

Kyung Mi Woo

List of Publications by Year in descending order

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93
papers

4,590
citations

109321

35
h-index

106344

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93
all docs

93
docs citations

93
times ranked

7005
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-fibrous scaffolding architecture selectively enhances protein adsorption contributing to cell attachment. <i>Journal of Biomedical Materials Research Part B</i> , 2003, 67A, 531-537.	3.1	615
2	Nano-fibrous scaffolding promotes osteoblast differentiation and biomineralization. <i>Biomaterials</i> , 2007, 28, 335-343.	11.4	326
3	The phosphatidylinositol 3-Kinase, p38, and extracellular signal-regulated kinase pathways are involved in osteoclast differentiation. <i>Bone</i> , 2002, 30, 71-77.	2.9	275
4	Suppression of apoptosis by enhanced protein adsorption on polymer/hydroxyapatite composite scaffolds. <i>Biomaterials</i> , 2007, 28, 2622-2630.	11.4	202
5	Osteoclastogenesis is enhanced by activated B cells but suppressed by activated CD8+ T cells. <i>European Journal of Immunology</i> , 2001, 31, 2179-2188.	2.9	162
6	BMP2-activated Erk/MAP Kinase Stabilizes Runx2 by Increasing p300 Levels and Histone Acetyltransferase Activity. <i>Journal of Biological Chemistry</i> , 2010, 285, 36410-36419.	3.4	135
7	Development of 3-D nanofibrous fibroin scaffold with high porosity by electrospinning: implications for bone regeneration. <i>Biotechnology Letters</i> , 2008, 30, 405-410.	2.2	133
8	Electrospun Silk Fibroin Scaffolds with Macropores for Bone Regeneration: An <i>In Vitro</i> and <i>In Vivo</i> Study. <i>Tissue Engineering - Part A</i> , 2010, 16, 1271-1279.	3.1	106
9	Tumor necrosis factor- α increases alkaline phosphatase expression in vascular smooth muscle cells via MSX2 induction. <i>Biochemical and Biophysical Research Communications</i> , 2010, 391, 1087-1092.	2.1	105
10	Molecular Consequences of the ACVR1R206H Mutation of Fibrodysplasia Ossificans Progressiva. <i>Journal of Biological Chemistry</i> , 2010, 285, 22542-22553.	3.4	103
11	FGF2-activated ERK Mitogen-activated Protein Kinase Enhances Runx2 Acetylation and Stabilization. <i>Journal of Biological Chemistry</i> , 2010, 285, 3568-3574.	3.4	100
12	TNF- α Upregulates Sclerostin Expression in Obese Mice Fed a High-Fat Diet. <i>Journal of Cellular Physiology</i> , 2014, 229, 640-650.	4.1	93
13	Epidermal growth factor receptor regulates osteoclast differentiation and survival through cross-talking with RANK signaling. <i>Journal of Cellular Physiology</i> , 2008, 217, 409-422.	4.1	87
14	Comparative Evaluation of Nanofibrous Scaffolding for Bone Regeneration in Critical-Size Calvarial Defects. <i>Tissue Engineering - Part A</i> , 2009, 15, 2155-2162.	3.1	75
15	miR-124 Negatively Regulates Osteogenic Differentiation and In vivo Bone Formation of Mesenchymal Stem Cells. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 730-742.	2.6	70
16	N-acetylcysteine stimulates osteoblastic differentiation of mouse calvarial cells. <i>Journal of Cellular Biochemistry</i> , 2008, 103, 1246-1255.	2.6	68
17	Effects of Dimethylxalylglycine-Embedded Poly(μ -caprolactone) Fiber Meshes on Wound Healing in Diabetic Rats. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 7950-7963.	8.0	68
18	Effects of the fibrous topography-mediated macrophage phenotype transition on the recruitment of mesenchymal stem cells: An <i>in vivo</i> study. <i>Biomaterials</i> , 2017, 149, 77-87.	11.4	60

