

Katrine Riklund

List of Publications by Year in descending order

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101
papers

3,221
citations

218677

26
h-index

182427

51
g-index

104
all docs

104
docs citations

104
times ranked

4914
citing authors

#	ARTICLE	IF	CITATIONS
1	Memory aging and brain maintenance. Trends in Cognitive Sciences, 2012, 16, 292-305.	7.8	916
2	Aerobic Exercise Intervention, Cognitive Performance, and Brain Structure: Results from the Physical Influences on Brain in Aging (PHIBRA) Study. Frontiers in Aging Neuroscience, 2016, 8, 336.	3.4	167
3	Functional brain activity and presynaptic dopamine uptake in patients with Parkinson's disease and mild cognitive impairment: a cross-sectional study. Lancet Neurology, The, 2012, 11, 679-687.	10.2	137
4	Dopamine D2 receptor availability is linked to hippocampalâ€œcaudate functional connectivity and episodic memory. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 7918-7923.	7.1	135
5	Early predictors of mortality in parkinsonism and Parkinson disease. Neurology, 2018, 91, e2045-e2056.	1.1	111
6	NfL as a biomarker for neurodegeneration and survival in Parkinson disease. Neurology, 2020, 95, e827-e838.	1.1	73
7	COBRA: A prospective multimodal imaging study of dopamine, brain structure and function, and cognition. Brain Research, 2015, 1612, 83-103.	2.2	67
8	Temporal dynamics of basal ganglia under-recruitment in Parkinson's disease: transient caudate abnormalities during updating of working memory. Brain, 2008, 132, 336-346.	7.6	61
9	U-CAN: a prospective longitudinal collection of biomaterials and clinical information from adult cancer patients in Sweden. Acta OncolÃ³gica, 2018, 57, 187-194.	1.8	52
10	Dopamine transporter imaging with [18F]FE-PE2I PET and [123I]FP-CIT SPECTâ€œa clinical comparison. EJNMMI Research, 2018, 8, 100.	2.5	51
11	Does Aerobic Exercise Influence Intrinsic Brain Activity? An Aerobic Exercise Intervention among Healthy Old Adults. Frontiers in Aging Neuroscience, 2017, 9, 267.	3.4	49
12	H HRMAS NMR Derived Bio-markers Related to Tumor Grade, Tumor Cell Fraction, and Cell Proliferation in Prostate Tissue Samples. Biomarker Insights, 2011, 6, BMI.S6794.	2.5	45
13	Pre- and postsynaptic dopamine SPECT in the early phase of idiopathic parkinsonism: a population-based study. European Journal of Nuclear Medicine and Molecular Imaging, 2010, 37, 2154-2164.	6.4	43
14	Evaluation of an attenuation correction method for PET/MR imaging of the head based on substitute CT images. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2013, 26, 127-136.	2.0	41
15	Dissociations between glucose metabolism and blood oxygenation in the human default mode network revealed by simultaneous PET-fMRI. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	39
16	Striatal dopamine D2 binding is related to frontal BOLD response during updating of long-term memory representations. NeuroImage, 2009, 46, 1194-1199.	4.2	38
17	Dopamine D_{2/3} Binding Potential Modulates Neural Signatures of Working Memory in a Load-Dependent Fashion. Journal of Neuroscience, 2019, 39, 537-547.	3.6	37
18	Attenuation of dopamine-modulated prefrontal value signals underlies probabilistic reward learning deficits in old age. ELife, 2017, 6, .	6.0	37

