

Bunyamin Sahin

List of Publications by Year in descending order

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72
papers

1,575
citations

236925

25
h-index

330143

37
g-index

72
all docs

72
docs citations

72
times ranked

1510
citing authors

#	ARTICLE	IF	CITATIONS
1	Unbiased estimation of the liver volume by the Cavalieri principle using magnetic resonance images. European Journal of Radiology, 2003, 47, 164-170.	2.6	113
2	Volumetric evaluation of the paranasal sinuses in normal subjects using computer tomography images: A stereological study. Auris Nasus Larynx, 2007, 34, 191-195.	1.2	103
3	BRAIN VOLUMES OF THE LAMB, RAT AND BIRD DO NOT SHOW HEMISPHERIC ASYMMETRY: A STEREOLOGICAL STUDY. Image Analysis and Stereology, 2001, 20, 9.	0.9	69
4	Rapid estimation of the vertebral body volume: a combination of the Cavalieri principle and computed tomography images. European Journal of Radiology, 2003, 48, 316-326.	2.6	68
5	Assessment of the optimum section thickness for the estimation of liver volume using magnetic resonance images: A stereological gold standard study. European Journal of Radiology, 2006, 57, 96-101.	2.6	68
6	Comparison of four methods for the estimation of intracranial volume: A gold standard study. Clinical Anatomy, 2007, 20, 766-773.	2.7	52
7	The average values of the nasal anthropometric measurements in 108 young Turkish males. Auris Nasus Larynx, 2006, 33, 31-35.	1.2	51
8	Comparison of Three Methods for the Estimation of Total Intracranial Volume. Annals of Plastic Surgery, 2007, 58, 48-53.	0.9	51
9	Neonatal pinealectomy induces Purkinje cell loss in the cerebellum of the chick: A stereological study. Brain Research, 2006, 1067, 95-102.	2.2	50
10	Comparison of quadriceps muscle volume after unilateral total knee arthroplasty with and without tourniquet use. Knee Surgery, Sports Traumatology, Arthroscopy, 2016, 24, 2595-2605.	4.2	49
11	Comparison of point counting and planimetry methods for the assessment of cerebellar volume in human using magnetic resonance imaging: a stereological study. Surgical and Radiologic Anatomy, 2008, 30, 335-339.	1.2	48
12	A simple technique to measure the movements of the microscope stage along the x and y axes for stereological methods. Journal of Microscopy, 2001, 203, 321-325.	1.8	43
13	Volumetric evaluation of the relations among the cerebrum, cerebellum and brain stem in young subjects: a combination of stereology and magnetic resonance imaging. Surgical and Radiologic Anatomy, 2008, 30, 489-494.	1.2	40
14	Chapter 2 Development of the Peripheral Nerve. International Review of Neurobiology, 2009, 87, 9-26.	2.0	40
15	Effect of prenatal exposure to diclofenac sodium on Purkinje cell numbers in rat cerebellum: A stereological study. Brain Research, 2007, 1174, 130-135.	2.2	39
16	Estimation of Breast Prosthesis Volume by the Cavalieri Principle Using Magnetic Resonance Images. Aesthetic Plastic Surgery, 2004, 28, 275-280.	0.9	38
17	A new approach for the estimation of intervertebral disc volume using the Cavalieri principle and computed tomography images. Clinical Neurology and Neurosurgery, 2005, 107, 282-288.	1.4	36
18	Postoperative Lung Volume Change Depending on the Resected Lobe. Thoracic and Cardiovascular Surgeon, 2013, 61, 131-137.	1.0	36

