

Guo-Xin Ni

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

2,247
citations

257101

24
h-index

243296

44
g-index

84
all docs

84
docs citations

84
times ranked

3265
citing authors

#	ARTICLE	IF	CITATIONS
1	Chemical composition, crystal size and lattice structural changes after incorporation of strontium into biomimetic apatite. <i>Biomaterials</i> , 2007, 28, 1452-1460.	5.7	291
2	A Novel Patient-Specific Navigational Template for Cervical Pedicle Screw Placement. <i>Spine</i> , 2009, 34, E959-E966.	1.0	124
3	Strontium-containing hydroxyapatite bioactive bone cement in revision hip arthroplasty. <i>Biomaterials</i> , 2006, 27, 4348-4355.	5.7	117
4	Post-traumatic osteoarthritis following ACL injury. <i>Arthritis Research and Therapy</i> , 2020, 22, 57.	1.6	107
5	Interfacial behaviour of strontium-containing hydroxyapatite cement with cancellous and cortical bone. <i>Biomaterials</i> , 2006, 27, 5127-5133.	5.7	90
6	Cell-laden photocrosslinked GelMA/DexMA copolymer hydrogels with tunable mechanical properties for tissue engineering. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 2173-2183.	1.7	76
7	Strontium-containing hydroxyapatite (Sr-HA) bioactive cement for primary hip replacement: An in vivo study. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2006, 77B, 409-415.	1.6	69
8	Infrapatellar Fat Pad and Knee Osteoarthritis. , 2020, 11, 1317.		65
9	Biomimetically-mineralized composite coatings on titanium functionalized with gelatin methacrylate hydrogels. <i>Applied Surface Science</i> , 2013, 279, 293-299.	3.1	64
10	The effect of strontium incorporation in hydroxyapatite on osteoblasts in vitro. <i>Journal of Materials Science: Materials in Medicine</i> , 2011, 22, 961-967.	1.7	63
11	Tai Chi Improves Physical Function in Older Chinese Women With Knee Osteoarthritis. <i>Journal of Clinical Rheumatology</i> , 2010, 16, 64-67.	0.5	58
12	Aspirin and osteoarthritis. <i>Osteoarthritis and Cartilage</i> , 2015, 23, 933-939.	0.6	57
13	Effect of thermal treatment on carbonated hydroxyapatite: Morphology, composition, crystal characteristics and solubility. <i>Ceramics International</i> , 2015, 41, 6149-6157.	2.3	55
14	The role of small leucine-rich proteoglycans in osteoarthritis pathogenesis. <i>Osteoarthritis and Cartilage</i> , 2014, 22, 896-903.	0.6	51
15	Intensity-Dependent Effect of Treadmill Running on Knee Articular Cartilage in a Rat Model. <i>BioMed Research International</i> , 2013, 2013, 1-9.	0.9	49
16	Nano-mechanics of bone and bioactive bone cement interfaces in a load-bearing model. <i>Biomaterials</i> , 2006, 27, 1963-1970.	5.7	36
17	MiR-451 suppresses proliferation, migration and promotes apoptosis of the human osteosarcoma by targeting macrophage migration inhibitory factor. <i>Biomedicine and Pharmacotherapy</i> , 2017, 87, 621-627.	2.5	36
18	Delivery of curcumin by directed self-assembled micelles enhances therapeutic treatment of non-small-cell lung cancer. <i>International Journal of Nanomedicine</i> , 2017, Volume 12, 2621-2634.	3.3	34