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19	N-acetylcysteine prevents Ips-Induced pro-inflammatory cytokines and mmp2 production in gingival fibroblasts. Archives of Pharmacal Research, 2007, 30, 1283-1292.	6.3	58
20	Fibrin-Based Biomaterial Applications in Tissue Engineering and Regenerative Medicine. Advances in Experimental Medicine and Biology, 2018, 1064, 253-261.	1.6	58
21	Epigenetic Modifications and Canonical Wingless/int-1 Class (WNT) Signaling Enable Trans-differentiation of Nonosteogenic Cells into Osteoblasts. Journal of Biological Chemistry, 2014, 289, 20120-20128.	3.4	57
22	Msx2 mediates the inhibitory action of TNF- α on osteoblast differentiation. Experimental and Molecular Medicine, 2010, 42, 437.	7.7	54
23	Terminal Differentiation of Normal Human Oral Keratinocytes Is Associated with Enhanced Cellular TGF- β 2 and Phospholipase C- β 1 Levels and Apoptotic Cell Death. Experimental Cell Research, 1999, 249, 377-385.	2.6	48
24	Synergistic effects of dimethylxalylglycine and butyrate incorporated into β -calcium sulfate on bone regeneration. Biomaterials, 2015, 39, 1-14.	11.4	48
25	Macrophage colony-stimulating factor promotes the survival of osteoclast precursors by up-regulating Bcl-XL. Experimental and Molecular Medicine, 2002, 34, 340-346.	7.7	47
26	Trichostatin A-mediated upregulation of p21WAF1 contributes to osteoclast apoptosis. Experimental and Molecular Medicine, 2007, 39, 213-221.	7.7	47
27	Hypoxia Inducible Factor-1 α Directly Induces the Expression of Receptor Activator of Nuclear Factor- κ B Ligand in Periodontal Ligament Fibroblasts. Molecules and Cells, 2011, 31, 573-578.	2.6	46
28	GDF11 promotes osteogenesis as opposed to MSTN, and follistatin, a MSTN/GDF11 inhibitor, increases muscle mass but weakens bone. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 4910-4920.	7.1	45
29	New approach for the treatment of osteoradionecrosis with pentoxifylline and tocopherol. Biomaterials Research, 2014, 18, 13.	6.9	42
30	Prolyl Isomerase Pin1-mediated Conformational Change and Subnuclear Focal Accumulation of Runx2 Are Crucial for Fibroblast Growth Factor 2 (FGF2)-induced Osteoblast Differentiation. Journal of Biological Chemistry, 2014, 289, 8828-8838.	3.4	42
31	Modulation of the resorption and osteoconductivity of β -calcium sulfate by histone deacetylase inhibitors. Biomaterials, 2010, 31, 29-37.	11.4	38
32	SMURF1 Plays a Role in EGF-Induced Breast Cancer Cell Migration and Invasion. Molecules and Cells, 2013, 36, 548-555.	2.6	38
33	Immobilization of TiO2 nanofibers on titanium plates for implant applications. Applied Surface Science, 2008, 255, 2456-2460.	6.1	37
34	MiR-124 Inhibits Myogenic Differentiation of Mesenchymal Stem Cells Via Targeting Dlx5. Journal of Cellular Biochemistry, 2014, 115, 1572-1581.	2.6	37
35	Effects of the incorporation of β -aminocaproic acid/chitosan particles to fibrin on cementoblast differentiation and cementum regeneration. Acta Biomaterialia, 2017, 61, 134-143.	8.3	37
36	Fibrous Topography-Potentiated Canonical Wnt Signaling Directs the Odontoblastic Differentiation of Dental Pulp-Derived Stem Cells. ACS Applied Materials & Interfaces, 2018, 10, 17526-17541.	8.0	37

