Manuel Desco

List of Publications by Year
in descending order

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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	Goat Milk Exosomes As Natural Nanoparticles for Detecting Inflammatory Processes By Optical Imaging. Small, 2022, 18, e2105421.	10.0	25
2	Feto-maternal microchimerism: Memories from pregnancy. IScience, 2022, 25, 103664.	4.1	11
3	An Update on the Exploratory Use of Curcumin in Neuropsychiatric Disorders. Antioxidants, 2022, 11, 353.	5.1	14
4	A Novel Bayesian Linear Regression Model for the Analysis of Neuroimaging Data. Applied Sciences (Switzerland), 2022, 12, 2571.	2.5	2
5	Simple beam-hardening correction method (2DCalBH) based on 2D linearization. Physics in Medicine and Biology, 2022, , .	3.0	0
6	Neuroimaging reveals distinct brain glucose metabolism patterns associated with morphine consumption in Lewis and Fischer 344 rat strains. Scientific Reports, 2022, 12, 4643.	3.3	4
7	In vivo Positron Emission Tomography to Reveal Activity Patterns Induced by Deep Brain Stimulation in Rats. Journal of Visualized Experiments, 2022, , .	0.3	0
8	Local Functional Connectivity as a Parsimonious Explanation of the Main Frameworks for ADHD in Medication-NaÃ¯ve Adults. Journal of Attention Disorders, 2022, 26, 1788-1801.	2.6	1
9	A 3D Analysis of Cleared Human Melanoma. Biomedicines, 2022, 10, 1580.	3.2	3
10	Optimization of a calibration phantom for quantitative radiography. Medical Physics, 2021, 48, 1039-1053.	3.0	4
11	Do Pregnancy-Induced Brain Changes Reverse? The Brain of a Mother Six Years after Parturition. Brain Sciences, 2021, 11, 168.	2.3	36
12	Super-Iterative Image Reconstruction in PET. IEEE Transactions on Computational Imaging, 2021, 7, 248-257.	4.4	4
13	Exploratory study ofÂthe long-term footprint of deep brain stimulation on brain metabolism and neuroplasticity in an animal model of obesity. Scientific Reports, 2021, 11, 5580.	3.3	5
14	Omega-3 fatty acids during adolescence prevent schizophrenia-related behavioural deficits: Neurophysiological evidences from the prenatal viral infection with PolyI:C. European Neuropsychopharmacology, 2021, 46, 14-27.	0.7	13
15	Effect of illumination level [18F]FDG-PET brain uptake in free moving mice. PLoS ONE, 2021, 16, e0251454.	2.5	0
16	A Characterization of the Effects of Minocycline Treatment During Adolescence on Structural, Metabolic, and Oxidative Stress Parameters in a Maternal Immune Stimulation Model of Neurodevelopmental Brain Disorders. International Journal of Neuropsychopharmacology, 2021, 24, 734-748.	2.1	11
17	Brillouin Spectroscopy: From Biomedical Research to New Generation Pathology Diagnosis. International Journal of Molecular Sciences, 2021, 22, 8055.	4.1	8
18	Corticospinal tract and motor cortex degeneration in pure hereditary spastic paraparesis type 4 (SPG4). Amyotrophic Lateral Sclerosis and Frontotemporal Degeneration, 2021, , 1-10.	1.7	5

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19	Tolerance to geometrical inaccuracies in CBCT systems: A comprehensive study. Medical Physics, 2021, 48, 6007-6019.	3.0	2
20	Covalently Labeled Fluorescent Exosomes for In Vitro and In Vivo Applications. Biomedicines, 2021, 9, 81.	3.2	15
21	Characterizing the Brain Structural Adaptations Across the Motherhood Transition. Frontiers in Global Women S Health, 2021, 2, 742775.	2.3	18
22	Positron Emission Tomography of the. Neuromethods, 2021, , 281-305.	0.3	0
23	Assessment of myocardial viscoelasticity with Brillouin spectroscopy in myocardial infarction and aortic stenosis models. Scientific Reports, 2021, 11, 21369.	3.3	3
24	Simplified Statistical Image Reconstruction for X-ray CT With Beam-Hardening Artifact Compensation. IEEE Transactions on Medical Imaging, 2020, 39, 111-118.	8.9	9
25	Sensory-to-Cognitive Systems Integration Is Associated With Clinical Severity in Autism Spectrum Disorder. Journal of the American Academy of Child and Adolescent Psychiatry, 2020, 59, 422-433.	0.5	33
