

Magnus TÃ¸gil

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2769948/publications.pdf>

Version: 2024-02-01

61
papers

1,645
citations

218381

26
h-index

315357

38
g-index

66
all docs

66
docs citations

66
times ranked

1795
citing authors

#	ARTICLE	IF	CITATIONS
1	Nano-Hydroxyapatite Bone Substitute Functionalized with Bone Active Molecules for Enhanced Cranial Bone Regeneration. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 6816-6828.	4.0	91
2	Augmentation of autologous bone graft by a combination of bone morphogenic protein and bisphosphonate increased both callus volume and strength. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 84, 106-111.	1.2	69
3	Intermittent PTH(1-34) does not increase union rates in open rat femoral fractures and exhibits attenuated anabolic effects compared to closed fractures. <i>Bone</i> , 2010, 46, 852-859.	1.4	67
4	Guided tissue engineering for healing of cancellous and cortical bone using a combination of biomaterial based scaffolding and local bone active molecule delivery. <i>Biomaterials</i> , 2019, 188, 38-49.	5.7	65
5	Osteotomy of distal radius fracture malunion using a fast remodeling bone substitute consisting of calcium sulphate and calcium phosphate. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2010, 92B, 281-286.	1.6	63
6	Investigating the synergistic efficacy of BMP-7 and zoledronate on bone allografts using an open rat osteotomy model. <i>Bone</i> , 2013, 56, 440-448.	1.4	60
7	Gelatin- hydroxyapatite- calcium sulphate based biomaterial for long term sustained delivery of bone morphogenic protein-2 and zoledronic acid for increased bone formation: In-vitro and in-vivo carrier properties. <i>Journal of Controlled Release</i> , 2018, 272, 83-96.	4.8	58
8	The composite of hydroxyapatite and calcium sulphate: a review of preclinical evaluation and clinical applications. <i>Expert Review of Medical Devices</i> , 2013, 10, 675-684.	1.4	56
9	Cartilage induction by controlled mechanical stimulation in vivo. <i>Journal of Orthopaedic Research</i> , 1999, 17, 200-204.	1.2	54
10	A Biphasic Calcium Sulphate/Hydroxyapatite Carrier Containing Bone Morphogenic Protein-2 and Zoledronic Acid Generates Bone. <i>Scientific Reports</i> , 2016, 6, 26033.	1.6	52
11	Arthroscopically Diagnosed Scapholunate Ligament Injuries Associated With Distal Radial Fractures: A 13- to 15-Year Follow-Up. <i>Journal of Hand Surgery</i> , 2015, 40, 1077-1082.	0.7	48
12	Fibrous tissue armoring increases the mechanical strength of an impacted bone graft. <i>Acta Orthopaedica</i> , 2001, 72, 78-82.	1.4	47
13	Biocomposite macroporous cryogels as potential carrier scaffolds for bone active agents augmenting bone regeneration. <i>Journal of Controlled Release</i> , 2016, 235, 365-378.	4.8	45
14	A facile one-stage treatment of critical bone defects using a calcium sulfate/hydroxyapatite biomaterial providing spatiotemporal delivery of bone morphogenic protein-2 and zoledronic acid. <i>Science Advances</i> , 2020, 6, .	4.7	42
15	Reduced expression of BMP-3 due to mechanical loading: A link between mechanical stimuli and tissue differentiation. <i>Acta Orthopaedica</i> , 2000, 71, 558-562.	1.4	41
16	Characterization of the bone-metal implant interface by Digital Volume Correlation of in-situ loading using neutron tomography. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2017, 75, 271-278.	1.5	41
17	Fragment-Specific Fixation Versus Volar Locking Plates in Primarily Nonreducible or Secondarily Redispaced Distal Radius Fractures: A Randomized Controlled Study. <i>Journal of Hand Surgery</i> , 2017, 42, 156-165.e1.	0.7	40
18	Bone graft proteins influence osteoconduction: A titanium chamber study in rats. <i>Acta Orthopaedica</i> , 1996, 67, 377-382.	1.4	34

