

CITATION REPORT

List of articles citing

Comparison of MR imaging against physical sectioning to estimate the volume of human cerebral compartments

DOI: 10.1016/s1053-8119(02)00021-6
NeuroImage, 2003, 18, 505-16.

Source: <https://exaly.com/paper-pdf/35392969/citation-report.pdf>

Version: 2024-04-23

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

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

#	Paper	IF	Citations
110	Application of a B-spline active surface technique to the measurement of cervical cord volume in multiple sclerosis from three-dimensional MR images. 2003 , 18, 368-71		21
109	Quantification of tumour response to radiotherapy. 2004 , 77, 405-13		10
108	Precision of the fractionator from Cavalieri designs. 2004 , 213, 205-11		21
107	Improved variance prediction for systematic sampling on R. 2004 , 38, 243-272		28
106	Use of frozen sections to determine neuronal number in the murine hippocampus and neocortex using the optical disector and optical fractionator. 2004 , 14, 45-57		67
105	The use and benefit of stereology in choosing a CT scanning protocol for the lung. 2005 , 5747, 667		
104	A review of the article: Comments on the shortcomings of predicting the precision of Cavalieri volume estimates based upon assumed measurement functions, by Edmund Glaser. 2005 , 218, 6-8		8
103	Comments on the shortcomings of predicting the precision of Cavalieri volume estimates based upon assumed measurement functions. 2005 , 218, 1-5; discussion 6-8		7
102	Bootstrap methods for statistical inference from stereological estimates of volume fraction. 2005 , 218, 160-70		7
101	Item recognition is less impaired than recall and associative recognition in a patient with selective hippocampal damage. 2005 , 15, 203-15		115
100	The influence of chronic exposure to antipsychotic medications on brain size before and after tissue fixation: a comparison of haloperidol and olanzapine in macaque monkeys. 2005 , 30, 1649-61		304
99	Automatic analysis of cerebral asymmetry: an exploratory study of the relationship between brain torque and planum temporale asymmetry. <i>NeuroImage</i> , 2005 , 24, 678-91	7.9	90
98	Assessment of in vivo MR imaging compared to physical sections in vitro—a quantitative study of brain volumes using stereology. <i>NeuroImage</i> , 2005 , 26, 57-65	7.9	34
97	Prenatal protracted irradiation at very low dose rate induces severe neuronal loss in rat hippocampus and cerebellum. 2005 , 130, 935-48		29
96	Design-based stereology in neuroscience. 2005 , 130, 813-31		544
95	No postnatal doubling of number of neurons in human Broca's areas (Brodmann areas 44 and 45)? A stereological study. 2005 , 136, 715-28		29
94	Left-right asymmetry in volume and number of neurons in adult Broca's area. 2006 , 42, 652-8		58