26	Evaluation of Clostridium difficile Infection with PET/CT Imaging in a Mouse Model. Molecular Imaging and Biology, 2020, 22, 587-592.	2.6	5
27	Intraoperative computed tomography imaging for dose calculation in intraoperative electron radiation therapy: Initial clinical observations. PLoS ONE, 2020, 15, e0227155.	2.5	6
28	Becoming a mother entails anatomical changes in the ventral striatum of the human brain that facilitate its responsiveness to offspring cues. Psychoneuroendocrinology, 2020, 112, 104507.	2.7	50
29	Biomedical Applications of Tissue Clearing and Three-Dimensional Imaging in Health and Disease. IScience, 2020, 23, 101432.	4.1	67
30	Structural and Functional Brain Abnormalities in Mouse Models of Lafora Disease. International Journal of Molecular Sciences, 2020, 21, 7771.	4.1	4
31	The Paternal Transition Entails Neuroanatomic Adaptations that are Associated with the Fatherâ€™s Brain Response to his Infant Cues. Cerebral Cortex Communications, 2020, 1, tgaa082.	1.6	9
32	Single breath-hold saturation recovery 3D cardiac T1 mapping via compressed SENSE at 3T. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2020, 33, 865-876.	2.0	5
33	T cells with dysfunctional mitochondria induce multimorbidity and premature senescence. Science, 2020, 368, 1371-1376.	12.6	286
34	Radioactive Labeling of Milk-Derived Exosomes with 99mTc and In Vivo Tracking by SPECT Imaging. Nanomaterials, 2020, 10, 1062.	4.1	41
35	Accelerated iterative image reconstruction for cone-beam computed tomography through Big Data frameworks. Future Generation Computer Systems, 2020, 106, 534-544.	7.5	3
36	Real-Time 3D PET Image with Pseudoinverse Reconstruction. Applied Sciences (Switzerland), 2020, 10, 2829.	2.5	6

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37	Association of visual and quantitative heterogeneity of 18F-FDG PET images with treatment response in locally advanced rectal cancer: A feasibility study. PLoS ONE, 2020, 15, e0242597.	2.5	9
38	Effects of a Ketogenic Diet on [18F]FDG-PET Imaging in a Mouse Model of Lung Cancer. Molecular Imaging and Biology, 2019, 21, 279-285.	2.6	6
39	Stepwise functional connectivity reveals altered sensoryâ€multimodal integration in medicationâ€naÃ¯ve adults with attention deficit hyperactivity disorder. Human Brain Mapping, 2019, 40, 4645-4656.	3.6	14
40	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 503-503.	3.0	0
41	FP456COGNITIVE FUNCTION, HIPPOCAMPUS AND HYPERPARATHYROIDISM IN ADVANCED CKD. Nephrology Dialysis Transplantation, 2019, 34, .	0.7	0
42	Pregnancy and adolescence entail similar neuroanatomical adaptations: A comparative analysis of cerebral morphometric changes. Human Brain Mapping, 2019, 40, 2143-2152.	3.6	60
43	Applications of Light-Sheet Microscopy in Microdevices. Frontiers in Neuroanatomy, 2019, 13, 1.	1.7	81
44	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
45	XAP-Lab: A software tool for designing flexible X-ray acquisition protocols. Computer Methods and Programs in Biomedicine, 2019, 177, 243-252.	4.7	1
46	Magnetic Nanoplatelets for High Contrast Cardiovascular Imaging by Magnetically Modulated Optical Coherence Tomography. ChemPhotoChem, 2019, 3, 529-539.	3.0	16
47	Vascular smooth muscle cellâ€specific progerin expression in a mouse model of Hutchinsonâ€“Gilford progeria syndrome promotes arterial stiffness: Therapeutic effect of dietary nitrite. Aging Cell, 2019, 18, e12936.	6.7	51
48	CIBERSAM: Ten years of collaborative translational research in mental disorders. Revista De PsiquiatrÃa Y Salud Mental (English Edition), 2019, 12, 1-8.	0.3	5
49	Assessment of the anti-biofilm effect of micafungin in an animal model of catheter-related candidemia. Medical Mycology, 2019, 57, 496-503.	0.7	3
50	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
51	Diez aÃ±os de investigaciÃ³n traslacional colaborativa en enfermedades mentales: el CIBERSAM. Revista De PsiquiatrÃa Y Salud Mental, 2019, 12, 1-8.	1.8	68
