Hee-Kit Wong

List of Publications by Year
in descending order

55 papers	1,319 citations	394421 19 h-index	361022 35 g-index
55 all docs	55 docs citations	55 times ranked	1570 citing authors

#	Article	IF	Citations
1	Bone marrow mesenchymal stem cells with low dose bone morphogenetic protein 2 enhances scaffoldâ€based spinal fusion in a porcine model. Journal of Tissue Engineering and Regenerative Medicine, 2022, 16, 63-75.	2.7	6
2	Understanding the Pathophysiology of L5-S1 Loss of Lordosis and Retrolisthesis: An EOS Study of Lumbopelvic Movement Between Standing and Slump Sitting Postures. World Neurosurgery, 2022, 158, e654-e661.	1.3	4
3	The lateral entry point S2 alar-iliac (L-S2AI) screw: a preoperative computed tomography analysis of adult spinal deformity patients. Spine Deformity, 2022, 10, 669-678.	1.5	2
4	Pelvic thickness, sex, ethnicity, and age affect pelvic incidence in healthy volunteers of Multi-Ethnic Alignment Normative Study (MEANS) database. European Spine Journal, 2022, 31, 1421-1430.	2.2	6
5	Correlation analysis of the PI-LL mismatch according to the pelvic incidence from a database of 468 asymptomatic volunteers. European Spine Journal, 2022, 31, 1413-1420.	2.2	13
6	ProDiscâ€“C versus anterior cervical discectomy and fusion for the surgical treatment of symptomatic cervical disc disease: two-year outcomes of Asian prospective randomized controlled multicentre study. European Spine Journal, 2022, 31, 1260-1272.	2.2	3
7	A novel hospital capacity versus clinical justification triage score (CCTS) for prioritization of spinal surgeries in the â€œnew normal state" of the COVID-19 pandemic. European Spine Journal, 2021, 30, 1247-1260.	2.2	1
8	Risk factors for surgical complications in the management of ossification of the posterior longitudinal ligament. Spine Journal, 2021, 21, 1176-1184.	1.3	8
9	Fulcrum to Generate Maximum Extension of the Spine and Hipâ€”Proposing A New Strategy using EOS Imaging for Patient-specific Assessment of Degenerated Lumbar Spines. Spine, 2021, 46, E832-E839.	2.0	1
10	The odontoid-CSVL distance in a global population of asymptomatic volunteers: normative values and implications for spinal coronal alignment. European Spine Journal, 2021, 30, 3639-3646.	2.2	2
11	Understanding â€œKyphosisâ€•and â€œLordosisâ€•for Sagittal Balancing in Two Common Standing Postures. Spine, 2021, Publish Ahead of Print, 1603-1611.	2.0	2
12	Symptomatic Construct Failure after Metastatic Spine Tumor Surgery. Asian Spine Journal, 2021, 15, 481-490.	2.0	8
13	The Impact of Radiographic Lower Limb-Spinal Length Proportion on Whole-Body Sagittal Alignment. Spine, 2021, Publish Ahead of Print, E38-E45.	2.0	1
14	Pelvic and sacral morphology and their correlation with pelvic incidence, lumbar lordosis, and lumbar alignment changes between standing and sitting postures. Clinical Neurology and Neurosurgery, 2021, 211, 107019.	1.4	2
15	Postoperative complications of S2AI versus iliac screw in spinopelvic fixation: a meta-analysis and recent trends review. Spine Journal, 2020, 20, 964-972.	1.3	44
16	Improving the handling properties and longâ€term stability of polyelectrolyte complex by freezeâ€drying technique for lowâ€dose bone morphogenetic protein 2 delivery. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2020, 108, 2450-2460.	3.4	2
17	Characterization of Sagittal Spine Alignment With Reference to the Gravity Line and Vertebral Slopes. Spine, 2020, 45, E481-E488.	2.0	14
18	Risk Factors Predicting C- Versus S-shaped Sagittal Spine Profiles in Natural, Relaxed Sitting. Spine, 2020, 45, 1704-1712.	2.0	5

#	Article	IF	Citations
19	Synergistic Effect of NELL-1 and an Ultra-Low Dose of BMP-2 on Spinal Fusion. Tissue Engineering - Part A, 2019, 25, 1677-1689.	3.1	8
20	Comparison of whole body sagittal alignment during directed vs natural, relaxed standing postures in young, healthy adults. Spine Journal, 2019, 19, 1832-1839.	1.3	35
21	Locating the Site of Neuropathic Pain In Vivo Using MMP-12-Targeted Magnetic Nanoparticles. Pain Research and Management, 2019, 2019, 1-11.	1.8	12
22	Bone Regeneration by Controlled Release of Bone Morphogenetic Protein-2: A Rabbit Spinal Fusion Chamber Molecular Study. Tissue Engineering - Part A, 2019, 25, 1356-1368.	3.1	4
23	Non-Fusion Surgical Correction of Thoracic Idiopathic Scoliosis Using a Novel, Braided Vertebral Body Tethering Device. JBJS Open Access, 2019, 4, e0026.	1.5	36
24	Fabrication of polycaprolactone-silanated Î²-tricalcium phosphate-heparan sulfate scaffolds for spinal fusion applications. Spine Journal, 2018, 18, 818-830.	1.3	12
25	Normal variation in sagittal spinal alignment parameters in adult patients: an EOS study using serial imaging. European Spine Journal, 2018, 27, 578-584.	2.2	13
26	Should We Still Use Red Flags in the Diagnosis of Low Back Pain?. Journal of Bone and Joint Surgery - Series A, 2018, 100, e31.	3.0	3
27	Subcrestal Iliac-Screw. Spine, 2018, 43, E68-E74.	2.0	20
28	CORR InsightsÂ®: Increased Radiation but No Benefits in Pedicle Screw Accuracy With Navigation versus a Freehand Technique in Scoliosis Surgery. Clinical Orthopaedics and Related Research, 2018, 476, 1028-1030.	1.5	4
29	Is MIS-TLIF superior to open TLIF in obese patients?: A systematic review and meta-analysis. European Spine Journal, 2018, 27, 1877-1886.	2.2	35
30	A Computed Tomography Analysis of the Success of Spinal Fusion Using Ultra-Low Dose (0.7 mg per) Tj ETQq0 0 0 rgBT /Overlock 10 Tf Deformity Surgery. Asian Spine Journal, 2018, 12, 1010-1016.	2.0	8
31	Is Intraoperative Local Vancomycin Powder the Answer to Surgical Site Infections in Spine Surgery?. Spine, 2017, 42, 267-274.	2.0	105
32	How the spine differs in standing and in sittingâ€"important considerations for correction of spinal deformity. Spine Journal, 2017, 17, 799-806.	1.3	78
33	Reproducibility of sagittal radiographic parameters in adolescent idiopathic scoliosisâ€"a guide to reference values using serial imaging. Spine Journal, 2017, 17, 830-836.	1.3	11
34	Spinal Implants Can Be Inserted in Patients With Deep Spine Infection. Spine, 2017, 42, E490-E495.	2.0	20
35	Cervical Alignment Variations in Different Postures and Predictors of Normal Cervical Kyphosis. Spine, 2017, 42, 1614-1621.	2.0	46
36	Lumbar Spine Alignment in Six Common Postures. Spine, 2017, 42, 1447-1455.	2.0	38

