

Shigeru Kobayashi

List of Publications by Year in descending order

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43
papers

1,028
citations

567281

15
h-index

414414

32
g-index

45
all docs

45
docs citations

45
times ranked

659
citing authors

#	ARTICLE	IF	CITATIONS
1	Vasogenic Edema Induced by Compression Injury to the Spinal Nerve Root. <i>Spine</i> , 1993, 18, 1410-1424.	2.0	106
2	Chronic Nerve Root Compression. <i>Spine</i> , 1995, 20, 397-407.	2.0	106
3	Pathology of lumbar nerve root compression Part 2: Morphological and immunohistochemical changes of dorsal root ganglion. <i>Journal of Orthopaedic Research</i> , 2004, 22, 180-188.	2.3	90
4	Blood Supply of Nerve Roots and Dorsal Root Ganglia. <i>Orthopedic Clinics of North America</i> , 1991, 22, 195-211.	1.2	84
5	Pathology of lumbar nerve root compression Part 1: Intradicular inflammatory changes induced by mechanical compression. <i>Journal of Orthopaedic Research</i> , 2004, 22, 170-179.	2.3	83
6	Ultrastructural Analysis on Lumbar Disc Herniation Using Surgical Specimens. <i>Spine</i> , 2009, 34, 655-662.	2.0	67
7	Effects of Compression on Intradicular Blood Flow in Dogs. <i>Spine</i> , 1989, 14, 1220-1225.	2.0	63
8	Pathophysiology, diagnosis and treatment of intermittent claudication in patients with lumbar canal stenosis. <i>World Journal of Orthopedics</i> , 2014, 5, 134.	1.8	56
9	Experimental Study on the Dynamics of Lumbosacral Nerve Root Circulation. <i>Spine</i> , 2000, 25, 298-305.	2.0	51
10	Pathomechanisms of Sciatica in Lumbar Disc Herniation. <i>Spine</i> , 2010, 35, 2004-2014.	2.0	44
11	Effects of arterial ischemia and venous congestion on the lumbar nerve root in dogs. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1533-1540.	2.3	34
12	Intramitochondrial inclusions in various cells of a snake (<i>Elaphae quadrivirgata</i>). <i>Cell and Tissue Research</i> , 1969, 99, 252-262.	2.9	28
13	Pathogenesis of the discal cysts communicating with an adjacent herniated disc. Histological and ultrastructural studies of two cases. <i>Joint Bone Spine</i> , 2010, 77, 184-186.	1.6	28
14	Fine structure of cartilage canal and vascular buds in the rabbit vertebral endplate. <i>Journal of Neurosurgery: Spine</i> , 2008, 9, 96-103.	1.7	21
15	Microvascular system of the lumbar dorsal root ganglia in rats. Part I: a 3D analysis with scanning electron microscopy of vascular corrosion casts. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 197-202.	1.7	19
16	Localization and changes of intraneural inflammatory cytokines and inducible nitric oxide induced by mechanical compression. <i>Journal of Orthopaedic Research</i> , 2005, 23, 771-778.	2.3	15
17	Experimental Syringohydromyelia Induced by Adhesive Arachnoiditis in the Rabbit: Changes in the Blood-Spinal Cord Barrier, Neuroinflammatory Foci, and Syrinx Formation. <i>Journal of Neurotrauma</i> , 2012, 29, 1803-1816.	3.4	15
18	Circulatory dynamics of the cauda equina in lumbar canal stenosis using dynamic contrast-enhanced magnetic resonance imaging. <i>Spine Journal</i> , 2015, 15, 2132-2141.	1.3	13

