

Franz E Weber

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143
papers

7,166
citations

38
h-index

81
g-index

150
ext. papers

7,829
ext. citations

5.5
avg, IF

5.67
L-index

#	Paper	IF	Citations
143	Synthetic matrix metalloproteinase-sensitive hydrogels for the conduction of tissue regeneration: engineering cell-invasion characteristics. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2003 , 100, 5413-8	11.5	1182
142	Repair of bone defects using synthetic mimetics of collagenous extracellular matrices. <i>Nature Biotechnology</i> , 2003 , 21, 513-8	44.5	730
141	Elucidating the role of matrix stiffness in 3D cell migration and remodeling. <i>Biophysical Journal</i> , 2011 , 100, 284-93	2.9	248
140	Biomolecular hydrogels formed and degraded via site-specific enzymatic reactions. <i>Biomacromolecules</i> , 2007 , 8, 3000-7	6.9	234
139	Effect of rhBMP-2 on guided bone regeneration in humans. <i>Clinical Oral Implants Research</i> , 2003 , 14, 556-68	4.8	223
138	Identification of a receptor mediating absorption of dietary cholesterol in the intestine. <i>Biochemistry</i> , 1998 , 37, 17843-50	3.2	217
137	Enzymatic formation of modular cell-instructive fibrin analogs for tissue engineering. <i>Biomaterials</i> , 2007 , 28, 3856-66	15.6	184
136	Synthetic extracellular matrices for in situ tissue engineering. <i>Biotechnology and Bioengineering</i> , 2004 , 86, 27-36	4.9	184
135	The major myosin-binding domain of skeletal muscle MyBP-C (C protein) resides in the COOH-terminal, immunoglobulin C2 motif. <i>Journal of Cell Biology</i> , 1993 , 123, 619-26	7.3	169
134	Control of REM sleep by ventral medulla GABAergic neurons. <i>Nature</i> , 2015 , 526, 435-8	50.4	168
133	Identification of preoptic sleep neurons using retrograde labelling and gene profiling. <i>Nature</i> , 2017 , 545, 477-481	50.4	163
132	Recombinant protein-co-PEG networks as cell-adhesive and proteolytically degradable hydrogel matrixes. Part II: biofunctional characteristics. <i>Biomacromolecules</i> , 2006 , 7, 3019-29	6.9	152
131	Bone repair with a form of BMP-2 engineered for incorporation into fibrin cell ingrowth matrices. <i>Biotechnology and Bioengineering</i> , 2005 , 89, 253-62	4.9	143
130	Bone regeneration by the osteoconductivity of porous titanium implants manufactured by selective laser melting: a histological and micro computed tomography study in the rabbit. <i>Tissue Engineering - Part A</i> , 2013 , 19, 2645-54	3.9	118
129	Dietary tocotrienols reduce concentrations of plasma cholesterol, apolipoprotein B, thromboxane B2, and platelet factor 4 in pigs with inherited hyperlipidemias. <i>American Journal of Clinical Nutrition</i> , 1991 , 53, 1042S-1046S	7	118
128	In vivo and in vitro evaluation of flexible, cottonwool-like nanocomposites as bone substitute material for complex defects. <i>Acta Biomaterialia</i> , 2009 , 5, 1775-84	10.8	103
127	A randomized-controlled clinical trial evaluating clinical and radiological outcomes after 3 and 5 years of dental implants placed in bone regenerated by means of GBR techniques with or without the addition of BMP-2. <i>Clinical Oral Implants Research</i> , 2009 , 20, 660-6	4.8	101

