.5	41

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73	Radioactive Labeling of Milk-Derived Exosomes with ^{99m} Tc and In Vivo Tracking by SPECT Imaging. <i>Nanomaterials</i> , 2020, 10, 1062.	4.1	41
74	P300 amplitude as a possible correlate of frontal degeneration in schizophrenia. <i>Schizophrenia Research</i> , 2001, 49, 121-128.	2.0	40
75	The application of nanoparticles in gene therapy and magnetic resonance imaging. <i>Microscopy Research and Technique</i> , 2011, 74, 577-591.	2.2	40
76	Accuracy of CT-based attenuation correction in PET/CT bone imaging. <i>Physics in Medicine and Biology</i> , 2012, 57, 2477-2490.	3.0	40
77	Minimum-norm reconstruction for sensitivity-encoded magnetic resonance spectroscopic imaging. <i>Magnetic Resonance in Medicine</i> , 2006, 55, 287-295.	3.0	38
78	¹ H MR Spectroscopy in the Assessment of Gliomatosis Cerebri. <i>American Journal of Roentgenology</i> , 2007, 188, 710-714.	2.2	38
79	Split operator method for fluorescence diffuse optical tomography using anisotropic diffusion regularisation with prior anatomical information. <i>Biomedical Optics Express</i> , 2011, 2, 2632.	2.9	38
80	Structural Neuroimaging in Adolescents With a First Psychotic Episode. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2005, 44, 1151-1157.	0.5	37
81	Software architecture for multi-bed FDK-based reconstruction in X-ray CT scanners. <i>Computer Methods and Programs in Biomedicine</i> , 2012, 107, 218-232.	4.7	37
82	Reduced Gyrfication Is Related to Reduced Interhemispheric Connectivity in Autism Spectrum Disorders. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2015, 54, 668-676.	0.5	37
83	Predictors of schizophrenia spectrum disorders in early-onset first episodes of psychosis: a support vector machine model. <i>European Child and Adolescent Psychiatry</i> , 2015, 24, 427-440.	4.7	37
84	PET, CT, and MR image registration of the rat brain and skull. <i>IEEE Transactions on Nuclear Science</i> , 2001, 48, 1440-1445.	2.0	36
85	Monitoring vascular normalization induced by antiangiogenic treatment with ¹⁸ F-fluoromisonidazole- ¹⁸ F PET. <i>Molecular Oncology</i> , 2016, 10, 704-718.	4.6	36
86	Early neuromodulation prevents the development of brain and behavioral abnormalities in a rodent model of schizophrenia. <i>Molecular Psychiatry</i> , 2018, 23, 943-951.	7.9	36
87	Do Pregnancy-Induced Brain Changes Reverse? The Brain of a Mother Six Years after Parturition. <i>Brain Sciences</i> , 2021, 11, 168.	2.3	36
88	Optimized CUBIC protocol for 3D imaging of chicken embryos at single-cell resolution. <i>Development (Cambridge)</i> , 2017, 144, 2092-2097.	2.5	35
89	Local functional connectivity suggests functional immaturity in children with attention-deficit/hyperactivity disorder. <i>Human Brain Mapping</i> , 2018, 39, 2442-2454.	3.6	35
90	Anatomical and functional cerebral variables associated with basal symptoms but not risperidone response in minimally treated schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2003, 124, 163-175.	1.8	34

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91	Hypofrontality in men with first-episode psychosis. <i>British Journal of Psychiatry</i> , 2005, 186, 203-208.	2.8	34
92	Unsupervised estimation of myocardial displacement from tagged MR sequences using nonrigid registration. <i>Magnetic Resonance in Medicine</i> , 2008, 59, 181-189.	3.0	34
93	3D imaging in CUBIC-cleared mouse heart tissue: going deeper. <i>Biomedical Optics Express</i> , 2016, 7, 3716.	2.9	33