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19	Dorsal striatal dopamine D1 receptor availability predicts an instrumental bias in action learning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 261-270.	7.1	36
20	Dopamine release in nucleus accumbens during rewarded task switching measured by [11C]raclopride. <i>NeuroImage</i> , 2014, 99, 357-364.	4.2	34
21	Latent-Profile Analysis Reveals Behavioral and Brain Correlates of Dopamine-Cognition Associations. <i>Cerebral Cortex</i> , 2018, 28, 3894-3907.	2.9	34
22	The Role of Imaging Specialists as Authors of Systematic Reviews on Diagnostic and Interventional Imaging and Its Impact on Scientific Quality: Report from the EuroAIM Evidence-based Radiology Working Group. <i>Radiology</i> , 2014, 272, 533-540.	7.3	33
23	Mapping the landscape of human dopamine D2/3 receptors with [11C]raclopride. <i>Brain Structure and Function</i> , 2019, 224, 2871-2882.	2.3	30
24	Diagnostic accuracy of the iNPH Radscale in idiopathic normal pressure hydrocephalus. <i>PLoS ONE</i> , 2020, 15, e0232275.	2.5	30
25	Sentinel node detection in renal cell carcinoma. A feasibility study for detection of tumour-draining lymph nodes. <i>BJU International</i> , 2012, 109, 1134-1139.	2.5	29
26	Self-rated intensity of habitual physical activities is positively associated with dopamine D2/3 receptor availability and cognition. <i>NeuroImage</i> , 2018, 181, 605-616.	4.2	29
27	1-[11C]-acetate PET imaging in head and neck cancer—a comparison with 18F-FDG-PET: implications for staging and radiotherapy planning. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2007, 34, 651-657.	6.4	28
28	Neoadjuvant Chemotherapy Reinforces Antitumour T cell Response in Urothelial Urinary Bladder Cancer. <i>European Urology</i> , 2018, 74, 688-692.	1.9	28
29	PET/MRI and PET/CT hybrid imaging of rectal cancer — description and initial observations from the RECTOPET (REctal Cancer trial on PET/MRI/CT) study. <i>Cancer Imaging</i> , 2019, 19, 52.	2.8	28
30	Body composition measured by computed tomography is associated with colorectal cancer survival, also in early-stage disease. <i>Acta Oncologica</i> , 2020, 59, 799-808.	1.8	28
31	Altered cerebral blood flow in chronic neck pain patients but not in whiplash patients: a 99mTc-HMPAO rCBF study. <i>European Spine Journal</i> , 2006, 15, 1189-1195.	2.2	26
32	Balance between Transmitter Availability and Dopamine D2 Receptors in Prefrontal Cortex Influences Memory Functioning. <i>Cerebral Cortex</i> , 2020, 30, 989-1000.	2.9	26
33	Cerebral arterial pulsatility is linked to hippocampal microvascular function and episodic memory in healthy older adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2021, 41, 1778-1790.	4.3	26
34	Identifying critical steps towards improved access to innovation in cancer care: a European CanCer Organisation position paper. <i>European Journal of Cancer</i> , 2017, 82, 193-202.	2.8	25
35	Neurocognitive Profiles of Older Adults with Working-Memory Dysfunction. <i>Cerebral Cortex</i> , 2018, 28, 2525-2539.	2.9	25
36	Standardized image evaluation in patients with idiopathic normal pressure hydrocephalus: consistency and reproducibility. <i>Neuroradiology</i> , 2019, 61, 1397-1406.	2.2	25