52	Impact of optical tissue clearing on the Brillouin signal from biological tissue samples. Biomedical Optics Express, 2019, 10, 2674.	2.9	5
53	The Paracrine Neural Stem Cell Niche: New Actors in the Play. Current Stem Cell Reports, 2018, 4, 33-38.	1.6	3
54	Local functional connectivity suggests functional immaturity in children with attentionâ€deficit/hyperactivity disorder. Human Brain Mapping, 2018, 39, 2442-2454.	3.6	35

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55	Improving PET Quantification of Small Animal [68Ga]DOTA-Labeled PET/CT Studies by Using a CT-Based Positron Range Correction. Molecular Imaging and Biology, 2018, 20, 584-593.	2.6	20
56	Functionalization and Characterization of Magnetic Nanoparticles for the Detection of Ferritin Accumulation in Alzheimerâ€™s Disease. ACS Chemical Neuroscience, 2018, 9, 912-924.	3.5	49
57	Early neuromodulation prevents the development of brain and behavioral abnormalities in a rodent model of schizophrenia. Molecular Psychiatry, 2018, 23, 943-951.	7.9	36
58	Incorporation of Prior Knowledge of Signal Behavior Into the Reconstruction to Accelerate the Acquisition of Diffusion MRI Data. IEEE Transactions on Medical Imaging, 2018, 37, 547-556.	8.9	13
59	Suppression of 18F-FDG signal in the bladder on small animal PET-CT. PLoS ONE, 2018, 13, e0205610.	2.5	2
60	Surface scanning for 3D dose calculation in intraoperative electron radiation therapy. Radiation Oncology, 2018, 13, 243.	2.7	5
61	Stimulating the nucleus accumbens in obesity: A positron emission tomography study after deep brain stimulation in a rodent model. PLoS ONE, 2018, 13, e0204740.	2.5	11
62	MouBeAT: A New and Open Toolbox for Guided Analysis of Behavioral Tests in Mice. Frontiers in Behavioral Neuroscience, 2018, 12, 201.	2.0	28
63	Multicamera Optical Tracker Assessment for Computer Aided Surgery Applications. IEEE Access, 2018, 6, 64359-64370.	4.2	13
64	Enabling tomography with low-cost C-arm systems. PLoS ONE, 2018, 13, e0203817.	2.5	5
65	Understanding Deep Brain Stimulation: In Vivo Metabolic Consequences of the Electrode Insertional Effect. BioMed Research International, 2018, 2018, 1-6.	1.9	10
66	Unsupervised CT Lung Image Segmentation of a Mycobacterium Tuberculosis Infection Model. Scientific Reports, 2018, 8, 9802.	3.3	29
67	GPU-accelerated iterative reconstruction for limited-data tomography in CBCT systems. BMC Bioinformatics, 2018, 19, 171.	2.6	8
68	Deep brain stimulation electrode insertion and depression: Patterns of activity and modulation by analgesics. Brain Stimulation, 2018, 11, 1348-1355.	1.6	11
69	Total Variation Regularization With Split Bregman-Based Method in Magnetic Induction Tomography Using Experimental Data. IEEE Sensors Journal, 2017, 17, 976-985.	4.7	52
70	Optimized CUBIC protocol for 3D imaging of chicken embryos at single-cell resolution. Development (Cambridge), 2017, 144, 2092-2097.	2.5	35
71	Individual differences in the dominance of interhemispheric connections predict cognitive ability beyond sex and brain size. NeuroImage, 2017, 155, 234-244.	4.2	62
72	Insular pathology in young people with high-functioning autism and first-episode psychosis. Psychological Medicine, 2017, 47, 2472-2482.	4.5	29

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73	Subsurface Laser Engraving Techniques for Scintillator Crystals: Methods, Applications, and Advantages. IEEE Transactions on Radiation and Plasma Medical Sciences, 2017, 1, 377-384.	3.7	11
74	Pregnancy leads to long-lasting changes in human brain structure. Nature Neuroscience, 2017, 20, 287-296.	14.8	456
75	Medical Imaging Processing on a Big Data Platform Using Python: Experiences with Heterogeneous and Homogeneous Architectures. , 2017, , .		8
76	Differential Patterns of Subcortical Activity Evoked by Glial GLT-1 Blockade in Prelimbic and Infralimbic Cortex: Relationship to Antidepressant-Like Effects in Rats. International Journal of Neuropsychopharmacology, 2017, 20, 988-993.	2.1	17