126	Complete sequence of human fast-type and slow-type muscle myosin-binding-protein C (MyBP-C). Differential expression, conserved domain structure and chromosome assignment. <i>FEBS Journal</i> , 1993 , 216, 661-9		93
125	Bone morphogenetic protein-2 enhances bone formation when delivered by a synthetic matrix containing hydroxyapatite/tricalciumphosphate. <i>Clinical Oral Implants Research</i> , 2008 , 19, 188-95	4.8	90
124	Bone healing in the rat and dog with nonglycosylated BMP-2 demonstrating low solubility in fibrin matrices. <i>Journal of Orthopaedic Research</i> , 2004 , 22, 376-81	3.8	90
123	Evaluation of an in situ formed synthetic hydrogel as a biodegradable membrane for guided bone regeneration. <i>Clinical Oral Implants Research</i> , 2006 , 17, 426-33	4.8	75
122	Slow and continuous application of human recombinant bone morphogenetic protein via biodegradable poly(lactide-co-glycolide) foamspheres. <i>International Journal of Oral and Maxillofacial Surgery</i> , 2002 , 31, 60-5	2.9	60
121	Epigenetic Regulation of Bone Remodeling and Its Impacts in Osteoporosis. <i>International Journal of Molecular Sciences</i> , 2016 , 17,	6.3	56
120	Platelet-rich plasma and fibrin as delivery systems for recombinant human bone morphogenetic protein-2. <i>Clinical Oral Implants Research</i> , 2005 , 16, 676-82	4.8	52
119	Molecular cloning of chicken myosin-binding protein (MyBP) H (86-kDa protein) reveals extensive homology with MyBP-C (C-protein) with conserved immunoglobulin C2 and fibronectin type III motifs. <i>Journal of Biological Chemistry</i> , 1993 , 268, 3670-6	5.4	51
118	Engineering 3D cell instructive microenvironments by rational assembly of artificial extracellular matrices and cell patterning. <i>Integrative Biology (United Kingdom)</i> , 2011 , 3, 1102-11	3.7	47
117	N-methyl pyrrolidone as a potent bone morphogenetic protein enhancer for bone tissue regeneration. <i>Tissue Engineering - Part A</i> , 2009 , 15, 2955-63	3.9	47
116	Molecular cloning of a peroxisomal Ca ²⁺ -dependent member of the mitochondrial carrier superfamily. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997 , 94, 8509-14	11.5	47
115	Inhibition of osteoclast differentiation and bone resorption by N-methylpyrrolidone. <i>Journal of Biological Chemistry</i> , 2011 , 286, 24458-66	5.4	43
114	Absorption of monoacylglycerols by small intestinal brush border membrane. <i>Biochemistry</i> , 1994 , 33, 4500-8	3.2	43
113	Osteoconductive Microarchitecture of Bone Substitutes for Bone Regeneration Revisited. <i>Frontiers in Physiology</i> , 2018 , 9, 960	4.6	42
112	Intraoperative engineering of osteogenic grafts combining freshly harvested, human adipose-derived cells and physiological doses of bone morphogenetic protein-2. <i>European Cells and Materials</i> , 2012 , 24, 308-19	4.3	42
111	Bone regeneration using a synthetic matrix containing a parathyroid hormone peptide combined with a grafting material. <i>International Journal of Oral and Maxillofacial Implants</i> , 2007 , 22, 258-66	2.8	42
110	Evaluation of moldable, in situ hardening calcium phosphate bone graft substitutes. <i>Clinical Oral Implants Research</i> , 2013 , 24, 149-57	4.8	40
109	In vitro response of primary human bone marrow stromal cells to recombinant human bone morphogenic protein-2 in the early and late stages of osteoblast differentiation. <i>Development Growth and Differentiation</i> , 2008 , 50, 553-64	3	40

