

Im Joo Rhyu

List of Publications by Year in descending order

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141
papers

2,752
citations

186209

28
h-index

223716

46
g-index

144
all docs

144
docs citations

144
times ranked

6828
citing authors

#	ARTICLE	IF	CITATIONS
1	Cerebral Cortex Changes in Basketball Players. Journal of Korean Medical Science, 2022, 37, e86.	1.1	2
2	Complications of Nasopharyngeal Swabs and Safe Procedures for COVID-19 Testing Based on Anatomical Knowledge. Journal of Korean Medical Science, 2022, 37, e88.	1.1	12
3	Production of human spinal-cord organoids recapitulating neural-tube morphogenesis. Nature Biomedical Engineering, 2022, 6, 435-448.	11.6	40
4	Optimal placement for needle electromyography of the supinator muscle: Cadaveric studies. Muscle and Nerve, 2022, , .	1.0	1
5	Ultrasound-Guided Injection of the Sternocleidomastoid Muscle: A Cadaveric Study with Implications for Chemodenervation. PM and R, 2021, 13, 503-509.	0.9	4
6	Adaptations in Anatomy Education during COVID-19. Journal of Korean Medical Science, 2021, 36, e13.	1.1	71
7	Lessons from Cadaver Dissection during the COVID-19 Pandemic. Journal of Korean Medical Science, 2021, 36, e188.	1.1	3
8	Down-regulation of habenular calcium-dependent secretion activator 2 induces despair-like behavior. Scientific Reports, 2021, 11, 3700.	1.6	7
9	Which Approach Is Most Optimal for Needle Electromyographic Examination of the Biceps Femoris Short Head: Medial or Lateral?. Annals of Rehabilitation Medicine, 2021, 45, 42-48.	0.6	1
10	Oral Commissure Lift: A Retrospective Analysis of Complication Rates and Overall Outcomes. Aesthetic Plastic Surgery, 2021, , 1.	0.5	1
11	Transplantation of 3D bio-printed cardiac mesh improves cardiac function and vessel formation via ANGPT1/Tie2 pathway in rats with acute myocardial infarction. Biofabrication, 2021, 13, 045014.	3.7	12
12	LEFTY-PITX2 signaling pathway is critical for generation of mature and ventricular cardiac organoids in human pluripotent stem cell-derived cardiac mesoderm cells. Biomaterials, 2021, 278, 121133.	5.7	8
13	Gustav Klimt's "The Kiss" Art and the Biology of Early Human Development. JAMA - Journal of the American Medical Association, 2021, 326, 1778.	3.8	1
14	Leonardo da Vinci, a Pioneer of the Sectional Anatomy. Anatomy & Biological Anthropology, 2021, 34, 111.	0.1	0
15	A simple morphometric analysis method for dermal microstructure using color thresholding and moments. Skin Research and Technology, 2020, 26, 132-136.	0.8	16
16	Inhibition of Renal Stellate Cell Activation Reduces Renal Fibrosis. Biomedicines, 2020, 8, 431.	1.4	5
17	An anatomical neurovascular study for procedures targeting peri-articular nerves in patients with anterior knee pain. Knee, 2020, 27, 1577-1584.	0.8	7
18	Incision cutanée arciforme pour la transposition du nerf ulnaire dans le syndrome du tunnel cubital: Étude cadavérique et clinique afin de prévenir les lésions du nerf cutané medial. Revue De Chirurgie Orthopedique Et Traumatologique, 2020, 106, 416.	0.0	0

