

# Hyun W Bae

## List of Publications by Year in descending order

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29  
papers

1,207  
citations

567281

15  
h-index

526287

27  
g-index

29  
all docs

29  
docs citations

29  
times ranked

1212  
citing authors

#	ARTICLE	IF	CITATIONS
1	Incidence of Subsequent Vertebral Fracture after Kyphoplasty. <i>Spine</i> , 2004, 29, 2270-2276.	2.0	359
2	ProDisc Artificial Total Lumbar Disc Replacement: Introduction and Early Results From the United States Clinical Trial. <i>Spine</i> , 2003, 28, S167-S175.	2.0	169
3	In situ bone tissue engineering via ultrasound-mediated gene delivery to endogenous progenitor cells in mini-pigs. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	105
4	Clinical Results of ProDisc-II Lumbar Total Disc Replacement: Report from the United States Clinical Trial. <i>Orthopedic Clinics of North America</i> , 2005, 36, 301-313.	1.2	86
5	Gene-Modified Adult Stem Cells Regenerate Vertebral Bone Defect in a Rat Model. <i>Molecular Pharmaceutics</i> , 2011, 8, 1592-1601.	4.6	83
6	Nucleus pulposus degeneration alters properties of resident progenitor cells. <i>Spine Journal</i> , 2013, 13, 803-814.	1.3	57
7	A Prospective Randomized FDA-IDE Trial Comparing Cortoss With PMMA for Vertebroplasty. <i>Spine</i> , 2012, 37, 544-550.	2.0	54
8	Intraosseous Basivertebral Nerve Ablation for the Treatment of Chronic Low Back Pain: 2-Year Results From a Prospective Randomized Double-Blind Sham-Controlled Multicenter Study. <i>International Journal of Spine Surgery</i> , 2019, 13, 110-119.	1.5	45
9	Bone Marrow Enhances the Performance of rhBMP-2 in Spinal Fusion. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 338-347.	3.0	31
10	BMP6-Engineered MSCs Induce Vertebral Bone Repair in a Pig Model: A Pilot Study. <i>Stem Cells International</i> , 2016, 2016, 1-8.	2.5	27
11	Three-Year Follow-up of the Prospective, Randomized, Controlled Trial of Coflex Interlaminar Stabilization vs Instrumented Fusion in Patients With Lumbar Stenosis. <i>Neurosurgery</i> , 2016, 79, 169-181.	1.1	25
12	Anti-Inflammatory Peptide Attenuates Edema and Promotes BMP-2-Induced Bone Formation in Spine Fusion. <i>Tissue Engineering - Part A</i> , 2018, 24, 1641-1651.	3.1	19
13	Optimization of a rat lumbar <sc>IVD</sc> degeneration model for low back pain. <i>JOR Spine</i> , 2020, 3, e1092.	3.2	19
14	NF- $\kappa$ B inhibitor, NEMO-binding domain peptide attenuates intervertebral disc degeneration. <i>Spine Journal</i> , 2020, 20, 1480-1491.	1.3	18
15	Intervertebral Disc Repair: Current Concepts. <i>Global Spine Journal</i> , 2020, 10, 130S-136S.	2.3	17
16	Omega-3 Fatty Acid Supplementation Reduces Intervertebral Disc Degeneration. <i>Medical Science Monitor</i> , 2019, 25, 9531-9537.	1.1	16
17	Comparative Efficacy of Commonly Available Human Bone Graft Substitutes as Tested for Posterolateral Fusion in an Athymic Rat Model. <i>International Journal of Spine Surgery</i> , 2019, 13, 437-458.	1.5	15
18	Neural crest-derived mesenchymal progenitor cells enhance cranial allograft integration. <i>Stem Cells Translational Medicine</i> , 2021, 10, 797-809.	3.3	10

#	ARTICLE	IF	CITATIONS
19	Is There Clinical Improvement Associated With Intradiscal Therapies? A Comparison Across Randomized Controlled Studies. <i>Global Spine Journal</i> , 2022, 12, 756-764.	2.3	9
20	Advanced Glycation End Product Inhibitor Pyridoxamine Attenuates IVD Degeneration in Type 2 Diabetic Rats. <i>International Journal of Molecular Sciences</i> , 2020, 21, 9709.	4.1	9
21	Ultrasound-mediated transgene expression in endogenous stem cells recruited to bone injury sites. <i>Polymers for Advanced Technologies</i> , 2014, 25, 525-531.	3.2	8
22	Allografts and Spinal Fusion. <i>International Journal of Spine Surgery</i> , 2021, 15, 68-93.	1.5	8
23	Transient Soft-Tissue Edema Associated with Implantation of Increasing Doses of rhBMP-2 on an Absorbable Collagen Sponge in an Ectopic Rat Model. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, 1845-1852.	3.0	6
24	The effects of varenicline on lumbar spinal fusion in a rat model. <i>Spine Journal</i> , 2020, 20, 300-306.	1.3	4
25	Electrospun, synthetic bone void filler promotes human MSC function and BMP-2 mediated spinal fusion. <i>Journal of Biomaterials Applications</i> , 2020, 35, 532-543.	2.4	3
26	Stem Cells and Spinal Fusion. <i>International Journal of Spine Surgery</i> , 2021, 15, 94-103.	1.5	3
27	Evolution of Bioactive Implants in Lateral Interbody Fusion. <i>International Journal of Spine Surgery</i> , 2022, 16, S61-S68.	1.5	2
28	Notice of Removal: Ultrasound-mediated transfection of endogenous stem cells for regenerative medicine. , 2017, , .		0
29	Radiographic Analysis of the Lumbosacral Juncture: Is There a Critical Sacral Angle for Total Disc Replacement?. <i>Asian Spine Journal</i> , 2017, 11, 249-255.	2.0	0