#	ARTICLE	IF	CITATIONS
19	The effects of section thickness on the estimation of liver volume by the Cavalieri principle using computed tomography images. <i>European Journal of Radiology</i> , 2005, 56, 391-397.	2.6	32
20	A practical method for the estimation of vitiligo surface area: a comparison between the point counting and digital planimetry techniques. <i>European Journal of Dermatology</i> , 2007, 17, 30-2.	0.6	32
21	Estimation of the amniotic fluid volume using the Cavalieri method on ultrasound images. <i>International Journal of Gynecology and Obstetrics</i> , 2003, 82, 25-30.	2.3	29
22	Stereological Estimation of the Orbital Volume. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 921-925.	0.7	28
23	Estimation of numerical density and mean synaptic height in chick hippocampus 24 and 48 hours after passive avoidance training. <i>Developmental Brain Research</i> , 2002, 136, 135-144.	1.7	27
24	An efficient stereological sampling approach for quantitative assessment of nerve regeneration. <i>Neuropathology and Applied Neurobiology</i> , 2008, 34, 638-649.	3.2	27
25	Stereological evaluation of the volume and volume fraction of intracranial structures in magnetic resonance images of patients with Alzheimer's disease. <i>Annals of Anatomy</i> , 2009, 191, 186-195.	1.9	27
26	Dependence of computed tomography volume measurements upon section thickness: An application to human dry skulls. <i>Clinical Anatomy</i> , 2008, 21, 479-485.	2.7	24
27	Effect of haloperidol on the numeric density of neurons and nuclear height in the rat hippocampus: A stereological and histopathological study. <i>Neuroscience Research Communications</i> , 2004, 34, 1-9.	0.2	21
28	Effects of low-dose oxcarbazepine administration on developing cerebellum in newborn rat: A stereological study. <i>Neuroscience Research Communications</i> , 2004, 34, 28-36.	0.2	21
29	A stereological study of MRI and the Cavalieri principle combined for diagnosis and monitoring of brain tumor volume. <i>Journal of Clinical Neuroscience</i> , 2010, 17, 1499-1502.	1.5	21
30	Relation between Intracranial Volume and the Surface Area of the Foramen Magnum. <i>Journal of Craniofacial Surgery</i> , 2006, 17, 326-330.	0.7	20
31	Stereological evaluation of volumetric asymmetry in healthy human cerebellum. <i>Surgical and Radiologic Anatomy</i> , 2009, 31, 177-181.	1.2	20
32	Therapeutic Effects of Intracarotid Infusion of Spermine/Nitric Oxide Complex on Cerebral Vasospasm. <i>Acta Neurochirurgica</i> , 2002, 144, 921-928.	1.7	18
33	Unbiased Estimation of the Eyeball Volume Using the Cavalieri Principle on Computed Tomography Images. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 233-237.	0.7	18
34	The estimation of the volume of sheep mandibular defects using cone-beam computed tomography images and a stereological method. <i>Dentomaxillofacial Radiology</i> , 2011, 40, 165-169.	2.7	18
35	Sex estimation using sternum part lengths by means of artificial neural networks. <i>Forensic Science International</i> , 2019, 301, 6-11.	2.2	17
36	Prediction of Prognosis in Patients with Epidural Hematoma by a New Stereological Method. <i>Tohoku Journal of Experimental Medicine</i> , 2007, 211, 235-242.	1.2	14

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37	The Effect of Slice Thickness on the Assessment of Bone Defect Volumes by the Cavalieri Principle Using Cone Beam Computed Tomography. <i>Journal of Digital Imaging</i> , 2013, 26, 115-118.	2.9	14
38	Volumetric analysis of the subthalamic and red nuclei based on magnetic resonance imaging in patients with Parkinson's disease. <i>International Journal of Neuroscience</i> , 2014, 124, 291-295.	1.6	14
39	The volume fraction method for the evaluation of kidney: A stereological study. <i>Ankara Universitesi Veteriner Fakultesi Dergisi</i> , 2009, 50, 233-239.	1.0	13
40	Increased Laterality of the Thalamus in Children and Adolescents with Asperger's Disorder: An MRI and Proton Spectroscopy Study. <i>Psychiatry Investigation</i> , 2014, 11, 237.	1.6	11
41	Volumetric evaluation of the lung expansion following resection: a stereological study. <i>European Journal of Cardio-thoracic Surgery</i> , 2007, 31, 512-517.	1.4	10
42	Stereological analysis of sciatic nerve in chickens following neonatal pinealectomy: an experimental study. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2014, 05, e50-e56.	1.0	10
43	Two rare arterial variations of the deep femoral artery in the newborn. <i>Surgical and Radiologic Anatomy</i> , 1998, 20, 233-235.	1.2	9
44	A new evaluation method for the intracranial volume changes and subdural effusion of patients following endoscopic third ventriculostomy. <i>Clinical Neurology and Neurosurgery</i> , 2013, 115, 160-164.	1.4	9
45	Stereologic Orbital Volume Measurements in Zygomatic Fractures. <i>Journal of Oral and Maxillofacial Surgery</i> , 2009, 67, 2605-2608.	1.2	8
46	Numerical density of pyramidal neurons in the hippocampus of 4 and 20 week old male and female rats. <i>Neuroscience Research Communications</i> , 2003, 32, 37-48.	0.2	7
47	A stereological estimation of total neuron number and volume of the hippocampus at one and seven day-old chicks. <i>Neuroscience Research Communications</i> , 2002, 31, 29-38.	0.2	6
48	Effects of Constant Lightness, Darkness and Parachlorophenylalanine Treatment on Tail Regeneration in the Lizard <i>Ophisops elegans macrodactylus</i> : Macroscopic, Biochemical and Histological Changes. <i>Journal of Veterinary Medicine Series C: Anatomia Histologia Embryologia</i> , 2006, 35, 155-161.	0.7	5
49	Comparison of the planimetry and point-counting methods for the assessment of the size of the mandible cysts on orthopantomograms. <i>Medicina Oral, Patologia Oral Y Cirugia Bucal</i> , 2012, 17, e442-e446.	1.7	5
50	The Effect of Minimally Invasive Surgical Repair on the Lung Volumes of Patients with Pectus Excavatum. <i>Thoracic and Cardiovascular Surgeon</i> , 2014, 62, 226-230.	1.0	5
51	Quantitative analysis of the amygdala, thalamus and hippocampus on magnetic resonance images in paediatric bipolar disorders and compared with the children of bipolar parents and healthy control. <i>Psychiatry Research - Neuroimaging</i> , 2017, 270, 61-67.	1.8	5
52	Relationship between tumorsize of malignant pleural mesothelioma and its response to chemotherapy. <i>Journal of Health Science</i> , 2007, 53, 23-30.	0.9	4
53	Assessment of Left Ventricular Function and Mass by MR Imaging:. <i>Academic Radiology</i> , 2011, 18, 738-744.	2.5	4
54	Alternative approach to evaluating lumbar lordosis on direct roentgenograms: Projection area per length squared. <i>Anatomical Science International</i> , 2008, 83, 83-88.	1.0	3