77	Neurogenesis: Regulation by Alternative Splicing and Related Posttranscriptional Processes. Neuroscientist, 2017, 23, 466-477.	3.5	22
78	Assessment of intraoperative 3D imaging alternatives for IOERT dose estimation. Zeitschrift Fur Medizinische Physik, 2017, 27, 218-231.	1.5	19
79	ConoSurf: Openâ€source 3D scanning system based on a conoscopic holography device for acquiring surgical surfaces. International Journal of Medical Robotics and Computer Assisted Surgery, 2017, 13, e1788.	2.3	5
80	Looking inside the heart: a see-through view of the vascular tree. Biomedical Optics Express, 2017, 8, 3110.	2.9	21
81	FUX-Sim: Implementation of a fast universal simulation/reconstruction framework for X-ray systems. PLoS ONE, 2017, 12, e0180363.	2.5	13
82	Dronedarone produces early regression of myocardial remodelling in structural heart disease. PLoS ONE, 2017, 12, e0188442.	2.5	12
83	Technical Note: Mobile accelerator guidance using an optical tracker during docking in <scp>IOERT</scp> procedures. Medical Physics, 2017, 44, 5061-5069.	3.0	1
84	The miR-25-93-106b cluster regulates tumor metastasis and immune evasion via modulation of CXCL12 and PD-L1. Oncotarget, 2017, 8, 21609-21625.	1.8	72
85	Sparse reconstruction methods in x-ray CT. , 2017, , .		0
86	A Novel Prior- and Motion-Based Compressed Sensing Method for Small-Animal Respiratory Gated CT. PLoS ONE, 2016, 11, e0149841.	2.5	10
87	Response to Deep Brain Stimulation in Three Brain Targets with Implications in Mental Disorders: A PET Study in Rats. PLoS ONE, 2016, 11, e0168689.	2.5	8
88	3D imaging in CUBIC-cleared mouse heart tissue: going deeper. Biomedical Optics Express, 2016, 7, 3716.	2.9	33
89	Cortical morphometry in frontoparietal and default mode networks in mathâ€gifted adolescents. Human Brain Mapping, 2016, 37, 1893-1902.	3.6	16
90	The Disconnection Hypothesis inÂAlzheimerâ€™s Disease Studied Through Multimodal Magnetic Resonance Imaging: Structural, Perfusion, and Diffusion Tensor Imaging. Journal of Alzheimer's Disease, 2016, 50, 1051-1064.	2.6	15

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91	Deep brain stimulation improves behavior and modulates neural circuits in a rodent model of schizophrenia. Experimental Neurology, 2016, 283, 142-150.	4.1	48
92	Monitoring vascular normalization induced by antiangiogenic treatment with 18Fâ€fluoromisonidazoleâ€PET. Molecular Oncology, 2016, 10, 704-718.	4.6	36
93	3D imaging of the cleared intact murine colon with light sheet microscopy. , 2016, , .		0
94	Functional segmentation of dynamic PET studies: Open source implementation and validation of a leader-follower-based algorithm. Computers in Biology and Medicine, 2016, 69, 181-188.	7.0	1
95	Age at First Episode Modulates Diagnosis-Related Structural Brain Abnormalities in Psychosis. Schizophrenia Bulletin, 2016, 42, 344-357.	4.3	58
96	fMRat: an extension of SPM for a fully automatic analysis of rodent brain functional magnetic resonance series. Medical and Biological Engineering and Computing, 2016, 54, 743-752.	2.8	5
97	Automatic Cardiac Self-Gating of Small-Animal PET Data. Molecular Imaging and Biology, 2016, 18, 109-116.	2.6	5
98	Improved quantification for local regions of interest in preclinical PET imaging. Physics in Medicine and Biology, 2015, 60, 7127-7149.	3.0	9
99	Reproducibility of brain-cognition relationships using three cortical surface-based protocols: An exhaustive analysis based on cortical thickness. Human Brain Mapping, 2015, 36, 3227-3245.	3.6	31
100	Effects of chronic dietary exposure to monosodium glutamate on feeding behavior, adiposity, gastrointestinal motility, and cardiovascular function in healthy adult rats. Neurogastroenterology and Motility, 2015, 27, 1559-1570.	3.0	18
101	Stochastic effects in a discrete RT model with critical behaviour. Journal of Physics: Conference Series, 2015, 633, 012089.	0.4	0