108	Human myosin-binding protein H (MyBP-H): complete primary sequence, genomic organization, and chromosomal localization. <i>Genomics</i> , 1993 , 16, 34-40	4.3	39
107	A randomized controlled clinical multicenter trial comparing the clinical and histological performance of a new, modified polylactide-co-glycolide acid membrane to an expanded polytetrafluorethylene membrane in guided bone regeneration procedures. <i>Clinical Oral Implants Research</i> , 2014 , 25, 150-8	4.8	38
106	Bone regeneration in the presence of a synthetic hydroxyapatite/silica oxide-based and a xenogenic hydroxyapatite-based bone substitute material. <i>Clinical Oral Implants Research</i> , 2011 , 22, 506-11	4.8	38
105	A novel, tissue occlusive poly(ethylene glycol) hydrogel material. <i>Journal of Biomedical Materials Research - Part A</i> , 2008 , 85, 285-92	5.4	38
104	Changes in free and bound forms and total amount of hexokinase isozyme II of rat muscle in response to contractile activity. <i>FEBS Journal</i> , 1990 , 191, 85-90		38
103	Influence of Microarchitecture on Osteoconduction and Mechanics of Porous Titanium Scaffolds Generated by Selective Laser Melting. <i>3D Printing and Additive Manufacturing</i> , 2016 , 3, 142-151	4	37
102	Treatment of nonunions with nonglycosylated recombinant human bone morphogenetic protein-2 delivered from a fibrin matrix. <i>Veterinary Surgery</i> , 2004 , 33, 112-8	1.7	37
101	The zirconia implant-bone interface: a preliminary histologic evaluation in rabbits. <i>International Journal of Oral and Maxillofacial Implants</i> , 2008 , 23, 691-5	2.8	37
100	A versatile approach to engineering biomolecule-presenting cellular microenvironments. <i>Advanced Healthcare Materials</i> , 2013 , 2, 292-6	10.1	36
99	Guided bone regeneration with a synthetic biodegradable membrane: a comparative study in dogs. <i>Clinical Oral Implants Research</i> , 2011 , 22, 802-7	4.8	36
98	BMP-2 and BMP-2/7 Heterodimers Conjugated to a Fibrin/Hyaluronic Acid Hydrogel in a Large Animal Model of Mild Intervertebral Disc Degeneration. <i>BioResearch Open Access</i> , 2015 , 4, 398-406	2.4	34
97	Fibrin gel improves tissue ingrowth and cell differentiation in human immature premolars implanted in rats. <i>Journal of Endodontics</i> , 2014 , 40, 246-50	4.7	34
96	Disulfide bridge conformers of mature BMP are inhibitors for heterotopic ossification. <i>Biochemical and Biophysical Research Communications</i> , 2001 , 286, 554-8	3.4	32
95	Heterodimeric BMP-2/7 for nucleus pulposus regeneration-In vitro and ex vivo studies. <i>Journal of Orthopaedic Research</i> , 2017 , 35, 51-60	3.8	31
94	A comparative study of sterol absorption in different small-intestinal brush border membrane models. <i>Journal of Lipid Research</i> , 1996 , 37, 2405-2419	6.3	30
93	Decreased Fibrogenesis After Treatment with Pirfenidone in a Newly Developed Mouse Model of Intestinal Fibrosis. <i>Inflammatory Bowel Diseases</i> , 2016 , 22, 569-82	4.5	30
92	Reconsidering Osteoconduction in the Era of Additive Manufacturing. <i>Tissue Engineering - Part B: Reviews</i> , 2019 , 25, 375-386	7.9	29
91	Modular poly(ethylene glycol) matrices for the controlled 3D-localized osteogenic differentiation of mesenchymal stem cells. <i>Advanced Healthcare Materials</i> , 2015 , 4, 550-8	10.1	29

