

Erlend Hodneland

List of Publications by Year in descending order

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36
papers

1,176
citations

471509

17
h-index

395702

33
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36
all docs

36
docs citations

36
times ranked

2136
citing authors

#	ARTICLE	IF	CITATIONS
1	Selective block of tunneling nanotube (TNT) formation inhibits intercellular organelle transfer between PC12 cells. <i>FEBS Letters</i> , 2009, 583, 1481-1488.	2.8	179
2	Cortico-striatal connectivity and cognition in normal aging: A combined DTI and resting state fMRI study. <i>NeuroImage</i> , 2011, 55, 24-31.	4.2	135
3	Epac1 and cAMP-dependent Protein Kinase Holoenzyme Have Similar cAMP Affinity, but Their cAMP Domains Have Distinct Structural Features and Cyclic Nucleotide Recognition. <i>Journal of Biological Chemistry</i> , 2006, 281, 21500-21511.	3.4	133
4	Tunneling nanotube (TNT)-like structures facilitate a constitutive, actomyosin-dependent exchange of endocytic organelles between normal rat kidney cells. <i>Experimental Cell Research</i> , 2008, 314, 3669-3683.	2.6	126
5	Automated Tracking of Nanoparticle-labeled Melanoma Cells Improves the Predictive Power of a Brain Metastasis Model. <i>Cancer Research</i> , 2013, 73, 2445-2456.	0.9	49
6	Whole-Volume Tumor MRI Radiomics for Prognostic Modeling in Endometrial Cancer. <i>Journal of Magnetic Resonance Imaging</i> , 2021, 53, 928-937.	3.4	47
7	Intercellular transfer of transferrin receptor by a contact, Rab8-dependent mechanism involving tunneling nanotubes. <i>FASEB Journal</i> , 2015, 29, 4695-4712.	0.5	46
8	Normalized gradient fields for nonlinear motion correction of DCE-MRI time series. <i>Computerized Medical Imaging and Graphics</i> , 2014, 38, 202-210.	5.8	31
9	A Unified Framework for Automated 3-D Segmentation of Surface-Stained Living Cells and a Comprehensive Segmentation Evaluation. <i>IEEE Transactions on Medical Imaging</i> , 2009, 28, 720-738.	8.9	29
10	Four-Color Theorem and Level Set Methods for Watershed Segmentation. <i>International Journal of Computer Vision</i> , 2009, 82, 264-283.	15.6	27
11	Segmentation-Driven Image Registration-Application to 4D DCE-MRI Recordings of the Moving Kidneys. <i>IEEE Transactions on Image Processing</i> , 2014, 23, 2392-2404.	9.8	27
12	Quantitative lung ventilation using Fourier decomposition MRI; comparison and initial study. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2014, 27, 467-476.	2.0	26
13	Registration of FA and T1-Weighted MRI Data of Healthy Human Brain Based on Template Matching and Normalized Cross-Correlation. <i>Journal of Digital Imaging</i> , 2013, 26, 774-785.	2.9	25
14	Use of 3D DCE-MRI for the Estimation of Renal Perfusion and Glomerular Filtration Rate: An Intrasubject Comparison of FLASH and KWIC With a Comprehensive Framework for Evaluation. <i>American Journal of Roentgenology</i> , 2015, 204, W273-W281.	2.2	25
15	A new framework for assessing subject-specific whole brain circulation and perfusion using MRI-based measurements and a multi-scale continuous flow model. <i>PLoS Computational Biology</i> , 2019, 15, e1007073.	3.2	24
16	Automated segmentation of endometrial cancer on MR images using deep learning. <i>Scientific Reports</i> , 2021, 11, 179.	3.3	24
17	Distinct Roles of Myosin Va in Membrane Remodeling and Exocytosis of Secretory Granules. <i>Traffic</i> , 2010, 11, 637-650.	2.7	20
18	Episodic memory of APOE ϵ 4 carriers is correlated with fractional anisotropy, but not cortical thickness, in the medial temporal lobe. <i>NeuroImage</i> , 2012, 63, 507-516.	4.2	19

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19	Rab3D Is Critical for Secretory Granule Maturation in PC12 Cells. PLoS ONE, 2013, 8, e57321.	2.5	18
20	Automated approaches for analysis of multimodal MRI acquisitions in a study of cognitive aging. Computer Methods and Programs in Biomedicine, 2012, 106, 328-341.	4.7	17
21	<i>In Vivo</i> Detection of Chronic Kidney Disease Using Tissue Deformation Fields From Dynamic MR Imaging. IEEE Transactions on Biomedical Engineering, 2019, 66, 1779-1790.	4.2	17
22	In thrombin stimulated human platelets Citalopram, Promethazine, Risperidone, and Ziprasidone, but not Diazepam, may exert their pharmacological effects also through intercalation in membrane phospholipids in a receptor-independent manner. Journal of Chemical Biology, 2009, 2, 89-103.	2.2	15
23	Fractional anisotropy shows differential reduction in frontal-subcortical fiber bundles—longitudinal MRI study of 76 middle-aged and older adults. Frontiers in Aging Neuroscience, 2015, 7, 81.	3.4	14
24	Quantification of Single-Kidney Function and Volume in Living Kidney Donors Using Dynamic Contrast-Enhanced MRI. American Journal of Roentgenology, 2016, 207, 1022-1030.	2.2	14
25	A radiogenomics application for prognostic profiling of endometrial cancer. Communications Biology, 2021, 4, 1363.	4.4	14
26	Effect of temperature and concentration of impurities in the fluid stream on CO ₂ migration in the Utsira formation. International Journal of Greenhouse Gas Control, 2019, 83, 20-28.	4.6	13
27	Melanoma brain metastasis is independent of lactate dehydrogenase A expression. Neuro-Oncology, 2015, 17, 1374-1385.	1.2	10
28	Physical Models for Simulation and Reconstruction of Human Tissue Deformation Fields in Dynamic MRI. IEEE Transactions on Biomedical Engineering, 2016, 63, 2200-2210.	4.2	10
29	Estimating the discretization dependent accuracy of perfusion in coupled capillary flow measurements. PLoS ONE, 2018, 13, e0200521.	2.5	9
30	Fully Automatic Whole-Volume Tumor Segmentation in Cervical Cancer. Cancers, 2022, 14, 2372.	3.7	9
31	Workflow sensitivity of post-processing methods in renal DCE-MRI. Magnetic Resonance Imaging, 2017, 42, 60-68.	1.8	7
32	Semi-automatic 3D morphological reconstruction of neurons with densely branching morphology: Application to retinal All amacrine cells imaged with multi-photon excitation microscopy. Journal of Neuroscience Methods, 2017, 279, 101-118.	2.5	6
33	A practical guideline for <i>T₁</i> reconstruction from various flip angles in MRI. Journal of Algorithms and Computational Technology, 2016, 10, 213-223.	0.7	5
34	Well-Posedness and Discretization for a Class of Models for Mixed-Dimensional Problems with High-Dimensional Gap. SIAM Journal on Applied Mathematics, 2021, 81, 2218-2245.	1.8	3
35	White matter fiber tracking directed by interpolating splines and a methodological framework for evaluation. Frontiers in Neuroinformatics, 2013, 7, 13.	2.5	2
36	A simple method to calculate the accessible volume of protein-bound ligands: Application for ligand selectivity. Journal of Molecular Graphics and Modelling, 2007, 26, 429-433.	2.4	1