102	Facial Onset Sensory and Motor Neuronopathy (FOSMN Syndrome) with abnormal brainstem neuroimaging: a case report. Journal of the Neurological Sciences, 2015, 357, e226-e227.	0.6	0
103	Fluorescence multi-scale endoscopy and its applications in the study and diagnosis of gastro-intestinal diseases: set-up design and software implementation. Proceedings of SPIE, 2015, , .	0.8	0
104	A labdane diterpene exerts ex vivo and in vivo cardioprotection against post-ischemic injury: Involvement of AKT-dependent mechanisms. Biochemical Pharmacology, 2015, 93, 428-439.	4.4	10
105	Detection of mouse endogenous type B astrocytes migrating towards brain lesions. Stem Cell Research, 2015, 14, 114-129.	0.7	13
106	The role of elastic restoring forces in right-ventricular filling. Cardiovascular Research, 2015, 107, 45-55.	3.8	15
107	Development and validation of an open source quantification tool for DSC-MRI studies. Computers in Biology and Medicine, 2015, 58, 56-62.	7.0	3
108	Gender effects on brain changes in early-onset psychosis. European Child and Adolescent Psychiatry, 2015, 24, 1193-1205.	4.7	7

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109	Intraoperative Electron-Beam Radiation Therapy for Pediatric Ewing Sarcomas and Rhabdomyosarcomas: Long-Term Outcomes. International Journal of Radiation Oncology Biology Physics, 2015, 92, 1069-1076.	0.8	12
110	Reduced Gyrification Is Related to Reduced Interhemispheric Connectivity in Autism Spectrum Disorders. Journal of the American Academy of Child and Adolescent Psychiatry, 2015, 54, 668-676.	0.5	37
111	Using a maternal immune stimulation model of schizophrenia to study behavioral and neurobiological alterations over the developmental course. Schizophrenia Research, 2015, 166, 238-247.	2.0	61
112	Exploitation of temporal redundancy in compressed sensing reconstruction of fMRI studies with a priorâ€based algorithm (PICCS). Medical Physics, 2015, 42, 3814-3821.	3.0	15
113	Functional neuroimaging of amphetamine-induced striatal neurotoxicity in the pleiotrophin knockout mouse model. Neuroscience Letters, 2015, 591, 132-137.	2.1	7
114	On feature extraction for noninvasive kernel estimation of left ventricular chamber function indices from echocardiographic images. , 2015, 39, 63-79.		0
115	Single-Institution Multidisciplinary Management of Locoregional Oligo-Recurrent Pelvic Malignancies: Long-Term Outcome Analysis. Annals of Surgical Oncology, 2015, 22, 1247-1255.	1.5	4
116	Sensationâ€toâ€cognition cortical streams in attentionâ€deficit/hyperactivity disorder. Human Brain Mapping, 2015, 36, 2544-2557.	3.6	44
117	Tissue-Dependent and Spatially-Variant Positron Range Correction in 3D PET. IEEE Transactions on Medical Imaging, 2015, 34, 2394-2403.	8.9	27
118	P.7.b.008 Progressive loss of gray matter volume in the frontal lobe is associated with decreased working memory performance over time in adolescent psychosis. European Neuropsychopharmacology, 2015, 25, S639-S640.	0.7	0
119	Predictors of schizophrenia spectrum disorders in early-onset first episodes of psychosis: a support vector machine model. European Child and Adolescent Psychiatry, 2015, 24, 427-440.	4.7	37
120	Investigation of Different Sparsity Transforms for the PICCS Algorithm in Small-Animal Respiratory Gated CT. PLoS ONE, 2015, 10, e0120140.	2.5	8
121	Abstract 1493: 18F-misonidazole PET (FMISO-PET) monitors vascular normalization (VN) and predicts benefit from antiangiogenic treatment plus chemotherapy in pancreas cancer. , 2015, , .		0
122	Comparison of Methods to Reduce Myocardial 18F-FDG Uptake in Mice: Calcium Channel Blockers versus High-Fat Diets. PLoS ONE, 2014, 9, e107999.	2.5	11
123	Added value of advanced over conventional magnetic resonance imaging in grading gliomas and other primary brain tumors. Cancer Imaging, 2014, 14, 35.	2.8	55
124	K-Ras ^{V14I} recapitulates Noonan syndrome in mice. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 16395-16400.	7.1	67