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37	High extracellular calcium-induced NFATc3 regulates the expression of receptor activator of NF- κ B ligand in osteoblasts. <i>Bone</i> , 2011, 49, 242-249.	2.9	35
38	Dynamic intratubular biomineralization following root canal obturation with pozzolan-based mineral trioxide aggregate sealer cement. <i>Scanning</i> , 2016, 38, 50-56.	1.5	35
39	Pin1 Regulates Osteoclast Fusion Through Suppression of the Master Regulator of Cell Fusion DC-STAMP. <i>Journal of Cellular Physiology</i> , 2014, 229, 2166-2174.	4.1	34
40	Trichostatin A inhibits osteoclastogenesis and bone resorption by suppressing the induction of c-Fos by RANKL. <i>European Journal of Pharmacology</i> , 2009, 623, 22-29.	3.5	33
41	Performance of electrospun poly(μ -caprolactone) fiber meshes used with mineral trioxide aggregates in a pulp capping procedure. <i>Acta Biomaterialia</i> , 2012, 8, 2986-2995.	8.3	33
42	<i>Porphyromonas gingivalis</i> -derived lipopolysaccharide-mediated activation of MAPK signaling regulates inflammatory response and differentiation in human periodontal ligament fibroblasts. <i>Journal of Microbiology</i> , 2012, 50, 311-319.	2.8	33
43	Hyperglycemia increases the expression levels of sclerostin in a reactive oxygen species- and tumor necrosis factor-alpha-dependent manner. <i>Journal of Periodontal and Implant Science</i> , 2015, 45, 101.	2.0	32
44	Wnt3a stimulates <i>Mepe</i> , <i>Matrix</i> extracellular phosphoglycoprotein, expression directly by the activation of the canonical Wnt signaling pathway and indirectly through the stimulation of autocrine <i>Bmp2</i> expression. <i>Journal of Cellular Physiology</i> , 2012, 227, 2287-2296.	4.1	30
45	Pin1-mediated Runx2 modification is critical for skeletal development. <i>Journal of Cellular Physiology</i> , 2013, 228, 2377-2385.	4.1	30
46	Insulin suppresses distal-less homeobox 5 expression through the up-regulation of microRNA-124 in 3T3-L1 cells. <i>Experimental Cell Research</i> , 2013, 319, 2125-2134.	2.6	30
47	Comparative evaluation of different crystal-structured calcium sulfates as bone-filling materials. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2009, 91B, 545-554.	3.4	29
48	The effects of the modulation of the fibronectin-binding capacity of fibrin by thrombin on osteoblast differentiation. <i>Biomaterials</i> , 2012, 33, 4089-4099.	11.4	27
49	Tetraspanin CD9 regulates osteoclastogenesis via regulation of p44/42 MAPK activity. <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 178-184.	2.1	26
50	Insulin-Like Growth Factor 2 Promotes Osteogenic Cell Differentiation in the Parthenogenetic Murine Embryonic Stem Cells. <i>Tissue Engineering - Part A</i> , 2012, 18, 331-341.	3.1	26
51	Suberoylanilide Hydroxamic Acid Enhances Odontoblast Differentiation. <i>Journal of Dental Research</i> , 2012, 91, 506-512.	5.2	23
52	Tumor necrosis factor- α enhances the transcription of smad ubiquitination regulatory factor 1 in an activating protein-1 and runx2-dependent manner. <i>Journal of Cellular Physiology</i> , 2013, 228, 1076-1086.	4.1	23
53	Analysis of histone deacetylase inhibitor-induced responses in human periodontal ligament fibroblasts. <i>Biotechnology Letters</i> , 2013, 35, 129-133.	2.2	22
54	EGF Inhibits Wnt/ β -Catenin-induced Osteoblast Differentiation by Promoting β -Catenin Degradation. <i>Journal of Cellular Biochemistry</i> , 2015, 116, 2849-2857.	2.6	22