#	ARTICLE	IF	CITATIONS
19	Biomodulation of an implant for enhanced bone-implant anchorage. Acta Biomaterialia, 2019, 96, 619-630.	4.1	34
20	Alendronate prevents collapse in mechanically loaded osteochondral grafts A bone chamber study in rats. Acta Orthopaedica, 2004, 75, 756-761.	1.4	32
21	Sustained and controlled delivery of doxorubicin from an in-situ setting biphasic hydroxyapatite carrier for local treatment of a highly proliferative human osteosarcoma. Acta Biomaterialia, 2021, 131, 555-571.	4.1	31
22	No augmentation of morselized and impacted bone graft by OP-1 in a weight-bearing model. Acta Orthopaedica, 2003, 74, 742-748.	1.4	30
23	Neutron tomographic imaging of bone-implant interface: Comparison with X-ray tomography. Bone, 2017, 103, 295-301.	1.4	29
24	Antibiotic containing bone cement in prevention of hip and knee prosthetic joint infections: A systematic review and meta-analysis. Journal of Orthopaedic Translation, 2020, 23, 53-60.	1.9	29
25	Systemic zoledronate precoating of a bone graft reduces bone resorption during remodeling. Monthly Notices of the Royal Astronomical Society: Letters, 2006, 77, 23-26.	1.2	28
26	Osteotomy of dorsally displaced malunited fractures of the distal radius: No loss of radiographic correction during healing with a minimally invasive fixation technique and an injectable bone substitute. Monthly Notices of the Royal Astronomical Society: Letters, 2008, 79, 262-268.	1.2	28
27	A biphasic nanohydroxyapatite/calcium sulphate carrier containing Rifampicin and Isoniazid for local delivery gives sustained and effective antibiotic release and prevents biofilm formation. Scientific Reports, 2020, 10, 14128.	1.6	28
28	Incomplete incorporation of morselized and impacted autologous bone graft: A histological study in 4 intracorporally grafted lumbar fractures. Acta Orthopaedica, 1999, 70, 555-558.	1.4	24
29	Distal Radioulnar Joint Replacement. Techniques in Hand and Upper Extremity Surgery, 2007, 11, 109-114.	0.3	23
30	<sup />Composite Biomaterial as a Carrier for Bone-Active Substances for Metaphyseal Tibial Bone Defect Reconstruction in Rats. Tissue Engineering - Part A, 2017, 23, 1403-1412.	1.6	23
31	Calcium Sulphate/Hydroxyapatite Carrier for Bone Formation in the Femoral Neck of Osteoporotic Rats. Tissue Engineering - Part A, 2018, 24, 1753-1764.	1.6	21
32	Study of <i>in Vitro</i> and <i>in Vivo</i> Bone Formation in Composite Cryogels and the Influence of Electrical Stimulation. International Journal of Biological Sciences, 2015, 11, 1325-1336.	2.6	20
33	Investigating the Mechanical Characteristics of Bone-Metal Implant Interface Using in situ Synchrotron Tomographic Imaging. Frontiers in Bioengineering and Biotechnology, 2018, 6, 208.	2.0	20
34	Similar 1-year subjective outcome after a distal radius fracture during the 10-year-period 2003â€“2012. Monthly Notices of the Royal Astronomical Society: Letters, 2017, 88, 451-456.	1.2	19
35	Fracture strength of the proximal femur injected with a calcium sulfate/hydroxyapatite bone substitute. Clinical Biomechanics, 2019, 63, 172-178.	0.5	19
36	Synthetic hydroxyapatite: a recruiting platform for biologically active molecules. Monthly Notices of the Royal Astronomical Society: Letters, 2020, 91, 126-132.	1.2	19