94	Sensory-to-Cognitive Systems Integration Is Associated With Clinical Severity in Autism Spectrum Disorder. <i>Journal of the American Academy of Child and Adolescent Psychiatry</i> , 2020, 59, 422-433.	0.5	33
95	A New Method for the Rapid Synthesis of Water Stable Superparamagnetic Nanoparticles. <i>Chemistry - A European Journal</i> , 2008, 14, 9126-9130.	3.3	32
96	Feasibility of U-curve method to select the regularization parameter for fluorescence diffuse optical tomography in phantom and small animal studies. <i>Optics Express</i> , 2011, 19, 11490.	3.4	32
97	Influence of resting energy expenditure on weight gain in adolescents taking second-generation antipsychotics. <i>Clinical Nutrition</i> , 2011, 30, 616-623.	5.0	32
98	Tracking of regions-of-interest in myocardial contrast echocardiography. <i>Ultrasound in Medicine and Biology</i> , 2004, 30, 303-309.	1.5	31
99	NEMA NU 4-2008 Performance Measurements of Two Commercial Small-Animal PET Scanners: ClearPET and rPET-1. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 58-65.	2.0	31
100	Reproducibility of brain-cognition relationships using three cortical surface-based protocols: An exhaustive analysis based on cortical thickness. <i>Human Brain Mapping</i> , 2015, 36, 3227-3245.	3.6	31
101	Meningiomas: A Comparative Study of ⁶⁸ Ga-DOTATOC, ⁶⁸ Ga-DOTANOC and ⁶⁸ Ga-DOTATATE for Molecular Imaging in Mice. <i>PLoS ONE</i> , 2014, 9, e111624.	2.5	31
102	Waking-like Brain Function in Embryos. <i>Current Biology</i> , 2012, 22, 852-861.	3.9	30
103	Feasibility of integrating a multi-camera optical tracking system in intra-operative electron radiation therapy scenarios. <i>Physics in Medicine and Biology</i> , 2013, 58, 8769-8782.	3.0	30
104	Response to Deep Brain Stimulation in the Lateral Hypothalamic Area in a Rat Model of Obesity: In Vivo Assessment of Brain Glucose Metabolism. <i>Molecular Imaging and Biology</i> , 2014, 16, 830-837.	2.6	30
105	Differential clinical, structural and P300 parameters in schizophrenia patients resistant to conventional neuroleptics. <i>Progress in Neuro-Psychopharmacology and Biological Psychiatry</i> , 2008, 32, 257-266.	4.8	29
106	Automated Method for Small-Animal PET Image Registration with Intrinsic Validation. <i>Molecular Imaging and Biology</i> , 2009, 11, 107-113.	2.6	29
107	GPU-Based Fast Iterative Reconstruction of Fully 3-D PET Sinograms. <i>IEEE Transactions on Nuclear Science</i> , 2011, 58, 2257-2263.	2.0	29
108	Insular pathology in young people with high-functioning autism and first-episode psychosis. <i>Psychological Medicine</i> , 2017, 47, 2472-2482.	4.5	29

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109	Unsupervised CT Lung Image Segmentation of a Mycobacterium Tuberculosis Infection Model. Scientific Reports, 2018, 8, 9802.	3.3	29
110	Chemoenzymatic radiosynthesis of 2-deoxy-2-[18F]fluoro-d-trehalose ([18F]-2-FDTre): A PET radioprobe for in vivo tracing of trehalose metabolism. Carbohydrate Research, 2019, 472, 16-22.	2.3	29
111	<title>Multimodality image quantification using the Talairach grid</title>. , 2001, , .		28
112	Multicenter Study of Brain Volume Abnormalities in Children and Adolescent-Onset Psychosis. Schizophrenia Bulletin, 2011, 37, 1270-1280.	4.3	28
113	Comparison of different methods of spatial normalization of FDG-PET brain images in the voxel-wise analysis of MCI patients and controls. Annals of Nuclear Medicine, 2013, 27, 600-609.	2.2	28
114	Application of the compressed sensing technique to self-gated cardiac cine sequences in small animals. Magnetic Resonance in Medicine, 2014, 72, 369-380.	3.0	28
