

Sargo Aalto

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

71 papers	5,159 citations	41 h-index	71 g-index
73 ext. papers	5,644 ext. citations	5.4 avg, IF	4.7 L-index

#	Paper	IF	Citations
71	Effects of sevoflurane, propofol, and adjunct nitrous oxide on regional cerebral blood flow, oxygen consumption, and blood volume in humans. <i>Anesthesiology</i> , 2003 , 99, 603-13	4.3	286
70	PET amyloid ligand [11C]PIB uptake is increased in mild cognitive impairment. <i>Neurology</i> , 2007 , 68, 1603-6	6.5	266
69	Frontal and temporal dopamine release during working memory and attention tasks in healthy humans: a positron emission tomography study using the high-affinity dopamine D2 receptor ligand [11C]FLB 457. <i>Journal of Neuroscience</i> , 2005 , 25, 2471-7	6.6	234
68	Effects of surgical levels of propofol and sevoflurane anesthesia on cerebral blood flow in healthy subjects studied with positron emission tomography. <i>Anesthesiology</i> , 2002 , 96, 1358-70	4.3	217
67	Striatal dopamine D1 and D2 receptors in burning mouth syndrome. <i>Pain</i> , 2003 , 101, 149-54	8	186
66	Voxel-based analysis of PET amyloid ligand [11C]PIB uptake in Alzheimer disease. <i>Neurology</i> , 2006 , 67, 1575-80	6.5	185
65	Cognitive reserve hypothesis: Pittsburgh Compound B and fluorodeoxyglucose positron emission tomography in relation to education in mild Alzheimer[s disease. <i>Annals of Neurology</i> , 2008 , 63, 112-8	9.4	184
64	Returning from oblivion: imaging the neural core of consciousness. <i>Journal of Neuroscience</i> , 2012 , 32, 4935-43	6.6	169
63	Effects of subanesthetic doses of ketamine on regional cerebral blood flow, oxygen consumption, and blood volume in humans. <i>Anesthesiology</i> , 2003 , 99, 614-23	4.3	167
62	Altered dopamine D2 receptor binding in atypical facial pain. <i>Pain</i> , 2003 , 106, 43-8	8	152
61	Amyloid PET imaging in patients with mild cognitive impairment: a 2-year follow-up study. <i>Neurology</i> , 2011 , 76, 1085-90	6.5	150
60	Impaired cognitive performance in Parkinson[s disease is related to caudate dopaminergic hypofunction and hippocampal atrophy. <i>Parkinsonism and Related Disorders</i> , 2009 , 15, 88-93	3.6	128
59	Increased caudate dopamine D2 receptor availability as a genetic marker for schizophrenia. <i>Archives of General Psychiatry</i> , 2005 , 62, 371-8		127
58	High intensity exercise decreases global brain glucose uptake in humans. <i>Journal of Physiology</i> , 2005 , 568, 323-32	3.9	124
57	S-ketamine anesthesia increases cerebral blood flow in excess of the metabolic needs in humans. <i>Anesthesiology</i> , 2005 , 103, 258-68	4.3	109
56	Follow-up of [11C]PIB uptake and brain volume in patients with Alzheimer disease and controls. <i>Neurology</i> , 2009 , 73, 1186-92	6.5	102
55	Mobile phone affects cerebral blood flow in humans. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2006 , 26, 885-90	7.3	102