90	Effects of Stem Cell Factor on Cell Homing During Functional Pulp Regeneration in Human Immature Teeth. <i>Tissue Engineering - Part A</i> , 2017 , 23, 115-123	3.9	29
89	Comparison of cholesterol and sitosterol uptake in different brush border membrane models. <i>Biochemistry</i> , 1997 , 36, 6643-52	3.2	29
88	Cholesteryl ester absorption by small intestinal brush border membrane is protein-mediated. <i>Biochemistry</i> , 1995 , 34, 16473-82	3.2	29
87	cAMP enhances BMP2-signaling through PKA and MKP1-dependent mechanisms. <i>Biochemical and Biophysical Research Communications</i> , 2009 , 381, 247-52	3.4	28
86	Mechanical loading of mouse caudal vertebrae increases trabecular and cortical bone mass-dependence on dose and genotype. <i>Biomechanics and Modeling in Mechanobiology</i> , 2010 , 9, 737-47 ^{3.8}	3.8	28
85	Comparison of two resorbable membrane systems in bone regeneration after removal of wisdom teeth: a randomized-controlled clinical pilot study. <i>Clinical Oral Implants Research</i> , 2009 , 20, 1084-91	4.8	26
84	Synergistic action of static stretching and BMP-2 stimulation in the osteoblast differentiation of C2C12 myoblasts. <i>Journal of Biomechanics</i> , 2009 , 42, 2721-7	2.9	25
83	Reconstitution and further characterization of the cholesterol transport activity of the small-intestinal brush border membrane. <i>Biochemistry</i> , 1997 , 36, 10784-92	3.2	25
82	Analysis of hydrolyzable polyethylene glycol hydrogels and deproteinized bone mineral as delivery systems for glycosylated and non-glycosylated bone morphogenetic protein-2. <i>Acta Biomaterialia</i> , 2012 , 8, 116-23	10.8	24
81	The epigenetically active small chemical N-methyl pyrrolidone (NMP) prevents estrogen depletion induced osteoporosis. <i>Bone</i> , 2015 , 78, 114-21	4.7	23
80	Enhanced osteoblastic activity and bone regeneration using surface-modified porous bioactive glass scaffolds. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 94, 1023-33	5.4	23
79	N-methyl pyrrolidone (NMP) inhibits lipopolysaccharide-induced inflammation by suppressing NF- κ B signaling. <i>Inflammation Research</i> , 2015 , 64, 527-36	7.2	22
78	Delivery of BMP-2 by two clinically available apatite materials: in vitro and in vivo comparison. <i>Journal of Biomedical Materials Research - Part A</i> , 2015 , 103, 628-38	5.4	22
77	Characterization of lipid exchange proteins isolated from small intestinal brush border membrane. <i>Journal of Biological Chemistry</i> , 1995 , 270, 5917-25	5.4	22
76	Longitudinal in vivo evaluation of bone regeneration by combined measurement of multi-pinhole SPECT and micro-CT for tissue engineering. <i>Scientific Reports</i> , 2015 , 5, 10238	4.9	21
75	Effect of cerium chloride application on fibroblast and osteoblast proliferation and differentiation. <i>Archives of Oral Biology</i> , 2012 , 57, 892-7	2.8	21
74	Biomimetic PEG hydrogels crosslinked with minimal plasmin-sensitive tri-amino acid peptides. <i>Journal of Biomedical Materials Research - Part A</i> , 2010 , 93, 870-7	5.4	21
73	Smart Hydrogels for the Augmentation of Bone Regeneration by Endogenous Mesenchymal Progenitor Cell Recruitment. <i>Advanced Science</i> , 2020 , 7, 1903395	13.6	20

