

# Zhidao Xia

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3376123/publications.pdf>

Version: 2024-02-01

49  
papers

2,426  
citations

304368

22  
h-index

223531

46  
g-index

50  
all docs

50  
docs citations

50  
times ranked

4058  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and Development of Three-Dimensional Scaffolds for Tissue Engineering. <i>Chemical Engineering Research and Design</i> , 2007, 85, 1051-1064.	2.7	385
2	A review on macrophage responses to biomaterials. <i>Biomedical Materials (Bristol)</i> , 2006, 1, R1-R9.	1.7	353
3	Bisphosphonates. <i>Annals of the New York Academy of Sciences</i> , 2007, 1117, 209-257.	1.8	341
4	Dose-dependent cytotoxicity of clinically relevant cobalt nanoparticles and ions on macrophages <i>in vitro</i> . <i>Biomedical Materials (Bristol)</i> , 2009, 4, 025018.	1.7	142
5	<i>In vitro</i> biodegradation of three brushite calcium phosphate cements by a macrophage cell-line. <i>Biomaterials</i> , 2006, 27, 4557-4565.	5.7	94
6	Synthesis and Biological Evaluation of $\beta$ -Halogenated Bisphosphonate and Phosphonocarboxylate Analogues of Risedronate. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5967-5975.	2.9	68
7	Proliferation and differentiation of human tenocytes in response to platelet rich plasma: An <i>in vitro</i> and <i>in vivo</i> study. <i>Journal of Orthopaedic Research</i> , 2012, 30, 982-990.	1.2	63
8	Nano-analyses of wear particles from metal-on-metal and non-metal-on-metal dual modular neck hip arthroplasty. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2017, 13, 1205-1217.	1.7	63
9	Characterization of metal-wear nanoparticles in pseudotumor following metal-on-metal hip resurfacing. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2011, 7, 674-681.	1.7	60
10	Stimulation of fibroblast growth <i>in vitro</i> by intermittent radiant warming. <i>Wound Repair and Regeneration</i> , 2000, 8, 138-144.	1.5	56
11	Fluorescently Labeled Risedronate and Related Analogues: "Magic Linker" Synthesis. <i>Bioconjugate Chemistry</i> , 2008, 19, 2308-2310.	1.8	53
12	A novel nano-porous alumina biomaterial with potential for loading with bioactive materials. <i>Journal of Biomedical Materials Research - Part A</i> , 2009, 90A, 46-54.	2.1	48
13	Hepatocyte growth factor can substitute for M-CSF to support osteoclastogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2006, 350, 478-483.	1.0	45
14	Adipogenic differentiation of adipose-derived stem cells in 3-dimensional spheroid cultures (microtissue): Implications for the reconstructive surgeon. <i>Journal of Plastic, Reconstructive and Aesthetic Surgery</i> , 2014, 67, 1726-1734.	0.5	43
15	Lactoferrin Inhibits $IL-1\beta$ -Induced Chondrocyte Apoptosis Through AKT1-Induced CREB1 Activation. <i>Cellular Physiology and Biochemistry</i> , 2015, 36, 2456-2465.	1.1	43
16	Gene expression profiles of changes underlying different-sized human rotator cuff tendon tears. <i>Journal of Shoulder and Elbow Surgery</i> , 2016, 25, 1561-1570.	1.2	41
17	Macrophagic response to human mesenchymal stem cell and poly( $\epsilon$ -caprolactone) implantation in nonobese diabetic/severe combined immunodeficient mice. <i>Journal of Biomedical Materials Research Part B</i> , 2004, 71A, 538-548.	3.0	37
18	Characterization of a biodegradable coralline hydroxyapatite/calcium carbonate composite and its clinical implementation. <i>Biomedical Materials (Bristol)</i> , 2013, 8, 065007.	1.7	36