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19	Corrosion mechanism of micro-arc oxidation treated biocompatible AZ31 magnesium alloy in simulated body fluid. <i>Progress in Natural Science: Materials International</i> , 2014, 24, 516-522.	1.8	33
20	The effect of strontium incorporation into hydroxyapatites on their physical and biological properties. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2012, 100B, 562-568.	1.6	31
21	Intensity-dependent effect of treadmill running on lubricin metabolism of rat articular cartilage. <i>Arthritis Research and Therapy</i> , 2012, 14, R256.	1.6	29
22	Effect of an indwelling nasogastric tube on swallowing function in elderly post-stroke dysphagia patients with long-term nasal feeding. <i>BMC Neurology</i> , 2019, 19, 83.	0.8	29
23	Shoulder muscle activation pattern recognition based on sEMG and machine learning algorithms. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 197, 105721.	2.6	28
24	Effect of strontium-containing hydroxyapatite bone cement on bone remodeling following hip replacement. <i>Journal of Materials Science: Materials in Medicine</i> , 2010, 21, 377-384.	1.7	27
25	Effects of BMSC-Derived EVs on Bone Metabolism. <i>Pharmaceutics</i> , 2022, 14, 1012.	2.0	27
26	miR-451 inhibits cell growth, migration and angiogenesis in human osteosarcoma via down-regulating IL 6R. <i>Biochemical and Biophysical Research Communications</i> , 2017, 482, 987-993.	1.0	26
27	Analyses of body composition charts among younger and older Chinese children and adolescents aged 5 to 18 years. <i>BMC Public Health</i> , 2012, 12, 835.	1.2	24
28	Factors associated with public attitudes towards persons with disabilities: a systematic review. <i>BMC Public Health</i> , 2021, 21, 1058.	1.2	24
29	Stem cell therapies in tendon-bone healing. <i>World Journal of Stem Cells</i> , 2021, 13, 753-775.	1.3	24
30	Effect of Segmental Artery Ligation on the Blood Supply of the Thoracic Spinal Cord During Anterior Spinal Surgery: A Quantitative Histomorphological Fresh Cadaver Study. <i>Spine</i> , 2005, 30, 483-486.	1.0	23
31	Matrix metalloproteinase-3 inhibitor retards treadmill running-induced cartilage degradation in rats. <i>Arthritis Research and Therapy</i> , 2011, 13, R192.	1.6	22
32	Bidirectional association between metabolic syndrome and osteoarthritis: a meta-analysis of observational studies. <i>Diabetology and Metabolic Syndrome</i> , 2020, 12, 38.	1.2	22
33	Transcranial direct current stimulation improves the swallowing function in patients with cricopharyngeal muscle dysfunction following a brainstem stroke. <i>Neurological Sciences</i> , 2020, 41, 569-574.	0.9	21
34	A review of applications of metabolomics in osteoarthritis. <i>Clinical Rheumatology</i> , 2021, 40, 2569-2579.	1.0	21
35	Depression in Osteoarthritis: Current Understanding. <i>Neuropsychiatric Disease and Treatment</i> , 2022, Volume 18, 375-389.	1.0	21
36	Comparison of machine learning methods in sEMG signal processing for shoulder motion recognition. <i>Biomedical Signal Processing and Control</i> , 2021, 68, 102577.	3.5	20

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37	Effect of weight-bearing on bone-bonding behavior of strontium-containing hydroxyapatite bone cement. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 570-576.	2.1	19
38	Effects of mechanical strain on oxygen free radical system in bone marrow mesenchymal stem cells from children. <i>Injury</i> , 2011, 42, 753-757.	0.7	17
39	Controlled oxidative nanopatterning of microrough titanium surfaces for improving osteogenic activity. <i>Journal of Materials Science: Materials in Medicine</i> , 2014, 25, 1875-1884.	1.7	17
40	Exercise affects biological characteristics of mesenchymal stromal cells derived from bone marrow and adipose tissue. <i>International Orthopaedics</i> , 2017, 41, 1199-1209.	0.9	17
41	Effects of treadmill running with different intensity on rat subchondral bone. <i>Scientific Reports</i> , 2017, 7, 1977.	1.6	16
42	Response of C2C12 Myoblasts to Hypoxia: The Relative Roles of Glucose and Oxygen in Adaptive Cellular Metabolism. <i>BioMed Research International</i> , 2013, 2013, 1-10.	0.9	15
43	Penetrating glassy carbon neural electrode arrays for brain-machine interfaces. <i>Biomedical Microdevices</i> , 2020, 22, 43.	1.4	14
44	Efficacy and safety of sprifermin injection for knee osteoarthritis treatment: a meta-analysis. <i>Arthritis Research and Therapy</i> , 2021, 23, 107.	1.6	14
45	Effect of Exercise on the Cognitive Function of Older Patients With Type 2 Diabetes Mellitus: A Systematic Review and Meta-Analysis. <i>Frontiers in Human Neuroscience</i> , 2022, 16, 876935.	1.0	14
46	Angular Velocity Affects Trunk Muscle Strength and EMG Activation during Isokinetic Axial Rotation. <i>BioMed Research International</i> , 2014, 2014, 1-8.	0.9	13
47	Different responses of articular cartilage to strenuous running and joint immobilization. <i>Connective Tissue Research</i> , 2016, 57, 143-151.	1.1	13
48	Mechanotransduction of stem cells for tendon repair. <i>World Journal of Stem Cells</i> , 2020, 12, 952-965.	1.3	13
49	Development and Prevention of Running-Related Osteoarthritis. <i>Current Sports Medicine Reports</i> , 2016, 15, 342-349.	0.5	12
50	Role of extracellular signal-regulated kinase 1/2 signaling underlying cardiac hypertrophy. <i>Cardiology Journal</i> , 2021, 28, 473-482.	0.5	12
51	Effect of skill level on cardiorespiratory and metabolic responses during Tai Chi training. <i>European Journal of Sport Science</i> , 2013, 13, 386-391.	1.4	11
52	Is it time to put traditional cold therapy in rehabilitation of soft-tissue injuries out to pasture?. <i>World Journal of Clinical Cases</i> , 2021, 9, 4116-4122.	0.3	11
53	Characteristics and mechanical properties of acryloypamidronate-treated strontium containing bioactive bone cement. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2007, 83B, 464-471.	1.6	10
54	Magnesium with micro-arc oxidation coating and polymeric membrane: an in vitro study on microenvironment. <i>Journal of Materials Science: Materials in Medicine</i> , 2015, 26, 147.	1.7	10