125	White matter microstructure correlates of mathematical giftedness and intelligence quotient. Human Brain Mapping, 2014, 35, 2619-2631.	3.6	144
126	Application of the compressed sensing technique to selfâ€gated cardiac cine sequences in small animals. Magnetic Resonance in Medicine, 2014, 72, 369-380.	3.0	28

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127	Surfing the optimization space of a multiple-GPU parallel implementation of a X-ray tomography reconstruction algorithm. Journal of Systems and Software, 2014, 95, 166-175.	4.5	20
128	Cerebral Blood Flow is an Earlier Indicator of Perfusion Abnormalities than Cerebral Blood Volume in Alzheimer's Disease. Journal of Cerebral Blood Flow and Metabolism, 2014, 34, 654-659.	4.3	66
129	Dual-exposure technique for extending the dynamic range of x-ray flat panel detectors. Physics in Medicine and Biology, 2014, 59, 421-439.	3.0	9
130	Organ-focused mutual information for nonrigid multimodal registration of liver CT and Gdâ€“EOBâ€“DTPA-enhanced MRI. Medical Image Analysis, 2014, 18, 22-35.	11.6	13
131	In-line high resolution PET and 3T MRI hybrid device for preclinical multimodal imaging. EJNMMI Physics, 2014, 1, A7.	2.7	1
132	Cortical morphology of adolescents with bipolar disorder and with schizophrenia. Schizophrenia Research, 2014, 158, 91-99.	2.0	65
133	Response to Deep Brain Stimulation in the Lateral Hypothalamic Area in a Rat Model of Obesity: In Vivo Assessment of Brain Glucose Metabolism. Molecular Imaging and Biology, 2014, 16, 830-837.	2.6	30
134	Combination of Single-Photon Emission Computed Tomography and Magnetic Resonance Imaging to Track ¹¹¹ In-Oxineâ€“Labeled Human Mesenchymal Stem Cells in Neuroblastoma-Bearing Mice. Molecular Imaging, 2014, 13, 7290.2014.00033.	1.4	15
135	Novel 4D image reconstruction for dynamic X-ray computed tomography in slow rotating scanners. , 2014, , .		0
136	Evaluation of the possibilities of limited angle reconstruction for the use of digital Radiography system as a tomograph. , 2014, , .		1
137	Compressed Sensing for Cardiac MRI Cine Sequences: A Real Implementation on a Small-Animal Scanner. IFMBE Proceedings, 2014, , 214-217.	0.3	1
138	A Prior-Based Image Variation (PRIVA) Approach Applied to Motion-Based Compressed Sensing Cardiac Cine MRI. IFMBE Proceedings, 2014, , 233-236.	0.3	2
139	Comparison of Total Variation with a Motion Estimation Based Compressed Sensing Approach for Self-Gated Cardiac Cine MRI in Small Animal Studies. PLoS ONE, 2014, 9, e110594.	2.5	16
140	Meningiomas: A Comparative Study of 68Ga-DOTATOC, 68Ga-DOTANOC and 68Ga-DOTATATE for Molecular Imaging in Mice. PLoS ONE, 2014, 9, e111624.	2.5	31
141	Optical Tracking System Integration into IORT Treatment Planning System. IFMBE Proceedings, 2014, , 37-40.	0.3	2
142	Parallel Implementation of a X-Ray Tomography Reconstruction Algorithm for High-Resolution Studies. IFMBE Proceedings, 2014, , 257-260.	0.3	0
143	Semi-automatic Segmentation of Sacrum in Computer Tomography Studies for Intraoperative Radiation Therapy. IFMBE Proceedings, 2014, , 344-347.	0.3	0
144	Massively parallelizable listâ€mode reconstruction using a Monte Carloâ€based elliptical Gaussian model. Medical Physics, 2013, 40, 012504.	3.0	6

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145	Positron range estimations with PeneloPET. Physics in Medicine and Biology, 2013, 58, 5127-5152.	3.0	56
146	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
147	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
148	Automatic TAC extraction from dynamic cardiac PET imaging using iterative correlation from a population template. Computer Methods and Programs in Biomedicine, 2013, 111, 308-314.	4.7	3
149	MRI compatibility of position-sensitive photomultiplier depth-of-interaction PET detectors modules for in-line multimodality preclinical studies. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 2013, 702, 83-87.	1.6	6