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19	Anteroposterior Wnt-RA Gradient Defines Adhesion and Migration Properties of Neural Progenitors in Developing Spinal Cord. <i>Stem Cell Reports</i> , 2020, 15, 898-911.	2.3	10
20	An assessment method for dermal structures using cross-polarized light imaging with a green light-emitting diode. <i>Skin Research and Technology</i> , 2020, 26, 932-936.	0.8	0
21	Generation of homogeneous midbrain organoids with in vivo-like cellular composition facilitates neurotoxin-based Parkinson's disease modeling. <i>Stem Cells</i> , 2020, 38, 727-740.	1.4	64
22	Isocitrate dehydrogenase 2 protects mice from high-fat diet-induced metabolic stress by limiting oxidative damage to the mitochondria from brown adipose tissue. <i>Experimental and Molecular Medicine</i> , 2020, 52, 238-252.	3.2	32
23	Curved skin incision for Ulnar nerve transposition in Cubital Tunnel Syndrome: Cadaveric and clinical study to avoid injury of medial cutaneous nerve. <i>Orthopaedics and Traumatology: Surgery and Research</i> , 2020, 106, 757-763.	0.9	2
24	Differential synapse density between Purkinje cell dendritic spine and parallel fiber varicosity in the rat cerebellum among the phylogenetic lobules. <i>Applied Microscopy</i> , 2020, 50, 6.	0.8	2
25	Extracorporeal shockwave therapy enhances peripheral nerve remyelination and gait function in a crush model. <i>Advances in Clinical and Experimental Medicine</i> , 2020, 29, 819-824.	0.6	7
26	Different types of multiple synapse boutons in the cerebellar cortex between physically enriched and ataxic mutant mice. <i>Microscopy Research and Technique</i> , 2019, 82, 25-32.	1.2	10
27	Arthroscopic-assisted anatomical reconstruction of the posterolateral corner of the knee joint. <i>Knee</i> , 2019, 26, 1136-1142.	0.8	9
28	Bergman glial cell morphology under the high voltage Electron microscope. <i>Applied Microscopy</i> , 2019, 49, 5.	0.8	0
29	A cadaveric study for the volar needle approach to the pronator quadratus using the palmaris longus tendon landmark. <i>Muscle and Nerve</i> , 2019, 60, 582-585.	1.0	3
30	Impacts of GFP-FoxP3+ regulatory T cells on lupus hallmarks differ by genetic background and type of GFP knock-in. <i>Autoimmunity</i> , 2019, 52, 199-207.	1.2	2
31	High-Performance Acellular Tissue Scaffold Combined with Hydrogel Polymers for Regenerative Medicine. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3462-3474.	2.6	18
32	The Third East-Asia Microscopy Conference (EAMC3). <i>Microscopy Research and Technique</i> , 2019, 82, 3-3.	1.2	0
33	Tissue-Clearing Technique and Cutaneous Nerve Biopsies: Quantification of the Intraepidermal Nerve-Fiber Density Using Active Clarity Technique-Pressure Related Efficient and Stable Transfer of		

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37	Anatomical Courses of Lateral Antebrachial and Medial Antebrachial Cutaneous Nerves: A Cadaveric		
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55	Connexin 43 is required for the maintenance of mitochondrial integrity in brown adipose tissue. <i>Scientific Reports</i> , 2017, 7, 7159.	1.6	46
56	A Method of Radial Nerve Length Measurement Based on Cadaveric Investigation. <i>Archives of Physical Medicine and Rehabilitation</i> , 2017, 98, 596-599.	0.5	3
57	Changes in ankle joint motion after Supramalleolar osteotomy: a cadaveric model. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 389.	0.8	5
58	Electron-Microscope Contributions to Autophagy Research and the Nobel Prize in Physiology or Medicine 2016. <i>Applied Microscopy</i> , 2017, 47, 1-2.	0.8	1
59	High Voltage Electron Microscopic Image of Red Blood Cell in the Blood Vessel of Mouse Brain. <i>Applied Microscopy</i> , 2017, 47, 75-76.	0.8	0
60	Morphologic Changes of Zebrafish Melanophore after Intense Pulsed Light and Q-Switched Nd:YAG Laser Irradiation. <i>Annals of Dermatology</i> , 2016, 28, 711.	0.3	2
61	Comments on "Anatomical Achievement and Thought of Leonardo da Vinci" published in <i>Korean Journal of Physical Anthropology</i> (Vol. 29. No. 2: 35-46, 2016). <i>Korean Journal of Physical Anthropology</i> , 2016, 29, 129.	0.2	1
62	ACT-PRESTO: Rapid and consistent tissue clearing and labeling method for 3-dimensional (3D) imaging. <i>Scientific Reports</i> , 2016, 6, 18631.	1.6	186
63	Clinical advantages of image-free navigation system using surface-based registration in anatomical anterior cruciate ligament reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 3556-3564.	2.3	8
64	Can Bassett's ligament be removed?. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 1236-1242.	2.3	8
65	Sudden appearance of black macules on palmar aspect of two university chemistry students. <i>International Journal of Dermatology</i> , 2016, 55, e167-9.	0.5	1
66	All-inside arthroscopic modified Broström operation for chronic ankle instability: a biomechanical study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 1096-1100.	2.3	45
67	Axin is expressed in mitochondria and suppresses mitochondrial ATP synthesis in HeLa cells. <i>Experimental Cell Research</i> , 2016, 340, 12-21.	1.2	16
68	Safe Zone for Medial Open-Wedge Supramalleolar Osteotomy of the Ankle. <i>Foot and Ankle International</i> , 2016, 37, 102-108.	1.1	21
69	Anatomic Characteristics of Pronator Quadratus Muscle: A Cadaver Study. <i>Annals of Rehabilitation Medicine</i> , 2016, 40, 496.	0.6	15
70	Electrophoretic Tissue Clearing and Labeling Methods for Volume Imaging of Whole Organs. <i>Applied Microscopy</i> , 2016, 46, 134-139.	0.8	1
71	How to Get Well-Preserved Samples for Transmission Electron Microscopy. <i>Applied Microscopy</i> , 2016, 46, 188-192.	0.8	17
72	The Putamen and Caudate Nucleus Volume in Korean Youth by MRI Volumetry. <i>Korean Journal of Physical Anthropology</i> , 2016, 29, 121.	0.2	0