93	Total number of neurons in the habenular nuclei of the rat epithalamus: a stereological study. 2006 , 208, 577-85	10
92	Confidence intervals in Cavalieri sampling. 2006 , 222, 146-57	10
91	A general variance predictor for Cavalieri slices. 2006 , 222, 158-65	21
90	Editorial introduction of papers. 2006 , 222, 143-145	2
89	Prediction of the variance of stereological volume estimates from systematic sections using computer-intensive methods. 2006 , 222, 166-76	4
88	Severe alcohol-induced neuronal deficits in the hippocampus and neocortex of neonatal mice genetically deficient for neuronal nitric oxide synthase (nNOS). 2006 , 499, 290-305	23
87	Design-based sampling and quantitation of the respiratory airways. 2006 , 34, 286-95	19
86	Enhanced relative BOLD signal changes in T(2)-weighted stimulated echoes. 2007 , 58, 754-62	14
85	Effects of sex and age on regional prefrontal brain volume in two human cohorts. 2007 , 25, 307-18	43
84	Sulcal variability, stereological measurement and asymmetry of Broca's area on MR images. 2007 , 211, 534-55	76
83	A disproportionate role for the fornix and mammillary bodies in recall versus recognition memory. 2008 , 11, 834-42	212
82	TIPIT: a randomised controlled trial of thyroxine in preterm infants under 28 weeks gestation: magnetic resonance imaging and magnetic resonance angiography protocol. 2008 , 8, 26	4
81	[Stereology as a tool to estimate brain volume and cortical atrophy in elders with dementia]. 2008 , 43, 32-43	4
80	Numerical quantification of Perkinsus marinus in the American oyster Crassostrea virginica (Gmelin, 1791) (Mollusca: Bivalvia) by modern stereology. 2008 , 94, 125-36	3
79	Memory loss resulting from fornix and septal damage: impaired supra-span recall but preserved recognition over a 24-hour delay. 2008 , 22, 658-668	29
78	The frequency and extent of mammillary body atrophy associated with surgical removal of a colloid cyst. <i>American Journal of Neuroradiology</i> , 2009 , 30, 736-43	4.4 20
77	Temporal lobe changes in early, untreated Parkinson's disease. 2009 , 24, 1949-54	57
76	Confidence intervals for the volume of brain structures in Cavalieri sampling with local errors. 2009 , 179, 71-7	16

75	White matter loss in healthy ageing: a postmortem analysis. 2009 , 30, 1288-95	43
74	Quantitative MRI of the prefrontal cortex and executive function in patients with temporal lobe epilepsy. 2009 , 15, 186-95	86
73	Orbital prefrontal cortex volume correlates with social cognitive competence. 2010 , 48, 3554-62	100
72	Nondestructive, stereological estimation of canopy surface area. 2010 , 66, 159-68	6
71	Quantitative assessment of brain volumes in fish: comparison of methodologies. 2010 , 76, 261-70	23
70	Can the language-dominant hemisphere be predicted by brain anatomy?. 2011 , 23, 2013-29	53
69	The posterior parahippocampal gyrus is preferentially affected in age-related memory decline. 2011 , 32, 1572-8	23
68	Comparison of three methods for the estimation of the pituitary gland volume using magnetic resonance imaging: a stereological study. 2011 , 14, 31-8	27
67	Assessment of in vivo calculation with ultrasonography compared to physical sections in vitro: a stereological study of prostate volumes. 2011 , 86, 78-85	6
66	Association of placental volume measured by MRI and birth weight percentile. 2011 , 34, 1125-30	30
65	Distribution estimators and confidence intervals for stereological volumes. 2011 , 98, 417-431	5
64	Orbital prefrontal cortex volume predicts social network size: an imaging study of individual differences in humans. 2012 , 279, 2157-62	109
63	Histological organization is similar in human vocal muscle and tongue--a study of muscles and nerves. 2012 , 26, 811.e19-26	9
62	Volume estimation of the thalamus using freesurfer and stereology: consistency between methods. 2012 , 10, 341-50	55
61	Comparison of three methods for the estimation of pineal gland volume using magnetic resonance imaging. 2012 , 2012, 123412	11
60	Surface Area Estimation: A Brief Review. 2012 , 10,	1
59	A comparative analysis between ultrasonometry and computer-aided tomography to evaluate bone healing. 2012 , 30, 1076-82	10
58	Sulcal morphology and volume of Broca's area linked to handedness and sex. 2012 , 121, 206-18	14