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55	Intensity-dependent effect of treadmill running on differentiation of rat bone marrow stromal cells. <i>Molecular Medicine Reports</i> , 2018, 17, 7746-7756.	1.1	10
56	Thoracic spinal epidural abscess caused by fishbone perforation. <i>Medicine (United States)</i> , 2016, 95, e5283.	0.4	9
57	Mechanical properties of femoral cortical bone following cemented hip replacement. <i>Journal of Orthopaedic Research</i> , 2007, 25, 1408-1414.	1.2	7
58	High-power helium-neon laser irradiation inhibits the growth of traumatic scars in vitro and in vivo. <i>Lasers in Medical Science</i> , 2013, 28, 693-700.	1.0	7
59	Conducting Polypyrrole Nanotube Arrays as an Implant Surface: Fabricated on Biomedical Titanium with Fine-tunability by Means of Template-free Electrochemical Polymerization. <i>ChemPlusChem</i> , 2014, 79, 524-530.	1.3	7
60	Strenuous Treadmill Running Induces a Chondrocyte Phenotype in Rat Achilles Tendons. <i>Medical Science Monitor</i> , 2016, 22, 3705-3712.	0.5	7
61	Response of decorin to different intensity treadmill running. <i>Molecular Medicine Reports</i> , 2018, 17, 7911-7917.	1.1	7
62	Mechanical Stretch Promotes the Osteogenic Differentiation of Bone Mesenchymal Stem Cells Induced by Erythropoietin. <i>Stem Cells International</i> , 2019, 2019, 1-12.	1.2	7
63	Effects of methamphetamine abuse on spatial cognitive function. <i>Scientific Reports</i> , 2018, 8, 5502.	1.6	6
64	Intensity-dependent effect of treadmill running on rat Achilles tendon. <i>Experimental and Therapeutic Medicine</i> , 2018, 15, 5377-5383.	0.8	6
65	Excessive mechanical stretch-mediated osteoblasts promote the catabolism and apoptosis of chondrocytes via the Wnt/ β -catenin signaling pathway. <i>Molecular Medicine Reports</i> , 2021, 24, .	1.1	5
66	Effect of low-load resistance training with different degrees of blood flow restriction in patients with knee osteoarthritis: study protocol for a randomized trial. <i>Trials</i> , 2022, 23, 6.	0.7	5
67	Micropatterned film with nano-porous sodium titanate structure fabricated via template-free direct laser irradiation technology: Characteristics and set-selective apatite deposition ability. <i>Surface and Coatings Technology</i> , 2013, 235, 267-272.	2.2	4
68	Spatial and temporal changes of subchondral bone proceed to articular cartilage degeneration in rats subjected to knee immobilization. <i>Microscopy Research and Technique</i> , 2016, 79, 209-218.	1.2	3
69	An EZ-Diffusion Model Analysis of Attentional Ability in Patients With Retinal Pigmentosa. <i>Frontiers in Neuroscience</i> , 2020, 14, 583493.	1.4	3
70	Effects of Image Augmentation and Dual-layer Transfer Machine Learning Architecture on Tumor Classification. , 2019, , .		3
71	Advances in Stem Cell Therapies for Rotator Cuff Injuries. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, .	2.0	3
72	Effect of weight-bearing on bone-bonding behavior of strontium-containing hydroxyapatite bone cement. <i>Journal of Biomedical Materials Research - Part A</i> , 2007, 83A, 896-896.	2.1	1

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73	Shorter Telomere Length in Peripheral Blood Leukocytes Is Associated with Post-Traumatic Chronic Osteomyelitis. <i>Surgical Infections</i> , 2020, 21, 773-777.	0.7	1
74	Cardiac Effects of Treadmill Running at Different Intensities in a Rat Model. <i>Frontiers in Physiology</i> , 2021, 12, 774681.	1.3	1
75	Estimation of Heart Rate and Energy Expenditure Using a Smart Bracelet during Different Exercise Intensities: A Reliability and Validity Study. <i>Sensors</i> , 2022, 22, 4661.	2.1	1
76	Treadmill running induces remodeling of the infrapatellar fat pad in an intensity-dependent manner. <i>Journal of Orthopaedic Surgery and Research</i> , 2021, 16, 354.	0.9	0
77	Risk of Developing Running-Related Osteoarthritis is Intensity-Dependent: Comment on the Article by Lo et al. <i>Arthritis Care and Research</i> , 2018, 70, 956-957.	1.5	0
78	Nanomechanics of Bone and Bioactive Bone-Cement Interfaces. , 2007, , 613-625.		0
79	Comments on "Post-traumatic osteoarthritis progression is diminished by early mechanical unloading and anti-inflammatory treatment in mice". <i>Osteoarthritis and Cartilage</i> , 2022, , .	0.6	0
80	Quantitative and Fiber-Selective Evaluation for Central Poststroke Pain. <i>Neural Plasticity</i> , 2022, 2022, 1-11.	1.0	0