

Koji Akeda

List of Publications by Year in descending order

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39
papers

1,550
citations

471509

17
h-index

315739

38
g-index

44
all docs

44
docs citations

44
times ranked

1537
citing authors

#	ARTICLE	IF	CITATIONS
1	Osteogenic Protein-1 Injection Into a Degenerated Disc Induces the Restoration of Disc Height and Structural Changes in the Rabbit Anular Puncture Model. <i>Spine</i> , 2006, 31, 742-754.	2.0	248
2	Effects of Growth Differentiation Factor-5 on the Intervertebral DiscâIn Vitro Bovine Study and In Vivo Rabbit Disc Degeneration Model Study. <i>Spine</i> , 2006, 31, 2909-2917.	2.0	188
3	Proinflammatory Cytokines Stimulate the Expression of Nerve Growth Factor by Human Intervertebral Disc Cells. <i>Spine</i> , 2007, 32, 635-642.	2.0	143
4	Platelet-Rich Plasma (PRP) Stimulates the Extracellular Matrix Metabolism of Porcine Nucleus Pulposus and Anulus Fibrosus Cells Cultured in Alginate Beads. <i>Spine</i> , 2006, 31, 959-966.	2.0	120
5	Aggrecanases and Aggrecanase-generated Fragments in the Human Intervertebral Disc at Early and Advanced Stages of Disc Degeneration. <i>Spine</i> , 2007, 32, 2596-2603.	2.0	110
6	Effect of autologous platelet-rich plasma-releasate on intervertebral disc degeneration in the rabbit anular puncture model: a preclinical study. <i>Arthritis Research and Therapy</i> , 2012, 14, R241.	3.5	100
7	Intradiscal Injection of Autologous Platelet-Rich Plasma Releasate to Treat Discogenic Low Back Pain: A Preliminary Clinical Trial. <i>Asian Spine Journal</i> , 2017, 11, 380-389.	2.0	89
8	Nerve Fiber Ingrowth Into Scar Tissue Formed Following Nucleus Pulposus Extrusion in the Rabbit Anular-Puncture Disc Degeneration Model: Effects of Depth of Puncture. <i>Spine</i> , 2006, 31, E774-E780.	2.0	63
9	Risk factors for lumbar intervertebral disc height narrowing: a population-based longitudinal study in the elderly. <i>BMC Musculoskeletal Disorders</i> , 2015, 16, 344.	1.9	60
10	<p>Platelet-rich plasma in the management of chronic low back pain: a critical review</p>. <i>Journal of Pain Research</i> , 2019, Volume 12, 753-767.	2.0	49
11	Three-dimensional alginate spheroid culture system of murine osteosarcoma. <i>Oncology Reports</i> , 2009, 22, 997-1003.	2.6	35
12	Morphology of intervertebral disc ruptures evaluated by vacuum phenomenon using multi-detector computed tomography: association with lumbar disc degeneration and canal stenosis. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 164.	1.9	34
13	Osteoporosis, vertebral fractures and mortality in a Japanese rural community. <i>Modern Rheumatology</i> , 2014, 24, 840-843.	1.8	30
14	Genome-wide analysis of DNA methylation profile identifies differentially methylated loci associated with human intervertebral disc degeneration. <i>PLoS ONE</i> , 2019, 14, e0222188.	2.5	27
15	Effect of osteogenic proteinâ1 on the matrix metabolism of bovine tendon cells. <i>Journal of Orthopaedic Research</i> , 2008, 26, 42-48.	2.3	25
16	Thoracic Myelopathy With Alkaptonuria. <i>Spine</i> , 2008, 33, E62-E65.	2.0	23
17	Endplate and intervertebral disc injuries in acute and single level osteoporotic vertebral fractures: is there any association with the process of bone healing?. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 336.	1.9	23
18	RANK/RANKL/OPG system in the intervertebral disc. <i>Arthritis Research and Therapy</i> , 2017, 19, 121.	3.5	19