#	ARTICLE	IF	CITATIONS
37	The morselized and impacted bone graft. <i>Acta Orthopaedica</i> , 2000, 71, i-40.	1.4	18
38	Influence of systemic bisphosphonate treatment on mechanical properties of BMP-induced calluses in a rat fracture model: Comparison of three-point bending and twisting test. <i>Journal of Orthopaedic Research</i> , 2014, 32, 721-726.	1.2	17
39	Tissue reaction and material biodegradation of a calcium sulfate/apatite biphasic bone substitute in rat muscle. <i>Journal of Orthopaedic Translation</i> , 2016, 6, 10-17.	1.9	16
40	Bone Damage Evolution Around Integrated Metal Screws Using X-Ray Tomography "in situ Pullout and Digital Volume Correlation. <i>Frontiers in Bioengineering and Biotechnology</i> , 2020, 8, 934.	2.0	16
41	The compositional and nano-structural basis of fracture healing in healthy and osteoporotic bone. <i>Scientific Reports</i> , 2018, 8, 1591.	1.6	15
42	Intermediate-Term Outcome After Distal Radius Fracture in Patients With Poor Outcome at 1 Year: A Register Study With a 2- to 12-Year Follow-Up. <i>Journal of Hand Surgery</i> , 2019, 44, 39-45.	0.7	15
43	CSA-90 reduces periprosthetic joint infection in a novel rat model challenged with local and systemic <i>Staphylococcus aureus</i> . <i>Journal of Orthopaedic Research</i> , 2020, 38, 2065-2073.	1.2	10
44	A combined fracture and mortality risk index useful for treatment stratification in hip fragility fractures. <i>Joint Diseases and Related Surgery</i> , 2021, 32, 583-589.	0.6	10
45	Bone morphology in relation to the migration of porous-coated anatomic knee arthroplasties. <i>Journal of Arthroplasty</i> , 2003, 18, 649-653.	1.5	9
46	¹⁸ F-fluoride as a prognostic indicator of bone regeneration. <i>Acta Biomaterialia</i> , 2019, 90, 403-411.	4.1	9
47	Longitudinal in vivo monitoring of callus remodeling in BMP-7 and Zoledronate-treated fractures. <i>Journal of Orthopaedic Research</i> , 2020, 38, 1905-1913.	1.2	9
48	Long-Term Response to a Bioactive Biphasic Biomaterial in the Femoral Neck of Osteoporotic Rats. <i>Tissue Engineering - Part A</i> , 2020, 26, 1042-1051.	1.6	9
49	Dual modality neutron and x-ray tomography for enhanced image analysis of the bone-metal interface. <i>Physics in Medicine and Biology</i> , 2021, 66, 135016.	1.6	9
50	Bone mineral: A trojan horse for bone cancers. Efficient mitochondria targeted delivery and tumor eradication with nano hydroxyapatite containing doxorubicin. <i>Materials Today Bio</i> , 2022, 14, 100227.	2.6	9
51	Do we have an opioid crisis in Scandinavia? Time to act?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 89, 368-368.	1.2	7
52	Augmenting a dynamic hip screw with a calcium sulfate/hydroxyapatite biomaterial. <i>Medical Engineering and Physics</i> , 2021, 92, 102-109.	0.8	7
53	Different microbial and resistance patterns in primary total knee arthroplasty infections "a report on 283 patients from Lithuania and Sweden. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 800.	0.8	6
54	A New Augmentation Method for Improved Screw Fixation in Fragile Bone. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 816250.	2.0	6

#	ARTICLE	IF	CITATIONS
55	Synthesis and Characterization of a Biocomposite Bone Bandage for Controlled Delivery of Bone-Active Drugs in Fracture Nonunions. <i>ACS Biomaterials Science and Engineering</i> , 2020, 6, 2867-2878.	2.6	5
56	Comparative effectiveness research on proximal femoral nail versus dynamic hip screw in patients with trochanteric fractures: a systematic review and meta-analysis of randomized trials. <i>Journal of Orthopaedic Surgery and Research</i> , 2022, 17, .	0.9	5
57	Decreased migration with locally administered bisphosphonate in cemented cup revisions using impaction bone grafting technique. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2018, 89, 17-22.	1.2	4
58	Recycling implants: a sustainable solution for musculoskeletal research. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2020, 91, 125-125.	1.2	3
59	Locally administered bisphosphonate in hip stem revisions using the bone impaction grafting technique: a randomised, placebo-controlled study with DXA and five-year RSA follow-up. <i>HIP International</i> , 2019, 29, 26-34.	0.9	1
60	Intravenous regional administration of corticosteroids in juvenile chronic arthritis. <i>Acta Orthopaedica</i> , 2004, 75, 352-354.	1.4	0
61	Bone Remodeling after Ulna Head Replacement in Distal Radioulnar Joint Arthroplasty: A Radiographic Comparison between a Partial and a Total Ulna Head Concept. <i>Journal of Wrist Surgery</i> , 0, , .	0.3	0