72	A comparative study of sterol absorption in different small-intestinal brush border membrane models. <i>Journal of Lipid Research</i> , 1996 , 37, 2405-19	6.3	20
71	Biodegradation, soft and hard tissue integration of various polyethylene glycol hydrogels: a histomorphometric study in rabbits. <i>Clinical Oral Implants Research</i> , 2011 , 22, 1247-54	4.8	19
70	High power-pulsed Nd:YAG laser as a new stimulus to induce BMP-2 expression in MC3T3-E1 osteoblasts. <i>Lasers in Surgery and Medicine</i> , 2010 , 42, 510-8	3.6	19
69	The uptake of cholesterol at the small-intestinal brush border membrane is inhibited by apolipoproteins. <i>FEBS Letters</i> , 1997 , 411, 7-11	3.8	19
68	Effect of short-time povidone-iodine application on osteoblast proliferation and differentiation. <i>Open Dentistry Journal</i> , 2009 , 3, 208-12	0.8	19
67	In pre-sterol carrier protein 2 (SCP2) in solution the leader peptide 1-20 is flexibly disordered, and residues 21-143 adopt the same globular fold as in mature SCP2. <i>Cellular and Molecular Life Sciences</i> , 1998 , 54, 751-9	10.3	18
66	Enzyme mediated site-specific surface modification. <i>Langmuir</i> , 2010 , 26, 11127-34	4	17
65	Enhancement of bone healing using non-glycosylated rhBMP-2 released from a fibrin matrix in dogs and cats. <i>Journal of Small Animal Practice</i> , 2005 , 46, 17-21	1.6	17
64	Preclinical Performance of Novel Biodegradable, Electrospun Poly(lactic acid) and Poly(lactic-co-glycolic acid) Nanocomposites: A Review. <i>Materials</i> , 2015 , 8, 4912-4931	3.5	16
63	Biomimetic Conditioning of Human Dentin Using Citric Acid. <i>Journal of Endodontics</i> , 2019 , 45, 45-50	4.7	16
62	Fibrin Hydrogel Based Bone Substitute Tethered with BMP-2 and BMP-2/7 Heterodimers. <i>Materials</i> , 2015 , 8, 977-991	3.5	15
61	Pulp-Derived Exosomes in a Fibrin-Based Regenerative Root Filling Material. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	15
60	Osteoconductive Lattice Microarchitecture for Optimized Bone Regeneration. <i>3D Printing and Additive Manufacturing</i> , 2019 , 6, 40-49	4	15
59	Contractile activity enhances the synthesis of hexokinase II in rat skeletal muscle. <i>FEBS Letters</i> , 1988 , 238, 71-3	3.8	15
58	The Use of Adipose Tissue-Derived Progenitors in Bone Tissue Engineering - a Review. <i>Transfusion Medicine and Hemotherapy</i> , 2016 , 43, 336-343	4.2	15
57	Effect of platelet-derived growth factor-BB on tissue integration of cross-linked and non-cross-linked collagen matrices in a rat ectopic model. <i>Clinical Oral Implants Research</i> , 2015 , 26, 263-70 ⁸	4.8	14
56	From Influenza Virus to Novel Corona Virus (SARS-CoV-2)-The Contribution of Obesity. <i>Frontiers in Endocrinology</i> , 2020 , 11, 556962	5.7	14
55	Cell-Mediated Proteolytic Release of Growth Factors from Poly(Ethylene Glycol) Matrices. <i>Macromolecular Bioscience</i> , 2016 , 16, 1703-1713	5.5	14

54	Comparative study of NMP-preloaded and dip-loaded membranes for guided bone regeneration of rabbit cranial defects. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2017 , 11, 425-433	4.4	14
53	Cerium Chloride Application Promotes Wound Healing and Cell Proliferation in Human Foreskin Fibroblasts. <i>Materials</i> , 2017 , 10,	3.5	14
52	Rapid up- and down-regulation of hexokinase II in rat skeletal muscle in response to altered contractile activity. <i>FEBS Letters</i> , 1990 , 261, 291-3	3.8	14
51	N-methyl pyrrolidone/bone morphogenetic protein-2 double delivery with in situ forming implants. <i>Journal of Controlled Release</i> , 2015 , 203, 181-8	11.7	13
50	Immobilization of chondroitin sulfate to lipid membranes and its interactions with ECM proteins. <i>Journal of Colloid and Interface Science</i> , 2013 , 390, 258-66	9.3	12
49	Novel membrane for guided bone regeneration. <i>International Journal of Artificial Organs</i> , 2006 , 29, 834-40		12
48	N,N Dimethylacetamide a drug excipient that acts as bromodomain ligand for osteoporosis treatment. <i>Scientific Reports</i> , 2017 , 7, 42108	4.9	11
47	Modeling the mammalian sleep cycle. <i>Current Opinion in Neurobiology</i> , 2017 , 46, 68-75	7.6	11
46	Biomaterial development for oral and maxillofacial bone regeneration. <i>Journal of the Korean Association of Oral and Maxillofacial Surgeons</i> , 2012 , 38, 264	1.6	11
45	Screening recurrence and lymph node metastases in head and neck cancer: the role of computer tomography in follow-up. <i>Head & Neck Oncology</i> , 2011 , 3, 18		11
44	Artificial extracellular matrices for bone tissue engineering. <i>Bone</i> , 2008 , 42, S72	4.7	11
43	Bone augmentation using a synthetic hydroxyapatite/silica oxide-based and a xenogenic hydroxyapatite-based bone substitute materials with and without recombinant human bone morphogenetic protein-2. <i>Clinical Oral Implants Research</i> , 2015 , 26, 592-8	4.8	10
42	The bromodomain inhibitor N-methyl pyrrolidone reduced fat accumulation in an ovariectomized rat model. <i>Clinical Epigenetics</i> , 2016 , 8, 42	7.7	10
41	Lattice Microarchitecture for Bone Tissue Engineering from Calcium Phosphate Compared to Titanium. <i>Tissue Engineering - Part A</i> , 2018 , 24, 1554-1561	3.9	10
40	Bone regeneration using a synthetic matrix containing enamel matrix derivate. <i>Clinical Oral Implants Research</i> , 2011 , 22, 214-22	4.8	10
39	Deletion mutants of BMP folding variants act as BMP antagonists and are efficient inhibitors for heterotopic ossification. <i>Journal of Bone and Mineral Research</i> , 2003 , 18, 2142-51	6.3	10
38	Effect of direct current on surface structure and cytocompatibility of titanium dental implants. <i>International Journal of Oral and Maxillofacial Implants</i> , 2014 , 29, 735-42	2.8	9
37	Effect of different rhBMP-2 and TG-VEGF ratios on the formation of heterotopic bone and neovessels. <i>BioMed Research International</i> , 2014 , 2014, 571510	3	9