#	Article	IF	Citations
37	Delayed lymphocele formation following lateral lumbar interbody fusion of the spine. European Spine Journal, 2017, 26, 36-41.	2.2	11
38	Differences in erect sitting and natural sitting spinal alignmentâ€"insights into a new paradigm and implications in deformity correction. Spine Journal, 2017, 17, 183-189.	1.3	58
39	Dose-dependent Nerve Inflammatory Response to rhBMP-2 in a Rodent Spinal Nerve Model. Spine, 2017, 42, E933-E938.	2.0	6
40	Heparin-Based Polyelectrolyte Complex Enhances the Therapeutic Efficacy of Bone Morphogenetic Protein-2 for Posterolateral Fusion in a Large Animal Model. Spine, 2016, 41, 1199-1207.	2.0	9
41	Morphology and Prevalence Study of Lumbar Scoliosis in 7,075 Multiracial Asian Adults. Journal of Bone and Joint Surgery - Series A, 2016, 98, 1307-1312.	3.0	11
42	Minimally invasive iliac screw fixation in treating painful metastatic lumbosacral deformity: a technique description and clinical results. European Spine Journal, 2016, 25, 4043-4051.	2.2	11
43	Bone marrow-derived mesenchymal stem cells assembled with low-dose BMP-2 in a three-dimensional hybrid construct enhances posterolateral spinal fusion in syngeneic rats. Spine Journal, 2015, 15, 2552-2563.	1.3	19
44	Sequestration of rhBMP-2 into Self-Assembled Polyelectrolyte Complexes Promotes Anatomic Localization of New Bone in a Porcine Model of Spinal Reconstructive Surgery. Tissue Engineering - Part A, 2014, 20, 1679-1688.	3.1	15
45	Enhanced Control of In Vivo Bone Formation with Surface Functionalized Alginate Microbeads Incorporating Heparin and Human Bone Morphogenetic Protein-2. Tissue Engineering - Part A, 2013, 19, 350-359.	3.1	30
46	Silk Fibroin-Based Complex Particles with Bioactive Encrustation for Bone Morphogenetic Protein 2 Delivery. Biomacromolecules, 2013, 14, 4465-4474.	5.4	43
47	Minimizing the Severity of rhBMP-2â€"Induced Inflammation and Heterotopic Ossification With a Polyelectrolyte Carrier Incorporating Heparin on Microbead Templates. Spine, 2013, 38, 1452-1458.	2.0	19
48	In vivo bioactivity of rhBMP-2 delivered with novel polyelectrolyte complexation shells assembled on an alginate microbead core template. Journal of Controlled Release, 2012, 162, 364-372.	9.9	47
49	Fusion Performance of Low-Dose Recombinant Human Bone Morphogenetic Protein 2 and Bone Marrow-Derived Multipotent Stromal Cells in Biodegradable Scaffolds. Spine, 2011, 36, 1752-1759.	2.0	34
50	Autogenous Bone Marrow Stromal Cell Sheets-Loaded mPCL/TCP Scaffolds Induced Osteogenesis in a Porcine Model of Spinal Interbody Fusion. Tissue Engineering - Part A, 2011, 17, 809-817.	3.1	31
51	The natural history of adolescent idiopathic scoliosis. Indian Journal of Orthopaedics, 2010, 44, 9-13.	1.1	38
52	Biological performance of a polycaprolactone-based scaffold used as fusion cage device in a large animal model of spinal reconstructive surgery. Biomaterials, 2009, 30, 5086-5093.	11.4	101
53	Idiopathic Scoliosis in Singapore Schoolchildren. Spine, 2005, 30, 1188-1196.	2.0	134
54	Results of Thoracoscopic Instrumented Fusion versus Conventional Posterior Instrumented Fusion in Adolescent Idiopathic Scoliosis Undergoing Selective Thoracic Fusion. Spine, 2004, 29, 2031-2038.	2.0	71

#	Article	IF	Citations
55	Effects of Corticosteroids on Nerve Root Recovery After Spinal Nerve Root Compression. Clinical Orthopaedics and Related Research, 2002, 403, 248-252.	1.5	19