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37	Subcentimeter Tumor Lesion Delineation for High-Resolution 18F-FDG PET Images: Optimizing Correction for Partial-Volume Effects. <i>Journal of Nuclear Medicine Technology</i> , 2013, 41, 85-91.	0.8	24
38	Urothelial bladder cancer may suppress perforin expression in CD8+ T cells by an ICAM-1/TGF β 2 mediated pathway. <i>PLoS ONE</i> , 2018, 13, e0200079.	2.5	24
39	Increased CD4+ T cell lineage commitment determined by CpG methylation correlates with better prognosis in urinary bladder cancer patients. <i>Clinical Epigenetics</i> , 2018, 10, 102.	4.1	24
40	Radiation dosimetry of [68Ga]PSMA-11 in low-risk prostate cancer patients. <i>EJNMMI Physics</i> , 2019, 6, 2.	2.7	24
41	Detection of polyunsaturated omega-6 fatty acid in human malignant prostate tissue by 1D and 2D high-resolution magic angle spinning NMR spectroscopy. <i>Magnetic Resonance Materials in Physics, Biology, and Medicine</i> , 2009, 22, 327-331.	2.0	22
42	Treatment of chronic stress in employees: Subjective, cognitive and neural correlates. <i>Scandinavian Journal of Psychology</i> , 2005, 46, 395-402.	1.5	21
43	123I-FP-Cit and 123I-IBZM SPECT uptake in a prospective normal material analysed with two different semiquantitative image evaluation tools. <i>Nuclear Medicine Communications</i> , 2013, 34, 978-989.	1.1	21
44	Visual consciousness: Dissociating the neural correlates of perceptual transitions from sustained perception with fMRI. <i>Consciousness and Cognition</i> , 2004, 13, 61-72.	1.5	19
45	Cardiovascular factors are related to dopamine integrity and cognition in aging. <i>Annals of Clinical and Translational Neurology</i> , 2019, 6, 2291-2303.	3.7	19
46	Degenerative changes were common in brain magnetic resonance imaging in patients with newly diagnosed Parkinson's disease in a population-based cohort. <i>Journal of Neurology</i> , 2009, 256, 1671-1680.	3.6	18
47	Decrease in bone mineral density during three months after diagnosis of early rheumatoid arthritis measured by digital X-ray radiogrammetry predicts radiographic joint damage after one year. <i>Arthritis Research and Therapy</i> , 2017, 19, 195.	3.5	18
48	Iodine-131 Induces Mitotic Catastrophes and Activates Apoptotic Pathways in HeLa Hep2 Cells. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 2008, 23, 541-550.	1.0	16
49	Optimizing the Generation of Recombinant Single-Chain Antibodies Against Placental Alkaline Phosphatase. <i>Hybridoma</i> , 2006, 25, 181-192.	0.4	15
50	Higher striatal D2-receptor availability in aerobically fit older adults but non-selective intervention effects after aerobic versus resistance training. <i>NeuroImage</i> , 2019, 202, 116044.	4.2	15
51	High long-term test-retest reliability for extrastriatal ¹¹ C-raclopride binding in healthy older adults. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2020, 40, 1859-1868.	4.3	15
52	Pre- and Postsynaptic Dopamine SPECT in Idiopathic Parkinsonian Diseases: A Follow-Up Study. <i>BioMed Research International</i> , 2013, 2013, 1-14.	1.9	14
53	Sentinel node detection in muscle-invasive urothelial bladder cancer is feasible after neoadjuvant chemotherapy in all pT stages, a prospective multicenter report. <i>World Journal of Urology</i> , 2017, 35, 921-927.	2.2	14
54	Longitudinal Dopamine D2 Receptor Changes and Cerebrovascular Health in Aging. <i>Neurology</i> , 2022, 99, .	1.1	14