54	PET amyloid ligand [11C]PIB uptake shows predominantly striatal increase in variant Alzheimer[s disease. <i>Brain</i> , 2008 , 131, 1845-53	11.2	99
53	Cortical 6-[18F]fluoro-L-dopa uptake and frontal cognitive functions in early Parkinson[s disease. <i>Neurobiology of Aging</i> , 2005 , 26, 891-8	5.6	98
52	Expectation of caffeine induces dopaminergic responses in humans. <i>European Journal of Neuroscience</i> , 2004 , 19, 2352-6	3.5	97
51	Effects of subanesthetic ketamine on regional cerebral glucose metabolism in humans. <i>Anesthesiology</i> , 2004 , 100, 1065-71	4.3	92
50	PET amyloid ligand [11C]PIB uptake and cerebrospinal fluid beta-amyloid in mild cognitive impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2008 , 26, 378-83	2.6	84
49	Research letter: Psychotherapy increases brain serotonin 5-HT1A receptors in patients with major depressive disorder. <i>Psychological Medicine</i> , 2010 , 40, 523-8	6.9	77
48	Cortical glutamate-dopamine interaction and ketamine-induced psychotic symptoms in man. <i>Psychopharmacology</i> , 2005 , 182, 375-83	4.7	74
47	Striatal subregional 6-[18F]fluoro-L-dopa uptake in early Parkinson[s disease: a two-year follow-up study. <i>Movement Disorders</i> , 2006 , 21, 958-63	7	72
46	Effects of a 902 MHz mobile phone on cerebral blood flow in humans: a PET study. <i>NeuroReport</i> , 2003 , 14, 2019-23	1.7	69
45	Prolonged central mu-opioid receptor occupancy after single and repeated nalmefene dosing. <i>Neuropsychopharmacology</i> , 2005 , 30, 2245-53	8.7	66
44	Neuroanatomical substrata of amusement and sadness: a PET activation study using film stimuli. <i>NeuroReport</i> , 2002 , 13, 67-73	1.7	65
43	[(11)C]PIB-, [(18)F]FDG-PET and MRI imaging in patients with Parkinson[s disease with and without dementia. <i>Parkinsonism and Related Disorders</i> , 2010 , 16, 666-70	3.6	62
42	Short-term psychodynamic psychotherapy and fluoxetine in major depressive disorder: a randomized comparative study. <i>Psychotherapy and Psychosomatics</i> , 2008 , 77, 351-7	9.4	62
41	Brain dopamine d1 receptors in twins discordant for schizophrenia. <i>American Journal of Psychiatry</i> , 2006 , 163, 1747-53	11.9	62
40	Carbon 11-labeled pittsburgh compound B positron emission tomographic amyloid imaging in patients with APP locus duplication. <i>Archives of Neurology</i> , 2008 , 65, 540-4		59
39	Ketamine does not decrease striatal dopamine D2 receptor binding in man. <i>Psychopharmacology</i> , 2002 , 164, 401-6	4.7	58
38	A follow-up study on 6-[18F]fluoro-L-dopa uptake in early Parkinson[s disease shows nonlinear progression in the putamen. <i>Movement Disorders</i> , 2009 , 24, 1009-15	7	55
37	Measurement of central mu-opioid receptor binding in vivo with PET and [11C]carfentanil: a test-retest study in healthy subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 275-86	8.8	55

36	Extrastriatal dopamine D(2) receptors in Parkinson[s disease: a longitudinal study. <i>Journal of Neural Transmission</i> , 2003 , 110, 591-601	4.3	51
35	Insular dopamine D2 receptors and novelty seeking personality in Parkinson[s disease. <i>Movement Disorders</i> , 2004 , 19, 1348-51	7	46
34	Changes in cerebral blood flow in Asperger syndrome during theory of mind tasks presented by the auditory route. <i>European Child and Adolescent Psychiatry</i> , 2003 , 12, 178-89	5.5	46
33	Dopaminergic effects of caffeine in the human striatum and thalamus. <i>NeuroReport</i> , 2004 , 15, 281-5	1.7	46
32	Effects of xenon anesthesia on cerebral blood flow in humans: a positron emission tomography study. <i>Anesthesiology</i> , 2007 , 106, 1128-33	4.3	46
31	Dopamine D2/D3 receptor binding in the anterior cingulate cortex and executive functioning. <i>Psychiatry Research - Neuroimaging</i> , 2007 , 156, 69-74	2.9	42
30	Sevoflurane and propofol increase 11C-flumazenil binding to gamma-aminobutyric acidA receptors in humans. <i>Anesthesia and Analgesia</i> , 2004 , 99, 1420-1426	3.9	40
29	Volumes of the caudate nuclei in women with somatization disorder and healthy women. <i>Psychiatry Research - Neuroimaging</i> , 2004 , 131, 71-8	2.9	35
28	Measurement of GABAA receptor binding in vivo with [11C]flumazenil: a test-retest study in healthy subjects. <i>NeuroImage</i> , 2008 , 41, 260-9	7.9	34
27	Different cerebral cortical areas influence the effect of subthalamic nucleus stimulation on parkinsonian motor deficits and freezing of gait. <i>Movement Disorders</i> , 2007 , 22, 2176-82	7	32
26	The effects of d-amphetamine on extrastriatal dopamine D2/D3 receptors: a randomized, double-blind, placebo-controlled PET study with [11C]FLB 457 in healthy subjects. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 475-83	8.8	31
25	Posterior cortical atrophy: a rare form of dementia with in vivo evidence of amyloid-beta accumulation. <i>Journal of Alzheimer's Disease</i> , 2008 , 15, 351-5	4.3	31
24	Reproducibility of striatal and thalamic dopamine D2 receptor binding using [11C]raclopride with high-resolution positron emission tomography. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2011 , 31, 155-65	7.3	30
23	Increased presynaptic dopamine function in Asperger syndrome. <i>NeuroReport</i> , 2004 , 15, 757-60	1.7	30
22	Alfentanil increases cortical dopamine D2/D3 receptor binding in healthy subjects. <i>Pain</i> , 2004 , 109, 86-93		29
21	Severe somatization in women is associated with altered cerebral glucose metabolism. <i>Psychological Medicine</i> , 2002 , 32, 1379-85	6.9	29
20	Intravenous ethanol increases dopamine release in the ventral striatum in humans: PET study using bolus-plus-infusion administration of [(11)C]raclopride. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2015 , 35, 424-31	7.3	28
19	Effects of antidepressant drug treatment and psychotherapy on striatal and thalamic dopamine D2/3 receptors in major depressive disorder studied with [11C]raclopride PET. <i>Journal of Psychopharmacology</i> , 2011 , 25, 1329-36	4.6	28