115	MouBeAT: A New and Open Toolbox for Guided Analysis of Behavioral Tests in Mice. Frontiers in Behavioral Neuroscience, 2018, 12, 201.	2.0	28
116	Findings of proton magnetic resonance spectrometry in the dorsolateral prefrontal cortex in adolescents with first episodes of psychosis. Psychiatry Research - Neuroimaging, 2007, 156, 33-42.	1.8	27
117	Use of Split Bregman denoising for iterative reconstruction in fluorescence diffuse optical tomography. Journal of Biomedical Optics, 2013, 18, 076016.	2.6	27
118	Tissue-Dependent and Spatially-Variant Positron Range Correction in 3D PET. IEEE Transactions on Medical Imaging, 2015, 34, 2394-2403.	8.9	27
119	Risperidone administered during adolescence induced metabolic, anatomical and inflammatory/oxidative changes in adult brain: A PET and MRI study in the maternal immune stimulation animal model. European Neuropsychopharmacology, 2019, 29, 880-896.	0.7	27
120	Dopamine D4 receptors modulate brain metabolic activity in the prefrontal cortex and cerebellum at rest and in response to methylphenidate. European Journal of Neuroscience, 2010, 32, 668-676.	2.6	26
121	Behavioral, neurochemical and morphological changes induced by the overexpression of munc18-1a in brain of mice: relevance to schizophrenia. Translational Psychiatry, 2013, 3, e221-e221.	4.8	26
122	Intramyocardial analysis of regional systolic and diastolic function in ischemic heart disease with Doppler tissue imaging: Role of the different myocardial layers. Journal of the American Society of Echocardiography, 2002, 15, 99-108.	2.8	25
123	Goat Milk Exosomes As Natural Nanoparticles for Detecting Inflammatory Processes By Optical Imaging. Small, 2022, 18, e2105421.	10.0	25
124	rPET Detectors Design and Data Processing. , 0, , .		24
125	A novel approach to investigate neuronal network activity patterns affected by deep brain stimulation in rats. Journal of Psychiatric Research, 2011, 45, 927-930.	3.1	23
126	Regional specificity of thalamic volume deficits in male adolescents with early-onset psychosis. British Journal of Psychiatry, 2012, 200, 30-36.	2.8	23

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127	Quality assurance in radiation therapy: Systematic evaluation of errors during the treatment execution. <i>Radiotherapy and Oncology</i> , 1987, 8, 253-261.	0.6	22
128	Detection of Visual Activation in the Rat Brain Using 2-deoxy-2-[18F]fluoro-d-glucose and Statistical Parametric Mapping (SPM). <i>Molecular Imaging and Biology</i> , 2009, 11, 94-99.	2.6	22
129	Neurogenesis: Regulation by Alternative Splicing and Related Posttranscriptional Processes. <i>Neuroscientist</i> , 2017, 23, 466-477.	3.5	22
130	Association between relative temporal and prefrontal sulcal cerebrospinal fluid and illness duration in schizophrenia. <i>Schizophrenia Research</i> , 2002, 58, 305-312.	2.0	21
131	Olanzapine-induced cerebral metabolic changes related to symptom improvement in schizophrenia. <i>International Clinical Psychopharmacology</i> , 2005, 20, 13-18.	1.7	21
132	Real-Time Digital Timing in Positron Emission Tomography. <i>IEEE Transactions on Nuclear Science</i> , 2008, 55, 2531-2540.	2.0	21
133	Looking inside the heart: a see-through view of the vascular tree. <i>Biomedical Optics Express</i> , 2017, 8, 3110.	2.9	21
134	Effects of MDMA on blood glucose levels and brain glucose metabolism. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 916-925.	6.4	20
135	Live Imaging of Mouse Endogenous Neural Progenitors Migrating in Response to an Induced Tumor. <i>PLoS ONE</i> , 2012, 7, e44466.	2.5	20