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55	Correction for scatter and septal penetration using convolution subtraction methods and model-based compensation in ¹²³ I brain SPECT imaging—a Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2006, 51, 5753-5767.	3.0	13
56	Gene expression profiling in MOLT-4 cells during gamma-radiation-induced apoptosis. <i>Tumor Biology</i> , 2012, 33, 689-700.	1.8	13
57	<i>C957T</i> -mediated Variation in Ligand Affinity Affects the Association between ¹¹ C-raclopride Binding Potential and Cognition. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 314-325.	2.3	13
58	Genome wide expression analysis of radiation-induced DNA damage responses in isogenic HCT116 p53+/+ and HCT116 p53-/- colorectal carcinoma cell lines. <i>International Journal of Radiation Biology</i> , 2015, 91, 99-111.	1.8	11
59	Dopamine D2 receptor SPECT with ¹²³ I-IBZM: evaluation of collimator and post-filtering when using model-based compensation—a Monte Carlo study. <i>Physics in Medicine and Biology</i> , 2010, 55, 1971-1988.	3.0	10
60	Rotation Radius Dependence of ¹²³ I-FP-CIT and ¹²³ I-IBZM SPECT Uptake Ratios: A Monte Carlo Study. <i>Journal of Nuclear Medicine Technology</i> , 2012, 40, 249-254.	0.8	10
61	Apoptotic signalling in HeLa Hep2 cells following 5 Gy of cobalt-60 gamma radiation. <i>Anticancer Research</i> , 2009, 29, 4361-6.	1.1	10
62	<i>DyNAMiC</i> : A prospective longitudinal study of dopamine and brain connectomes: A new window into cognitive aging. <i>Journal of Neuroscience Research</i> , 2022, 100, 1296-1320.	2.9	10
63	In vivo clearing of idiotypic antibodies with antiidiotypic antibodies and their derivatives. <i>Molecular Immunology</i> , 2006, 43, 599-606.	2.2	9
64	Accuracy of Visual Assessment of Dopamine Transporter Imaging in Early Parkinsonism. <i>Movement Disorders Clinical Practice</i> , 2015, 2, 17-23.	1.5	9
65	Role of dopamine and gray matter density in aging effects and individual differences of functional connectomes. <i>Brain Structure and Function</i> , 2021, 226, 743-758.	2.3	9
66	Registration of histopathology to magnetic resonance imaging of prostate cancer. <i>Physics and Imaging in Radiation Oncology</i> , 2021, 18, 19-25.	2.9	9
67	Considerations for artificial intelligence clinical impact in oncologic imaging: an AI4HI position paper. <i>Insights Into Imaging</i> , 2022, 13, 89.	3.4	9
68	The accuracy of quantitative parameters in ^{99m} Tc- <i>MAG</i> 3 dynamic renography: a national audit based on virtual image data. <i>Clinical Physiology and Functional Imaging</i> , 2016, 36, 146-154.	1.2	8
69	¹¹ C-Acetate-PET/CT Compared to ^{99m} Tc-HDP Bone Scintigraphy in Primary Staging of High-risk Prostate Cancer. <i>Anticancer Research</i> , 2016, 36, 6475-6480.	1.1	8
70	Prediction and early biomarkers of cognitive decline in Parkinson disease and atypical parkinsonism: a population-based study. <i>Brain Communications</i> , 2022, 4, fca040.	3.3	8
71	¹¹ C-acetate PET/CT in pre-therapeutic lymph node staging in high-risk prostate cancer patients and its influence on disease management - a retrospective study. <i>EJNMMI Research</i> , 2014, 4, 55.	2.5	7
72	Distinct and Common Large-Scale Networks of the Hippocampal Long Axis in Older Age: Links to Episodic Memory and Dopamine D2 Receptor Availability. <i>Cerebral Cortex</i> , 2021, 31, 3435-3450.	2.9	7