150	Use of Split Bregman denoising for iterative reconstruction in fluorescence diffuse optical tomography. Journal of Biomedical Optics, 2013, 18, 076016.	2.6	27
151	Feasibility of integrating a multi-camera optical tracking system in intra-operative electron radiation therapy scenarios. Physics in Medicine and Biology, 2013, 58, 8769-8782.	3.0	30
152	Improved dead-time correction for PET scanners: application to small-animal PET. Physics in Medicine and Biology, 2013, 58, 2059-2072.	3.0	7
153	Modification of the TASMIP x-ray spectral model for the simulation of microfocus x-ray sources. Medical Physics, 2013, 41, 011902.	3.0	9
154	The Human Cerebral Cortex Flattens during Adolescence. Journal of Neuroscience, 2013, 33, 15004-15010.	3.6	108
155	Parallel implementation of a X-ray tomography reconstruction algorithm based on MPI and CUDA. , 2013, , .		4
156	Diastolic chamber properties of the left ventricle assessed by global fitting of pressure-volume data: improving the gold standard of diastolic function. Journal of Applied Physiology, 2013, 115, 556-568.	2.5	19
157	Targeted Antifungal Prophylaxis in Heart Transplant Recipients. Transplantation, 2013, 96, 664-669.	1.0	46
158	jClustering, an Open Framework for the Development of 4D Clustering Algorithms. PLoS ONE, 2013, 8, e70797.	2.5	3
159	Is the Cerebellum the Optimal Reference Region for Intensity Normalization of Perfusion MR Studies in Early Alzheimerâ€™s Disease?. PLoS ONE, 2013, 8, e81548.	2.5	14
160	Progressive Brain Changes in Children and Adolescents With First-Episode Psychosis. Archives of General Psychiatry, 2012, 69, 16.	12.3	135
161	Misalignments calibration in small-animal PET scanners based on rotating planar detectors and parallel-beam geometry. Physics in Medicine and Biology, 2012, 57, 7493-7518.	3.0	4
162	A method for small-animal PET/CT alignment calibration. Physics in Medicine and Biology, 2012, 57, N199-N207.	3.0	9

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163	Investigation of different Compressed Sensing approaches for respiratory gating in small animal CT. , 2012, , .		3
164	Influence of absorption and scattering on the quantification of fluorescence diffuse optical tomography using normalized data. Journal of Biomedical Optics, 2012, 17, 036013.	2.6	14
165	Regional specificity of thalamic volume deficits in male adolescents with early-onset psychosis. British Journal of Psychiatry, 2012, 200, 30-36.	2.8	23
166	Approach to Assessing Myocardial Perfusion in Rats Using Static [13N]-Ammonia Images and a Small-Animal PET. Molecular Imaging and Biology, 2012, 14, 541-545.	2.6	5
167	An Innovative Tool for Intraoperative Electron Beam Radiotherapy Simulation and Planning: Description and Initial Evaluation by Radiation Oncologists. International Journal of Radiation Oncology Biology Physics, 2012, 83, e287-e295.	0.8	56
168	Exploiting Parallelism in a X-ray Tomography Reconstruction Algorithm on Hybrid Multi-GPU and Multi-core Platforms. , 2012, , .		4
169	Accuracy of CT-based attenuation correction in PET/CT bone imaging. Physics in Medicine and Biology, 2012, 57, 2477-2490.	3.0	40
170	Two weeks of postsurgical therapy may be enough for high-risk cases of endocarditis caused by Streptococcus viridans or Streptococcus bovis. Clinical Microbiology and Infection, 2012, 18, 293-299.	6.0	15
171	Software architecture for multi-bed FDK-based reconstruction in X-ray CT scanners. Computer Methods and Programs in Biomedicine, 2012, 107, 218-232.	4.7	37
172	Poster #40 LONGITUDINAL CHANGE IN LEVELS OF N-ACETYL-ASPARTATE IN EARLY ONSET PSYCHOSIS AND HEALTHY CONTROLS. Schizophrenia Research, 2012, 136, S106.	2.0	0
173	Decreased glutathione levels predict loss of brain volume in children and adolescents with first-episode psychosis in a two-year longitudinal study. Schizophrenia Research, 2012, 137, 58-65.	2.0	50
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