136	Surfing the optimization space of a multiple-GPU parallel implementation of a X-ray tomography reconstruction algorithm. <i>Journal of Systems and Software</i> , 2014, 95, 166-175.	4.5	20
137	Improving PET Quantification of Small Animal [68Ga]DOTA-Labeled PET/CT Studies by Using a CT-Based Positron Range Correction. <i>Molecular Imaging and Biology</i> , 2018, 20, 584-593.	2.6	20
138	Clinical-epidemiological characteristics and outcome of patients with catheter-related bloodstream infections in Europe (ESGNI-006 Study). <i>Clinical Microbiology and Infection</i> , 2004, 10, 843-845.	6.0	19
139	Diastolic chamber properties of the left ventricle assessed by global fitting of pressure-volume data: improving the gold standard of diastolic function. <i>Journal of Applied Physiology</i> , 2013, 115, 556-568.	2.5	19
140	Assessment of intraoperative 3D imaging alternatives for IOERT dose estimation. <i>Zeitschrift Fur Medizinische Physik</i> , 2017, 27, 218-231.	1.5	19
141	Assessment of normal and ischaemic myocardium by quantitative m-mode tissue doppler imaging. <i>Ultrasound in Medicine and Biology</i> , 2002, 28, 561-569.	1.5	18
142	New embedded digital front-end for high resolution PET scanner. <i>IEEE Transactions on Nuclear Science</i> , 2006, 53, 770-775.	2.0	18
143	Study of CT-based positron range correction in high resolution 3D PET imaging. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 2011, 648, S172-S175.	1.6	18
144	Effects of chronic dietary exposure to monosodium glutamate on feeding behavior, adiposity, gastrointestinal motility, and cardiovascular function in healthy adult rats. <i>Neurogastroenterology and Motility</i> , 2015, 27, 1559-1570.	3.0	18

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145	Characterizing the Brain Structural Adaptations Across the Motherhood Transition. <i>Frontiers in Global Women S Health</i> , 2021, 2, 742775.	2.3	18
146	Paradoxical Effects of Temperature on Vascular Tone. <i>Cryobiology</i> , 2000, 41, 43-50.	0.7	17
147	Impact of ventricular enlargement on the measurement of metabolic activity in spatially normalized PET. <i>NeuroImage</i> , 2007, 35, 748-758.	4.2	17
148	Positron range effects in high resolution 3D PET imaging. , 2009, , .		17
149	Differential Patterns of Subcortical Activity Evoked by Glial GLT-1 Blockade in Prelimbic and Infralimbic Cortex: Relationship to Antidepressant-Like Effects in Rats. <i>International Journal of Neuropsychopharmacology</i> , 2017, 20, 988-993.	2.1	17
150	New Techniques for the Assessment of Regional Left Ventricular Wall Motion. <i>Echocardiography</i> , 2003, 20, 659-672.	0.9	16
151	3D liver segmentation in preoperative CT images using a levelsets active surface method. , 2009, 2009, 3625-8.		16
152	Cortical morphometry in frontoparietal and default mode networks in mathê€gifted adolescents. <i>Human Brain Mapping</i> , 2016, 37, 1893-1902.	3.6	16
153	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. <i>ChemPhotoChem</i> , 2019, 3, 529-539.	3.0	16
154	Comparison of Total Variation with a Motion Estimation Based Compressed Sensing Approach for Self-Gated Cardiac Cine MRI in Small Animal Studies. <i>PLoS ONE</i> , 2014, 9, e110594.	2.5	16
155	<title>Automatic sputum color image segmentation for tuberculosis diagnosis</title>. , 2001, , .		15
156	Changes in Cortical Volume with Olanzapine in Chronic Schizophrenia. <i>Pharmacopsychiatry</i> , 2007, 40, 135-139.	3.3	15
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