36	Coupling plowing of cartilage explants with gene expression in models for synovial joints. <i>Journal of Biomechanics</i> , 2011 , 44, 2472-6	2.9	9
35	Design, construction and validation of a computer controlled system for functional loading of soft tissue. <i>Medical Engineering and Physics</i> , 2011 , 33, 677-83	2.4	9
34	Regenerative Dentistry: Animal Model for Regenerative Endodontology. <i>Transfusion Medicine and Hemotherapy</i> , 2016 , 43, 359-364	4.2	8
33	Neural and Homeostatic Regulation of REM Sleep. <i>Frontiers in Psychology</i> , 2020 , 11, 1662	3.4	8
32	Microporosities in 3D-Printed Tricalcium-Phosphate-Based Bone Substitutes Enhance Osteoconduction and Affect Osteoclastic Resorption. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	8
31	Biodegradation and tissue integration of various polyethylene glycol matrices: a comparative study in rabbits. <i>Clinical Oral Implants Research</i> , 2017 , 28, e244-e251	4.8	7
30	Epigenetic drugs as new therapy for tumor necrosis factor- α -compromised bone healing. <i>Bone</i> , 2019 , 127, 49-58	4.7	7
29	Role of HTRA1 in bone formation and regeneration: In vitro and in vivo evaluation. <i>PLoS ONE</i> , 2017 , 12, e0181600	3.7	7
28	The optimal microarchitecture of 3D-printed β -TCP bone substitutes for vertical bone augmentation differs from that for osteoconduction. <i>Materials and Design</i> , 2021 , 204, 109650	8.1	7
27	Impact of recombinant platelet-derived growth factor BB on bone regeneration: a study in rabbits. <i>International Journal of Periodontics and Restorative Dentistry</i> , 2012 , 32, 195-202	2.1	7
26	Iodixanol as a Contrast Agent in a Fibrin Hydrogel for Endodontic Applications. <i>Frontiers in Physiology</i> , 2017 , 8, 152	4.6	6
25	A model system of the dynamic loading occurring in synovial joints: the biological effect of plowing on pristine cartilage. <i>Cells Tissues Organs</i> , 2014 , 199, 364-72	2.1	6
24	Laser-induced temperature changes in dentine. <i>Photomedicine and Laser Surgery</i> , 2003 , 21, 375-81		6
23	N, N-Dimethylacetamide, an FDA approved excipient, acts post-meiotically to impair spermatogenesis and cause infertility in rats. <i>Chemosphere</i> , 2020 , 256, 127001	8.4	5
22	Transforming Growth Factor Beta 1 Distribution and Content in the Root Dentin of Young Mature and Immature Human Premolars. <i>Journal of Endodontics</i> , 2020 , 46, 641-647	4.7	5
21	Effects of β T radiation on tissue engineered bone-like constructs. <i>Biomedizinische Technik</i> , 2010 , 55, 245-50	1.3	5
20	cDNA cloning and sequence comparisons of human and chicken muscle C-protein and 86kD protein. <i>Symposia of the Society for Experimental Biology</i> , 1992 , 46, 167-77		5
19	Influence of N-methyl pyrrolidone on the activity of the pulp-dentine complex and bone integrity during osteoporosis. <i>International Endodontic Journal</i> , 2017 , 50, 271-280	5.4	4