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55	New method for estimating the volume and volume fractions of the nasal structures in the goose (<i>Anser anser domesticus</i>) using computed tomography images. <i>British Poultry Science</i> , 2013, 54, 441-446.	1.7	3
56	Comparison of Cerebellar Volume Between Subjects with Bilateral Congenital Blindness and Healthy Individuals. <i>International Journal of Morphology</i> , 2013, 31, 239-245.	0.2	3
57	Determination of Lateral Ventricle and Brain Volume in Children with Stereological Method Using MRI. <i>International Journal of Morphology</i> , 2013, 31, 211-216.	0.2	3
58	A deep femoral artery passing in front of the femoral vein. <i>Folia Morphologica</i> , 2003, 62, 143-6.	0.8	3
59	The Effects of Venous Ischaemia on the Subependymal and Choroid Plexus Morphology in Rat. <i>Minimally Invasive Neurosurgery</i> , 2005, 48, 361-364.	0.9	2
60	A New Method of Assessing the Size of Mandibular Cysts on Orthopantomograms. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 2020-2023.	0.7	2
61	The effects of stabilization splint treatment on the volume of masseter muscle in sleep bruxism patients. <i>Cranio - Journal of Craniomandibular Practice</i> , 2018, 36, 1-8.	1.4	2
62	The estimation of bone cyst volume using the Cavalieri principle on computed tomography images. <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901877237.	1.0	2
63	Morphometric Analysis of Hemicerebellar Asymmetry with Central Vertigo Cases: A Stereological Study. <i>International Journal of Morphology</i> , 2010, 28, .	0.2	1
64	Examination of the Relationship Between Average Plaque Volume and Clinical and Demographic Characteristics in Multiple Sclerosis Patients Using a Stereological Method. <i>International Journal of Neuroscience</i> , 2011, 121, 366-372.	1.6	1
65	STEREOLOGICAL EVALUATION OF BRAIN MAGNETIC RESONANCE IMAGES OF SCHIZOPHRENIC PATIENTS. <i>Image Analysis and Stereology</i> , 2013, 32, 145.	0.9	1
66	Photographic Nasal Soft Tissue Analysis From Preadolescence to Young Adulthood. <i>Journal of Craniofacial Surgery</i> , 2021, Publish Ahead of Print, .	0.7	1
67	Evaluation of the Volumetric Relation Between Cranial Cavity and Orbits. <i>Turkiye Klinikleri Journal of Medical Sciences</i> , 2011, 31, 297-299.	0.1	1
68	Does the sagittal plane kyphosis describe destruction of the affected intervertebral disc?. <i>Injury</i> , 2004, 35, 211.	1.7	0
69	A comparison of lateral ventricle volume estimation on magnetic resonance and cadaveric section images using the planimetry method. <i>Journal of Clinical Neuroscience</i> , 2019, 64, 264-268.	1.5	0
70	Anthropometry of the Intracranial Volume. , 2012, , 517-529.		0
71	Curved length morphometry of the ear external canal as a diagnostic tool for otitis media. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
72	Quantitative analysis of straight length of the external ear. <i>FASEB Journal</i> , 2022, 36, .	0.5	0