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73	The Tip Level of the Conus Medullaris by Magnetic Resonance Imaging and Cadaver Studies in Korean Adults. Korean Journal of Physical Anthropology, 2016, 29, 47.	0.2	1
74	Anatomical Basis for Injection around First Dorsal Compartment of the Wrist: A Fresh Cadaveric Study. Pain Physician, 2016, 19, E893-900.	0.3	1
75	Hydrogen sulfide is essential for Schwann cell responses to peripheral nerve injury. Journal of Neurochemistry, 2015, 132, 230-242.	2.1	31
76	C3-O-01 Three Dimensional Reconstruction of the Nervous System; Some Strategies and Applications on Neuroscience Researches. Microscopy (Oxford, England), 2015, 64, i67.1-i67.	0.7	0
77	White matter plasticity in the cerebellum of elite basketball athletes. Anatomy and Cell Biology, 2015, 48, 262.	0.5	13
78	Combined intense pulsed light and Er:YAG laser treatment of congenital melanocytic nevus. Journal of Cosmetic and Laser Therapy, 2015, 17, 162-164.	0.3	6
79	Effects of body size on cranial capacity in Korean youth. Animal Cells and Systems, 2015, 19, 144-148.	0.8	2
80	<i>UvrA</i> targeting by <i>Mir125a</i> and <i>Mir351</i> modulates autophagy associated with <i>Ewsr1</i> deficiency. Autophagy, 2015, 11, 796-811.	4.3	24
81	Promotion of Remyelination by Sulfasalazine in a Transgenic Zebrafish Model of Demyelination. Molecules and Cells, 2015, 38, 1013-1021.	1.0	21
82	Branching Patterns of Medial and Inferior Calcaneal Nerves Around the Tarsal Tunnel. Annals of Rehabilitation Medicine, 2015, 39, 52.	0.6	12
83	Synapses need coordination to learn motor skills. Reviews in the Neurosciences, 2014, 25, 223-30.	1.4	6
84	3D reconstruction of skin pathological tissue: the understanding of microrelief pattern and dermal ridge. Skin Research and Technology, 2014, 20, 213-217.	0.8	3
85	An inside-out vein graft filled with platelet-rich plasma for repair of a short sciatic nerve defect in rats. Neural Regeneration Research, 2014, 9, 1351.	1.6	39
86	Electron Tomography and Synapse Study. Applied Microscopy, 2014, 44, 83-87.	0.8	4
87	Extraction of Three-Dimensional Information of Biological Membranous Tissue with Scanning Confocal Infrared Laser Microscope Tomography. Microscopy and Microanalysis, 2013, 19, 194-197.	0.2	5
88	Effects of task constraints on obstacle avoidance strategies in patients with cerebellar disease. Gait and Posture, 2013, 37, 521-525.	0.6	6
89	Drp1-mediated mitochondrial dynamics and survival of developing chick motoneurons during the period of normal programmed cell death. FASEB Journal, 2013, 27, 51-62.	0.2	21
90	Motor Skill Training Induces Coordinated Strengthening and Weakening between Neighboring Synapses. Journal of Neuroscience, 2013, 33, 9794-9799.	1.7	42