18	The Release of the Bromodomain Ligand Dimethylacetamide Adds Bioactivity to a Resorbable Guided Bone Regeneration Membrane in a Rabbit Calvarial Defect Model. <i>Materials</i> , 2020 , 13,	3.5	4
17	Properties and Mechanobiological Behavior of Bovine Nasal Septum Cartilage. <i>Annals of Biomedical Engineering</i> , 2016 , 44, 1821-31	4.7	4
16	The Bromodomain Inhibitor -Methyl pyrrolidone Prevents Osteoporosis and BMP-Triggered Sclerostin Expression in Osteocytes. <i>International Journal of Molecular Sciences</i> , 2018 , 19,	6.3	4
15	Automatic registration of 2D histological sections to 3D microCT volumes: Trabecular bone. <i>Bone</i> , 2017 , 105, 173-183	4.7	3
14	Pretreatment thrombocytosis: a prognostic marker for oral squamous cell carcinoma?. <i>Oral and Maxillofacial Surgery</i> , 2012 , 16, 197-200	1.6	3
13	Introduction of the Anspach drill as a novel surgical driller for creating calvarial defects in animal models. <i>Journal of Orthopaedic Research</i> , 2019 , 37, 1183-1191	3.8	2
12	Mechanical anisotropy of titanium scaffolds. <i>Current Directions in Biomedical Engineering</i> , 2017 , 3, 607-615	1.5	2
11	Heterotopic bone formation around vessels: pilot study of a new animal model. <i>BioResearch Open Access</i> , 2013 , 2, 266-72	2.4	2
10	Similar inductive effects of enamel and dentin matrix derivatives on osteoblast-like cell response over SLA titanium surface. <i>Archives of Oral Biology</i> , 2020 , 109, 104552	2.8	2
9	3D-Printed HA-Based Scaffolds for Bone Regeneration: Microporosity, Osteoconduction and Osteoclastic Resorption.. <i>Materials</i> , 2022 , 15,	3.5	2
8	N,N-Dimethylacetamide Prevents the High-Fat Diet-Induced Increase in Body Weight. <i>Frontiers in Pharmacology</i> , 2019 , 10, 1274	5.6	1
7	Antimicrobial peptide gene expression in medication-related osteonecrosis of the jaw. <i>Pathology Research and Practice</i> , 2020 , 216, 153245	3.4	0
6	Exposure to the bromodomain inhibitor N-methyl pyrrolidone blocks spermatogenesis in a hormonal and non-hormonal fashion. <i>Toxicology and Applied Pharmacology</i> , 2021 , 423, 115568	4.6	0
5	Guest speakers lectures, oral presentations, clinical case presentations. <i>ArgoSpine News and Journal</i> , 2012 , 24, 95-142		
4	D4 Digital Channel Bank Family: Dataport [Digital access through D4. <i>Bell System Technical Journal</i> , 1982 , 61, 2703-2720		
3	Use of Natural Bovine BMP in Cranio-Maxillofacial Surgery 2002 , 329-338		
2	Effect of Small Chemicals like N-Methyl Pyrrolidone (NMP) on the Orchestration of Bone Remodeling by Osteocytes. <i>FASEB Journal</i> , 2015 , 29, 1027.4	0.9	
1	Reversible Contraceptive Potential of FDA Approved Excipient N, N-Dimethylacetamide in Male Rats. <i>Frontiers in Physiology</i> , 2020 , 11, 601084	4.6	