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55	Pin1-mediated Modification Prolongs the Nuclear Retention of β -Catenin in Wnt3a-induced Osteoblast Differentiation. <i>Journal of Biological Chemistry</i> , 2016, 291, 5555-5565.	3.4	22
56	Dexamethasone inhibits the formation of multinucleated osteoclasts via down-regulation of β 3 integrin expression. <i>Archives of Pharmacal Research</i> , 2006, 29, 691-698.	6.3	21
57	Mx2 is required for TNF- α -induced canonical Wnt signaling in 3T3-L1 preadipocytes. <i>Biochemical and Biophysical Research Communications</i> , 2011, 408, 399-404.	2.1	21
58	An HDAC Inhibitor, Entinostat/MS-275, Partially Prevents Delayed Cranial Suture Closure in Heterozygous <i>Runx2</i> Null Mice. <i>Journal of Bone and Mineral Research</i> , 2017, 32, 951-961.	2.8	21
59	Comparative evaluation of the biological properties of fibrin for bone regeneration. <i>BMB Reports</i> , 2014, 47, 110-114.	2.4	21
60	Smurf1 plays a role in EGF inhibition of BMP2-induced osteogenic differentiation. <i>Experimental Cell Research</i> , 2014, 323, 276-287.	2.6	20
61	Comparison of peri-implant bone formation around injection-molded and machined surface zirconia implants in rabbit tibiae. <i>Dental Materials Journal</i> , 2015, 34, 508-515.	1.8	20
62	Bone-related gene profiles in developing calvaria. <i>Gene</i> , 2006, 372, 71-81.	2.2	19
63	Epigenetic Priming Confers Direct Cell Trans-Differentiation From Adipocyte to Osteoblast in a Transgene-Free State. <i>Journal of Cellular Physiology</i> , 2016, 231, 1484-1494.	4.1	19
64	<i>Morinda citrifolia</i> Leaf Extract Enhances Osteogenic Differentiation Through Activation of Wnt/ β -Catenin Signaling. <i>Journal of Medicinal Food</i> , 2018, 21, 57-69.	1.5	18
65	Osteoprotegerin is present on the membrane of osteoclasts isolated from mouse long bones. <i>Experimental and Molecular Medicine</i> , 2002, 34, 347-352.	7.7	17
66	Fibroin particle-supported cationic lipid layers for highly efficient intracellular protein delivery. <i>Biomaterials</i> , 2017, 122, 154-162.	11.4	17
67	Conditions Inducing Excessive O-GlcNAcylation Inhibit BMP2-Induced Osteogenic Differentiation of C2C12 Cells. <i>International Journal of Molecular Sciences</i> , 2018, 19, 202.	4.1	17
68	Blood-testis barrier integrity depends on Pin1 expression in Sertoli cells. <i>Scientific Reports</i> , 2017, 7, 6977.	3.3	16
69	Dimethylxylglycine-embedded Poly(ϵ -caprolactone) Fiber Meshes Promote Odontoblastic Differentiation of Human Dental Pulp-derived Cells. <i>Journal of Endodontics</i> , 2018, 44, 98-103.e1.	3.1	16
70	Regenerative Characteristics of Apical Papilla-derived Cells from Immature Teeth with Pulpal and Periapical Pathosis. <i>Journal of Endodontics</i> , 2016, 42, 1626-1632.	3.1	15
71	The 4-1BB ligand and 4-1BB expressed on osteoclast precursors enhance RANKL-induced osteoclastogenesis via bidirectional signaling. <i>European Journal of Immunology</i> , 2008, 38, 1598-1609.	2.9	14
72	Distal-less homeobox 5 inhibits adipogenic differentiation through the down-regulation of peroxisome proliferator-activated receptor β expression. <i>Journal of Cellular Physiology</i> , 2013, 228, 87-98.	4.1	14