57	Impairment in material-specific long-term memory following unilateral mediodorsal thalamic damage and presumed partial disconnection of the mammillo-thalamic tract. 2012 , 6, 119-40	16
56	Neurotrophin-4 regulates the survival of gustatory neurons earlier in development using a different mechanism than brain-derived neurotrophic factor. 2012 , 365, 50-60	18
55	Sexual dimorphism in the human vocal fold innervation. 2013 , 27, 267-72	5
54	Application of stereological methods to estimate post-mortem brain surface area using 3T MRI. 2013 , 31, 456-65	8
53	Morphology of fetal vocal fold and associated structures. 2013 , 27, 5-10	8
52	Cutaneous innervation of the human face as assessed by skin biopsy. 2013 , 222, 161-9	43
51	STEREOLOGICAL EVALUATION OF BRAIN MAGNETIC RESONANCE IMAGES OF SCHIZOPHRENIC PATIENTS. 2013 , 32, 145	
50	Stereological Estimation of Brain Volume and Surface Area from MR Images. 2013 , 1-26	
49	Tomografia computadorizada de mastocitomas em cães: avaliação pré e pós-tratamento quimioterápico. 2013 , 33, 1349-1356	1
48	Quantification of nanoparticles at the single-cell level: an overview about state-of-the-art techniques and their limitations. 2014 , 9, 1885-900	52
47	Sampling theory and automated simulations for vertical sections, applied to human brain. 2014 , 253, 119-50	7
46	Different association between intentionality competence and prefrontal volume in left- and right-handers. 2014 , 54, 63-76	18
45	Strain and sex differences in puberty onset and the effects of THC administration on weight gain and brain volumes. 2015 , 305, 328-42	19
44	Part II: Strain- and sex-specific effects of adolescent exposure to THC on adult brain and behaviour: Variants of learning, anxiety and volumetric estimates. 2015 , 288, 132-52	25
43	Manual Morphometry. 2015 , 333-343	
42	Selected Gray Matter Volumes and Gender but Not Basal Ganglia nor Cerebellum Gyri Discriminate Left Versus Right Cerebral Hemispheres: Multivariate Analyses in human Brains at 3T. 2015 , 298, 1336-46	6
41	Structural and physiological MRI correlates of occult cerebrovascular disease in late-onset epilepsy. 2015 , 9, 128-33	17
40	Variation in Brain Morphology of Intertidal Gobies: A Comparison of Methodologies Used to Quantitatively Assess Brain Volumes in Fish. 2015 , 85, 245-56	16

39	Strain and sex differences in brain and behaviour of adult rats: Learning and memory, anxiety and volumetric estimates. 2015 , 288, 118-31	43
38	Propositions for Confidence Interval in Systematic Sampling on Real Line. 2016 , 18, 352	1
37	The number of striatal cholinergic interneurons expressing calretinin is increased in parkinsonian monkeys. 2016 , 95, 46-53	11
36	Comparison of the planimetry and point-counting methods for estimating kidney volume using magnetic resonance imaging. 2016 , 65, 95-100	
35	Differential effect of lithium on cell number in the hippocampus and prefrontal cortex in adult mice: a stereological study. 2016 , 18, 41-51	27
34	Efficacy of Combined Use of Different Nickel-Titanium Files on Removing Root Canal Filling Materials. 2016 , 42, 487-92	10
33	Assessment of the ABC/2 Method of Epidural Hematoma Volume Measurement as Compared to Computer-Assisted Planimetric Analysis. 2016 , 18, 5-11	21
32	Changes in brain entropy are related to abstract temporal topology: Comment on "Topodynamics of metastable brains" by Arturo Tozzi et al. 2017 , 21, 21-22	1
31	Effect of Skull Type on the Relative Size of Cerebral Cortex and Lateral Ventricles in Dogs. 2017 , 4, 30	8
30	Which Method is Gold Standard for Determination of Thyroid Volume?. 2017 , 35, 452-458	2
29	Elevation of brain-enriched miRNAs in cerebrospinal fluid of patients with acute ischemic stroke. 2017 , 5, 24	44
28	A comparative study of segmentation techniques for the quantification of brain subcortical volume. 2018 , 12, 1678-1695	46
27	A postmortem stereological study of the amygdala in Williams syndrome. 2018 , 223, 1897-1907	11
26	Octyl gallate reduces ATP levels and Ki67 expression leading HepG2 cells to cell cycle arrest and mitochondria-mediated apoptosis. 2018 , 48, 11-25	19
25	A concise review of optical, physical and isotropic fractionator techniques in neuroscience studies, including recent developments. 2018 , 310, 45-53	14
24	A stereological study on calculation of volume values regarding lumbosacral segments of quails. 2019 , 48, 164-174	3
23	Effects of oil on ovarian volume, oxidant systems, XIAP and NF-kB expression in an experimental model of diabetes. 2019 , 94, 325-333	5
22	The volume fraction values of the brain compartments using the Cavalieri principle and a 3T MRI in brachycephalic and mesocephalic dogs. 2019 , 64, 482-489	1