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73	Evaluation of inter-departmental variability of ejection fraction and cardiac volumes in myocardial perfusion scintigraphy using simulated data. <i>EJNMMI Physics</i> , 2015, 2, 2.	2.7	6
74	Construction and Purification of a Covalently Linked Divalent Tandem Single-Chain Fv Antibody Against Placental Alkaline Phosphatase. <i>Hybridoma</i> , 2006, 25, 255-263.	0.4	5
75	Gaussian prefiltering of ¹²³ I DAT SPECT images when using depth-independent resolution recovery. <i>Physics in Medicine and Biology</i> , 2007, 52, N393-N399.	3.0	5
76	Alterations in white matter microstructure are associated with goal-directed upper limb movement segmentation in children born extremely preterm. <i>Human Brain Mapping</i> , 2017, 38, 5051-5068.	3.6	5
77	IL-16 processing in sentinel node regulatory T cells is a factor in bladder cancer immunity. <i>Scandinavian Journal of Immunology</i> , 2020, 92, e12926.	2.7	5
78	Rectal cancer: a methodological approach to matching PET/MRI to histopathology. <i>Cancer Imaging</i> , 2020, 20, 80.	2.8	5
79	A common polymorphism in the dopamine transporter gene predicts working memory performance and in vivo dopamine integrity in aging. <i>NeuroImage</i> , 2021, 245, 118707.	4.2	5
80	Fewer tumour draining sentinel nodes in patients with progressing muscle invasive bladder cancer, after neoadjuvant chemotherapy and radical cystectomy. <i>World Journal of Urology</i> , 2020, 38, 2207-2213.	2.2	4
81	Corticostriatal White Matter Integrity and Dopamine D1 Receptor Availability Predict Age Differences in Prefrontal Value Signaling during Reward Learning. <i>Cerebral Cortex</i> , 2020, 30, 5270-5280.	2.9	4
82	Sex differences in dopamine integrity and brain structure among healthy older adults: Relationships to episodic memory. <i>Neurobiology of Aging</i> , 2021, 105, 272-279.	3.1	4
83	The Influence of Hippocampal Dopamine D2 Receptors on Episodic Memory Is Modulated by BDNF and KIBRA Polymorphisms. <i>Journal of Cognitive Neuroscience</i> , 2019, 31, 1422-1429.	2.3	3
84	Radiation Induced Cell Deaths. , 2008, , 215-248.		3
85	Therapeutically Used Targeted Antigens in Radioimmunotherapy. , 2008, , 13-23.		3
86	Alterations in gene expression during radiation-induced mitotic catastrophe in HeLa Hep2 cells. <i>Anticancer Research</i> , 2014, 34, 3875-80.	1.1	3
87	Does ¹⁸ F-FDG PET/CT change the surgical management of potentially resectable colorectal liver metastases?. <i>Scandinavian Journal of Surgery</i> , 2022, 111, 145749692210831.	2.6	3
88	Cerebellar and Cerebral Amyloid Visualized by [18F]flutemetamol PET in Long-Term Hereditary V30M (p.V50M) Transthyretin Amyloidosis Survivors. <i>Frontiers in Neurology</i> , 2022, 13, 816636.	2.4	3
89	Iodine-131 induces Mitotic Catastrophes and Activates Apoptotic Pathways in HeLa Hep2 Cells. <i>Cancer Biotherapy and Radiopharmaceuticals</i> , 0, , 1-10.	1.0	2
90	State of affairs of hybrid imaging in Europe: two multi-national surveys from 2017. <i>Insights Into Imaging</i> , 2019, 10, 57.	3.4	2

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91	Targeting Tumours with Radiolabeled Antibodies. , 2008, , 59-76.		2
92	Reducing scanning time to 50% for ^{111}In pentetreotide SPECT when using model-based compensation. , 2012, , .		1
93	Immune responses against autologous tumor and human papilloma virus in lymph nodes from patients with penile cancer. Investigative and Clinical Urology, 2021, 62, 39.	2.0	1
94	Fronto-striatal dopamine D2 receptor availability is associated with cognitive variability in older individuals with low dopamine integrity. Scientific Reports, 2021, 11, 21089.	3.3	1
95	The Role of Imaging in Nuclear Medicine: The Medical Perspective. , 2013, , 7-18.		0
96	Cross-camera comparison of ROI-based semi-quantitative ^{123}I -IBZM SPECT data in healthy volunteers using an anthropomorphic phantom for calibration. Acta Radiologica, 2013, 54, 549-556.	1.1	0
97	Optimal contrast as a function of noise for Butterworth filtering of ^{111}In -pentetreotide SPECT when using model-based compensation. , 2013, , .		0
98	Optimization of PET reconstruction algorithm, SUV thresholding algorithm and PET acquisition time in clinical ^{11}C -acetate PET/CT. PLoS ONE, 2018, 13, e0209169.	2.5	0
99	Cancer Stem Cells and Radiation. , 2008, , 285-293.		0
100	Radiation Induced DNA Damage Checkpoints. , 2008, , 267-284.		0
101	VNTR polymorphism in the SLC6A3 gene does not influence dopamine transporter availability measured by ^{18}F -FEPE2I PET or ^{123}I -FP-Cit SPECT. Nuclear Medicine Communications, 2022, 43, 247-255.	1.1	0