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91	Rapid Method for Electron Tomographic Reconstruction and Three-Dimensional Modeling of the Murine Synapse Using an Automated Fiducial Marker-Free System. <i>Microscopy and Microanalysis</i> , 2013, 19, 182-187.	0.2	8
92	Three-Dimensional Imaging of Cerebellar Mossy Fiber Rosettes by Ion-Abrasion Scanning Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2013, 19, 172-177.	0.2	6
93	Morphological Diversity of Mitochondria in Cultured Astrocyte, HeLa, COS7 Cells under High Voltage Electron Microscopy. <i>Applied Microscopy</i> , 2013, 43, 117-121.	0.8	1
94	Inositol 1,4,5-Trisphosphate 3-Kinase A Is a Novel Microtubule-associated Protein. <i>Journal of Biological Chemistry</i> , 2012, 287, 15981-15995.	1.6	9
95	Nigericin-induced Impairment of Autophagic Flux in Neuronal Cells Is Inhibited by Overexpression of Bak. <i>Journal of Biological Chemistry</i> , 2012, 287, 23271-23282.	1.6	22
96	Growth patterns for acervuli in human pineal gland. <i>Scientific Reports</i> , 2012, 2, 984.	1.6	15
97	Axin expression reduces staurosporine-induced mitochondria-mediated cell death in HeLa cells. <i>Experimental Cell Research</i> , 2012, 318, 2022-2033.	1.2	12
98	Developmental expression and subcellular distribution of synaptotagmin 11 in rat hippocampus. <i>Neuroscience</i> , 2012, 225, 35-43.	1.1	9
99	Volumetric Analysis of Cerebellum in Short-Track Speed Skating Players. <i>Cerebellum</i> , 2012, 11, 925-930.	1.4	18
100	Efficient and accurate analysis of mitochondrial morphology in a whole cell with a high-voltage electron microscopy. <i>Microscopy (Oxford, England)</i> , 2012, 61, 127-131.	0.7	6
101	Dissociation of Progressive Dopaminergic Neuronal Death and Behavioral Impairments by Bax Deletion in a Mouse Model of Parkinson's Diseases. <i>PLoS ONE</i> , 2011, 6, e25346.	1.1	31
102	Altered branching patterns of Purkinje cells in mouse model for cortical development disorder. <i>Scientific Reports</i> , 2011, 1, 122.	1.6	28
103	Basketball training increases striatum volume. <i>Human Movement Science</i> , 2011, 30, 56-62.	0.6	30
104	Effects of age and gender on spatial orientation of human corpus callosum in healthy Koreans. <i>Animal Cells and Systems</i> , 2011, 15, 274-278.	0.8	0
105	Binding preference of p62 towards LC3-II during dopaminergic neurotoxin-induced impairment of autophagic flux. <i>Autophagy</i> , 2011, 7, 51-60.	4.3	70
106	Modified Fluoroscopic Imaging Technique for the Central Screw Placement in Percutaneous Screw Fixation of Scaphoid Fracture. <i>Journal of Trauma</i> , 2010, 68, 616-619.	2.3	3
107	Developmental characteristics of dendritic spines in the dentate gyrus of Fmr1 knockout mice. <i>Brain Research</i> , 2010, 1355, 221-227.	1.1	65
108	Differential regulation of Purkinje cell dendritic spines in rolling mouse Nagoya (<i>tg^{rol}</i>), P/Q type calcium channel ($\pm 1A/Ca^{v2.1}$) mutant. <i>Anatomy and Cell Biology</i> , 2010, 43, 211.	0.5	16