21	Diffusion Magnetic Resonance Imaging Unveils the Spatiotemporal Microstructural Gray Matter Changes following Injury in the Rodent Brain. 2019 , 36, 1306-1317		8
20	A stereological analysis on the calculation of the volume values of thoracic segments in ducks. 2020 , 49, 17-24		2
19	A morphological and stereological study on brain, cerebral hemispheres and cerebellum of New Zealand rabbits. 2020 , 49, 90-96		5
18	Relationship Between N-Terminal Probrain Natriuretic Peptide (NT-Pro BNP) Level, Infarct Type and Infarct Volume in Ischemic Cerebrovascular Disease. 2020 , 3, 100-105		0
17	Embryonic microglia influence developing hypothalamic glial populations. 2020 , 17, 146		11
16	Systemic treatment with human amnion epithelial cells after experimental traumatic brain injury. 2020 , 5, 100072		1
15	Properties of a bovine collagen type I membrane for guided bone regeneration applications. 2021 , 21, 210-221		5
14	The density of calretinin striatal interneurons is decreased in 6-OHDA-lesioned mice. 2021 , 226, 1879-1891		
13	A case study from neuroscience involving stereology and multivariate analysis. 2004 , 16-64		6
12	Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). <i>F1000Research</i> , 2017 , 6, 1827	3.6	5
11	Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). <i>F1000Research</i> , 2017 , 6, 1827	3.6	5
10	Phase I trial of convection-enhanced delivery of IL13-Pseudomonas toxin in children with diffuse intrinsic pontine glioma. <i>Journal of Neurosurgery: Pediatrics</i> , 2018 , 23, 333-342	2.1	37
9	Desenvolvimento e desempenho de um fixador flexível na consolidação de fraturas diafisárias transversais provocadas iatrogenicamente na tibia de carneiros. <i>Ciencia Rural</i> , 2011 , 41, 1036-1042	1.3	
8	Stage 1 Registered Report: Effect of deficient phagocytosis on neuronal survival and neurological outcome after temporary middle cerebral artery occlusion (tMCAo). <i>F1000Research</i> , 6, 1827	3.6	1
7	Hemîh Koyunlarînda Metapodiumîbrî Morfometrik ve Stereolojik încelenmesi. <i>Mehmet Akif Ersoy îiversitesi Saîk Bilimleri Enstitî Dergisi</i> , 2018 , 6, 1-14	0.3	0
6	Yenidoîn kadavralarînda karaciîr hacminin stereolojik olarak hesaplanmasî. <i>Cukurova Medical Journal</i> , 2020 , 45, 223-231	0.1	
5	Degree of hippocampal atrophy is related to side of seizure onset in temporal lobe epilepsy. <i>American Journal of Neuroradiology</i> , 2006 , 27, 1046-52	4.4	27
4	The effects of different herbals on the rat hippocampus exposed to electromagnetic field for one hour during the prenatal period. <i>Journal of Chemical Neuroanatomy</i> , 2021 , 119, 102043	3.2	1

3 A new method and tool for volumetric estimation of brain structures after serial sectioning.

2 Age-related tolerance to paraquat-induced parkinsonism in *Drosophila melanogaster*.. *Toxicology Letters*, **2022**,

4-4 ○

1 Increased volume of cerebral oedema is associated with risk of acute seizure activity and adverse neurological outcomes in encephalitis [regional and volumetric analysis in a multi-centre cohort. **2022**, **22**,

○