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19	Hydroxyapatite Maturity in the Calcified Cartilage and Underlying Subchondral Bone of Guinea Pigs with Spontaneous Osteoarthritis: Analysis by Fourier Transform Infrared Microspectroscopy. <i>Acta Histochemica Et Cytochemica</i> , 2004, 37, 101-107.	1.6	10
20	Microvascular system of the lumbar dorsal root ganglia in rats. Part II: neurogenic control of intraganglionic blood flow. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 203-209.	1.7	10
21	A case of inflammatory breast cancer following augmentation mammoplasty with silicone gel implants. <i>Breast Cancer</i> , 2000, 7, 71-74.	2.9	9
22	Parosteal aneurysmal bone cyst of the humerus with birdcage-like ossification on three-dimensional CT scanning: A case report. <i>Joint Bone Spine</i> , 2009, 76, 705-707.	1.6	8
23	Blood flow analysis of compressed nerve root after intravenous injection of lipo- ϵ -prostaglandin E_{1} . <i>Journal of Orthopaedic Research</i> , 2009, 27, 1252-1257.	2.3	8
24	Fracture of the pelvic ring: a retrospective review of 224 patients treated at a single institution. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2011, 21, 251-257.	1.4	8
25	An Electron Microscope Study of the Intestinal Mucosa of the Snake, <i>Elaphe quadrivirgata</i> (<i>Elaphe quadrivirgata</i> (<i>BOIE</i>). <i>Archivum Histologicum Japonicum</i> , 1967, 28, 525-536.	1.0	7
26	Herniated and Spondylotic Intervertebral Discs of the Human Cervical Spine: Histological and Immunohistochemical Observations. <i>Acta Histochemica Et Cytochemica</i> , 2004, 37, 109-117.	1.6	7
27	Changes in Blood Flow, Oxygen Tension, Action Potentials, and Vascular Permeability Induced by Arterial Ischemia or Venous Congestion on the Lumbar Dorsal Root Ganglia in Dogs. <i>Journal of Neurotrauma</i> , 2009, 26, 1167-1175.	3.4	7
28	Vasomotion of Intraradicular Microvessels in Rat. <i>Spine</i> , 2009, 34, 990-997.	2.0	5
29	Changes of blood flow, oxygen tension, action potential and vascular permeability induced by arterial ischemia or venous congestion on the spinal cord in canine model. <i>Journal of Orthopaedic Research</i> , 2013, 31, 139-146.	2.3	5
30	Motion analysis of the wrist joints in patients with rheumatoid arthritis. <i>Modern Rheumatology</i> , 2007, 17, 322-326.	1.8	4
31	A case of symptomatic cervical spine calcinosis in systemic sclerosis. <i>Spine Journal</i> , 2015, 15, 2099-2100.	1.3	4
32	Synthetic Studies of Anthelmintics. IV. <i>Yakugaku Zasshi</i> , 1949, 69, 149-151.	0.2	3
33	Synthetic Studies of Anthelmintics. VIII. <i>Yakugaku Zasshi</i> , 1951, 71, 593-595.	0.2	3
34	Successful treatment of nonclostridial gas gangrene extending from retroperitoneum to thigh associated with occult cecal cancer. <i>Journal of Orthopaedic Science</i> , 2007, 12, 585-591.	1.1	3
35	A case of pathological fracture associated with chondroblastoma of the first metatarsal: natural development over 3Åyears. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2009, 19, 125-129.	1.4	2
36	Synthetic Studies of Anthelmintics. II. <i>Yakugaku Zasshi</i> , 1951, 71, 73-77.	0.2	2

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37	Synthetic Studies of Anthelmintics. V. Yakugaku Zasshi, 1949, 69, 151-154.	0.2	0
38	Synthetic Studies of Anthelmintics. IX. Yakugaku Zasshi, 1951, 71, 1012-1014.	0.2	0
39	Synthetic Studies of Anthelmintics. VI and VII. Yakugaku Zasshi, 1951, 71, 394-399.	0.2	0
40	(1) Source Cells and Secretion Mechanism of Gastro-Intestinal Hormones. Japanese Journal of Medicine, 1975, 14, 1-7.	0.1	0
41	Laparoscopic Wedge Resection for Submucosal Tumor of the Stomach. Digestive Endoscopy, 1996, 8, 220-224.	2.3	0
42	Response to the letter to the editor regarding: "Circulatory dynamics of the cauda equina in lumbar canal stenosis using dynamic contrast-enhanced magnetic resonance imaging." Spine J. 2015;15(10):2132-2141. Spine Journal, 2016, 16, 795-796.	1.3	0
43	A CASE OF MALIGNANT LYMPHOMA ARISING IN THE BREAST. The Journal of the Japanese Practical Surgeon Society, 1992, 53, 2095-2099.	0.0	0