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19	Osteoconductivity of bioactive Ti-6Al-4V implants with lattice-shaped interconnected large pores fabricated by electron beam melting. <i>Journal of Biomaterials Applications</i> , 2021, 35, 1153-1167.	2.4	16
20	Platelet-Rich Plasma Releasate versus Corticosteroid for the Treatment of Discogenic Low Back Pain: A Double-Blind Randomized Controlled Trial. <i>Journal of Clinical Medicine</i> , 2022, 11, 304.	2.4	16
21	Are BMPs Involved in Normal Nerve and Following Transection?: A Pilot Study. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 3183-3189.	1.5	14
22	Expression of Proteinase-Activated Receptor-2 in the Intervertebral Disc. <i>Spine</i> , 2009, 34, 470-478.	2.0	13
23	Tissue Renin-Angiotensin System in the Intervertebral Disc. <i>Spine</i> , 2013, 38, E129-E136.	2.0	11
24	Expression of the RANK/RANKL/OPG system in the human intervertebral disc: implication for the pathogenesis of intervertebral disc degeneration. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 225.	1.9	11
25	Primary Ewing Sarcoma of the Spine Mimicking a Psoas Abscess Secondary to Spinal Infection. <i>Spine</i> , 2009, 34, E337-E341.	2.0	10
26	Central Sensitization in Chronic Low Back Pain: A Population-Based Study of a Japanese Mountain Village. <i>Journal of Pain Research</i> , 2021, Volume 14, 1271-1280.	2.0	9
27	Evaluation of Central Sensitization Inventory in Patients Undergoing Elective Spine Surgery in a Multicenter Study. <i>Global Spine Journal</i> , 2021, , 219256822110474.	2.3	8
28	Platelet-Rich Plasma-Releasate (PRPr) for the Treatment of Discogenic Low Back Pain Patients: Long-Term Follow-Up Survey. <i>Medicina (Lithuania)</i> , 2022, 58, 428.	2.0	8
29	Expression of Glial Cell Line-derived Neurotrophic Factor in the Human Intervertebral Disc. <i>Spine</i> , 2020, 45, E768-E775.	2.0	7
30	BMP-7/Smad expression in dedifferentiated Schwann cells during axonal regeneration and upregulation of endogenous BMP-7 following administration of PTH (1-34). <i>Journal of Orthopaedic Surgery</i> , 2018, 26, 230949901881295.	1.0	6
31	Bioactive pedicle screws prepared by chemical and heat treatments improved biocompatibility and bone-bonding ability in canine lumbar spines. <i>PLoS ONE</i> , 2018, 13, e0196766.	2.5	6
32	Intradiscal injection of monosodium iodoacetate induces intervertebral disc degeneration in an experimental rabbit model. <i>Arthritis Research and Therapy</i> , 2021, 23, 297.	3.5	6
33	Effect of diminished flow in rabbit lumbar arteries on intervertebral disc matrix changes using MRI T2-mapping and histology. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 347.	1.9	5
34	Drug-Releasing Gelatin Coating Reinforced with Calcium Titanate Formed on Ti-6Al-4V Alloy Designed for Osteoporosis Bone Repair. <i>Coatings</i> , 2022, 12, 139.	2.6	5
35	Cervical schwannoma in the early stage of pregnancy: a case report. <i>BMC Surgery</i> , 2020, 20, 245.	1.3	4
36	Association between non-traumatic vertebral fractures and adjacent discs degeneration: a cross-sectional study and literature review. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 781.	1.9	4

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37	Three-dimensional computed tomographic evaluation of lateral lumbar interbody fusion: morphometric change of intervertebral structure. <i>European Spine Journal</i> , 2021, 30, 1355-1364.	2.2	4
38	Novel elemental grading system for radiographic lumbar spondylosis in a population based-cohort study of a Japanese mountain village. <i>PLoS ONE</i> , 2022, 17, e0270282.	2.5	1
39	Lateral Access Spine Surgery following Liver Transplantation: A Report of Two Cases. <i>Case Reports in Orthopedics</i> , 2021, 2021, 1-8.	0.3	0