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73	Pin1 Plays a Critical Role as a Molecular Switch in Canonical BMP Signaling. <i>Journal of Cellular Physiology</i> , 2015, 230, 640-647.	4.1	14
74	cAMP/Protein Kinase A Signaling Inhibits Dlx5 Expression via Activation of CREB and Subsequent C/EBP β Induction in 3T3-L1 Preadipocytes. <i>International Journal of Molecular Sciences</i> , 2018, 19, 3161.	4.1	13
75	The Prolyl Hydroxylase Inhibitor Dimethyloxalylglycine Enhances Dentin Sialoposphoprotein Expression through VEGF-Induced Runx2 Stabilization. <i>PLoS ONE</i> , 2014, 9, e112078.	2.5	12
76	Pin1-Mediated Prolyl Isomerization of Runx1 Affects PU.1 Expression in Pre-Monocytes. <i>Journal of Cellular Physiology</i> , 2014, 229, 443-452.	4.1	10
77	Fibrin-Enhanced Canonical Wnt Signaling Directs Plasminogen Expression in Cementoblasts. <i>International Journal of Molecular Sciences</i> , 2017, 18, 2380.	4.1	10
78	Intratesticular Peptidyl Prolyl Isomerase 1 Protein Delivery Using Cationic Lipid-Coated Fibroin Nanoparticle Complexes Rescues Male Infertility in Mice. <i>ACS Nano</i> , 2020, 14, 13217-13231.	14.6	10
79	Synergic induction of human periodontal ligament fibroblast cell death by nitric oxide and N-methyl-D-aspartic acid receptor antagonist. <i>Journal of Periodontal and Implant Science</i> , 2011, 41, 17.	2.0	9
80	Growth differentiation factor 11 locally controls anterior-posterior patterning of the axial skeleton. <i>Journal of Cellular Physiology</i> , 2019, 234, 23360-23368.	4.1	9
81	Myeloid Elf1-like factor stimulates adipogenic differentiation through the induction of peroxisome proliferator-activated receptor β expression in bone marrow. <i>Journal of Cellular Physiology</i> , 2012, 227, 3603-3612.	4.1	8
82	Direct Delivery of Recombinant Pin1 Protein Rescued Osteoblast Differentiation of Pin1-Deficient Cells. <i>Journal of Cellular Physiology</i> , 2017, 232, 2798-2805.	4.1	8
83	Suppression of Runx2 protein degradation by fibrous engineered matrix. <i>Biomaterials</i> , 2011, 32, 5826-5836.	11.4	7
84	Physicochemical properties of dentinogenesis imperfecta with a known DSPP mutation. <i>Archives of Oral Biology</i> , 2020, 117, 104815.	1.8	6
85	Effects of pentoxifylline and tocopherol on an osteoradionecrosis animal model. <i>Journal of Cranio-Maxillo-Facial Surgery</i> , 2020, 48, 621-631.	1.7	5
86	... β - γ - δ - ϵ - ζ - η - θ - ι - κ - λ - μ - ν - ξ - \omicron - π - ρ - σ - τ - υ - ϕ - χ - ψ - ω . <i>Tissue Engineering and Regenerative Medicine</i> , 2015, 12, 11-263.7		4
87	Sinus augmentation using a histone deacetylase inhibitor in a calcium sulfate carrier in rabbit: A pilot study. , 2017, 105, 1916-1923.		4
88	Distal-less homeobox 3, a negative regulator of myogenesis, is downregulated by microRNA-133. <i>Journal of Cellular Biochemistry</i> , 2019, 120, 2226-2235.	2.6	4
89	Time-Dependent Periimplant Bone Reaction of Acidic Monomer-Treated Injection Molded Zirconia Implants in Rabbit Tibiae. <i>Implant Dentistry</i> , 2015, Publish Ahead of Print, 287-93.	1.3	3
90	Enhancing osteoblast differentiation through small molecule-incorporated engineered nanofibrous scaffold. <i>Clinical Oral Investigations</i> , 2022, 26, 2607-2618.	3.0	3

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91	Development of a standardized mucositis and osteoradionecrosis animal model using external radiation. Journal of the Korean Association of Oral and Maxillofacial Surgeons, 2020, 46, 240-249.	0.8	1
92	Cover Image, Volume 234, Number 12, December 2019. Journal of Cellular Physiology, 2019, 234, i.	4.1	0
93	Electron Beam Irradiation to Styela Clava Derived Cellulose Membrane. Porrima, 2015, 39, 947.	0.2	0