18	Xenon does not affect gamma-aminobutyric acid type A receptor binding in humans. <i>Anesthesia and Analgesia</i> , 2008 , 106, 129-34, table of contents	3.9	27
17	Striatal dopamine D1 and D2 receptor balance in twins at increased genetic risk for schizophrenia. <i>Psychiatry Research - Neuroimaging</i> , 2006 , 146, 13-20	2.9	27
16	Effects of fluoxetine on dopamine D2 receptors in the human brain: a positron emission tomography study with [¹¹ C]raclopride. <i>International Journal of Neuropsychopharmacology</i> , 2004 , 7, 431-9	5.8	27
15	Visual assessment of [(11)C]PIB PET in patients with cognitive impairment. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2010 , 37, 1141-7	8.8	26
14	Cognitive functioning in severe somatization--a pilot study. <i>Acta Psychiatrica Scandinavica</i> , 2002 , 106, 461-3	6.5	25
13	Correlation of EEG spectral entropy with regional cerebral blood flow during sevoflurane and propofol anaesthesia. <i>Anaesthesia</i> , 2005 , 60, 862-9	6.6	25
12	Striatal μ opioid receptor availability predicts cold pressor pain threshold in healthy human subjects. <i>Neuroscience Letters</i> , 2012 , 521, 11-4	3.3	22
11	Reproducibility of automated simplified voxel-based analysis of PET amyloid ligand [¹¹ C]PIB uptake using 30-min scanning data. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2009 , 36, 1651-60	8.8	22
10	Subanesthetic ketamine does not affect ¹¹ C-flumazenil binding in humans. <i>Anesthesia and Analgesia</i> , 2005 , 101, 722-725	3.9	20
9	The effects of xenon anesthesia on the relationship between cerebral glucose metabolism and blood flow in healthy subjects: a positron emission tomography study. <i>Anesthesia and Analgesia</i> , 2009 , 108, 593-600	3.9	19
8	Early detection of Alzheimer disease: ¹¹ C-PiB PET in twins discordant for cognitive impairment. <i>Neurology</i> , 2011 , 77, 453-60	6.5	18
7	The worried young adult as a primary care patient. <i>Family Practice</i> , 2005 , 22, 406-11	1.9	12
6	Cognitive decline and amyloid accumulation in patients with mild cognitive impairment. <i>Dementia and Geriatric Cognitive Disorders</i> , 2012 , 34, 31-7	2.6	9
5	Delta entropy of heart rate variability along with deepening anesthesia. <i>Anesthesia and Analgesia</i> , 2011 , 112, 587-92	3.9	8
4	Regression analysis utilizing subjective evaluation of emotional experience in PET studies on emotions. <i>Brain Research Protocols</i> , 2005 , 15, 142-54		8
3	Voxel-based analysis of cerebral glucose metabolism in mono- and dizygotic twins discordant for Alzheimer disease. <i>Journal of Neurology, Neurosurgery and Psychiatry</i> , 2009 , 80, 259-66	5.5	7
2	The effects of lorazepam on extrastriatal dopamine D(2/3)-receptors-A double-blind randomized placebo-controlled PET study. <i>Psychiatry Research - Neuroimaging</i> , 2009 , 174, 130-7	2.9	7
1	Neuroanatomical correlates of film induced disgust: A pet activation study. <i>NeuroImage</i> , 2001 , 13, 376	7.9	2