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109	The expression of non-clustered protocadherins in adult rat hippocampal formation and the connecting brain regions. <i>Neuroscience</i> , 2010, 170, 189-199.	1.1	73
110	No volume difference of medulla oblongata between young and old Korean people. <i>Brain Research</i> , 2009, 1276, 77-82.	1.1	23
111	Experience-Dependent Plasticity of Cerebellar Vermis in Basketball Players. <i>Cerebellum</i> , 2009, 8, 334-339.	1.4	89
112	The maintenance of specific aspects of neuronal function and behavior is dependent on programmed cell death of adult-generated neurons in the dentate gyrus. <i>European Journal of Neuroscience</i> , 2009, 29, 1408-1421.	1.2	40
113	Surface-enhanced Raman scattering imaging of HER2 cancer markers overexpressed in single MCF7 cells using antibody conjugated hollow gold nanospheres. <i>Biosensors and Bioelectronics</i> , 2009, 24, 2260-2263.	5.3	168
114	Differences between brain mass and body weight scaling to height: potential mechanism of reduced mass-specific resting energy expenditure of taller adults. <i>Journal of Applied Physiology</i> , 2009, 106, 40-48.	1.2	27
115	Proteasome Inhibition Promotes Functional Recovery After Peripheral Nerve Reperfusion Injury. <i>Journal of Trauma</i> , 2009, 66, 743-748.	2.3	4
116	Effects of Exercise on Structural and Functional Changes in the Aging Brain. <i>Journal of the Korean Medical Association</i> , 2009, 52, 907.	0.1	5
117	Misplacement of Purkinje Cells during Postnatal Development in Bax Knock-Out Mice: A Novel Role for Programmed Cell Death in the Nervous System?. <i>Journal of Neuroscience</i> , 2008, 28, 2941-2948.	1.7	34
118	Morphological changes in dendritic spines of Purkinje cells associated with motor learning. <i>Neurobiology of Learning and Memory</i> , 2007, 88, 445-450.	1.0	59
119	Bax-dependent and -independent death of motoneurons after facial nerve injury in adult mice. <i>European Journal of Neuroscience</i> , 2007, 26, 1421-1432.	1.2	16
120	Inhibition of rat brain inositol 1,4,5-trisphosphate 3-kinase A expression by kainic acid. <i>Neuroscience Letters</i> , 2006, 392, 181-186.	1.0	5
121	Evaluation of Morphological Plasticity in the Cerebella of Basketball Players with MRI. <i>Journal of Korean Medical Science</i> , 2006, 21, 342.	1.1	18
122	Expression of thymosin β^2 in the rat brain following transient global ischemia. <i>Brain Research</i> , 2006, 1085, 177-182.	1.1	20
123	Body size effect on brain volume in Korean youth. <i>NeuroReport</i> , 2005, 16, 2029-2032.	0.6	31
124	The roles of dendritic spine shapes in Purkinje cells. <i>Cerebellum</i> , 2005, 4, 97-104.	1.4	35
125	Efficient three-dimensional reconstruction of synapse with high-voltage electron microscopy. <i>Microscopy (Oxford, England)</i> , 2005, 54, 139-141.	0.7	4
126	Identification of novel electroconvulsive shock-induced and activity-dependent genes in the rat brain. <i>Biochemical and Biophysical Research Communications</i> , 2005, 327, 848-856.	1.0	36

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127	Effect of thymosin $\hat{\alpha}$ 215 on the branching of developing neurons. Biochemical and Biophysical Research Communications, 2005, 331, 43-49.	1.0	23
128	Gender Difference on Corpus Callosum in Korean Adults. Korean Journal of Physical Anthropology, 2005, 18, 169.	0.2	1
129	Morphological analysis of spine shapes of Purkinje cell dendrites in the rat cerebellum using high-voltage electron microscopy. Neuroscience Letters, 2004, 359, 21-24.	1.0	33
130	Gender differences in the corpus callosum of neonates. NeuroReport, 2004, 15, 1029-1032.	0.6	25
131	Altered neuronal nitric oxide synthase expression in the cerebellum of calcium channel mutant mice. Brain Research, 2003, 977, 129-140.	1.1	20
132	Specific plasticity of parallel fiber/Purkinje cell spine synapses by motor skill learning. NeuroReport, 2002, 13, 1607-1610.	0.6	40
133	Apoptotic cell death of cerebellar granule cells in rolling mouse Nagoya. Neuroscience Letters, 2002, 325, 1-4.	1.0	21
134	Bidirectional Alterations in Cerebellar Synaptic Transmission of tettering and rolling Ca^{2+} Channel Mutant Mice. Journal of Neuroscience, 2002, 22, 4388-4398.	1.7	104
135	Quantitative Analysis of the Purkinje Cell Dendritic Spines in the Voltage-Dependent Calcium Channel Mutant, Rolling Mouse Nagoya. Annals of the New York Academy of Sciences, 2002, 978, 540-541.	1.8	1
136	Gender Difference of Corpus Callosum in Korean Neonate. Korean Journal of Physical Anthropology, 2001, 14, 333.	0.2	1
137	Morphologic investigation of rolling mouse Nagoya (tgrol/tgrol) cerebellar Purkinje cells: an ataxic mutant, revisited. Neuroscience Letters, 1999, 266, 49-52.	1.0	47
138	Magnetic resonance image-based cerebellar volumetry in healthy Korean adults. Neuroscience Letters, 1999, 270, 149-152.	1.0	42
139	Expression of calcium channel $\hat{\alpha}$ 1A mRNA and protein in the leaner mouse (tgla/tgla) cerebellum. Molecular Brain Research, 1998, 59, 93-99.	2.5	35
140	MK-801, a non-competitive NMDA receptor antagonist, prevents postischemic decrease of inositol 1,4,5-trisphosphate receptor mRNA expression in mongolian gerbil brain. Neuroscience Letters, 1998, 255, 111-114.	1.0	6
141	Three-dimensional imaging for the analysis of human epidermal melanocytes. Pigment Cell and Melanoma Research, 0, , .	1.5	0