#	ARTICLE	IF	CITATIONS
19	Studies on the use of hollow fibre membrane bioreactors for tissue generation by using rat bone marrow fibroblastic cells and a composite scaffold. <i>Journal of Materials Science: Materials in Medicine</i> , 2007, 18, 641-648.	1.7	33
20	The contribution of the histopathological examination to the diagnosis of adverse local tissue reactions in arthroplasty. <i>EFORT Open Reviews</i> , 2021, 6, 399-419.	1.8	27
21	Efficient characterisation of human cell-bioceramic interactions in vitro and in vivo by using enhanced GFP-labelled mesenchymal stem cells. <i>Biomaterials</i> , 2005, 26, 5790-5800.	5.7	25
22	Macrophage-mediated biodegradation of poly(DL-lactide-co-glycolide) in vitro. <i>Journal of Biomedical Materials Research - Part A</i> , 2006, 79A, 582-590.	2.1	25
23	Lactoferrin inhibits dexamethasone-induced chondrocyte impairment from osteoarthritic cartilage through up-regulation of extracellular signal-regulated kinase 1/2 and suppression of FASL, FAS, and Caspase 3. <i>Biochemical and Biophysical Research Communications</i> , 2013, 441, 249-255.	1.0	25
24	Innate immune response to human bone marrow fibroblastic cell implantation in CB17 scid/beige mice. <i>Journal of Cellular Biochemistry</i> , 2006, 98, 966-980.	1.2	23
25	Development of a Refined Tenocyte Differentiation Culture Technique for Tendon Tissue Engineering. <i>Cells Tissues Organs</i> , 2013, 197, 27-36.	1.3	22
26	Development of a refined tenocyte expansion culture technique for tendon tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2014, 8, 955-962.	1.3	22
27	In vitro two-dimensional and three-dimensional tenocyte culture for tendon tissue engineering. <i>Journal of Tissue Engineering and Regenerative Medicine</i> , 2016, 10, E216-E226.	1.3	20
28	Link Protein N-Terminal Peptide as a Potential Stimulating Factor for Stem Cell-Based Cartilage Regeneration. <i>Stem Cells International</i> , 2018, 2018, 1-11.	1.2	20
29	Simultaneous Recruitment of Stem Cells and Chondrocytes Induced by a Functionalized Self-Assembling Peptide Hydrogel Improves Endogenous Cartilage Regeneration. <i>Frontiers in Cell and Developmental Biology</i> , 2020, 8, 864.	1.8	20
30	Artificial bone scaffolds of coral imitation prepared by selective laser sintering. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2020, 104, 103664.	1.5	20
31	Improved human tenocyte proliferation and differentiation <i>in vitro</i> by optimized silk degumming. <i>Biomedical Materials (Bristol)</i> , 2011, 6, 035010.	1.7	19
32	Endogenous Repair and Regeneration of Injured Articular Cartilage: A Challenging but Promising Therapeutic Strategy. , 2021, 12, 886.		19
33	Multivariate spectral analysis of pH SERS probes for improved sensing capabilities. <i>Journal of Raman Spectroscopy</i> , 2016, 47, 819-827.	1.2	17
34	The viability and proliferation of human chondrocytes following cryopreservation. <i>Journal of Bone and Joint Surgery: British Volume</i> , 2008, 90-B, 1245-1248.	3.4	15
35	Effect of indomethacin and lactoferrin on human tenocyte proliferation and collagen formation in vitro. <i>Biochemical and Biophysical Research Communications</i> , 2014, 454, 301-307.	1.0	15
36	A method of isolating viable chondrocytes with proliferative capacity from cryopreserved human articular cartilage. <i>Cell and Tissue Banking</i> , 2013, 14, 267-276.	0.5	13

#	ARTICLE	IF	CITATIONS
37	Osteogenic Potential of Human Umbilical Cord Mesenchymal Stem Cells on Coralline Hydroxyapatite/Calcium Carbonate Microparticles. <i>Stem Cells International</i> , 2018, 2018, 1-9.	1.2	13
38	Prolonged osteogenesis from human mesenchymal stem cells implanted in immunodeficient mice by using coralline hydroxyapatite incorporating rhBMP2 microspheres. <i>Journal of Biomedical Materials Research - Part A</i> , 2010, 92A, 1256-1264.	2.1	12
39	Fates and osteogenic differentiation potential of human mesenchymal stem cells in immunocompromised mice. <i>European Journal of Cell Biology</i> , 2008, 87, 353-364.	1.6	10
40	Improvement of femoral component size prediction using a C-arm intensifier guide and our established algorithm in unicompartmental knee arthroplasty: A report from a Chinese population. <i>Knee</i> , 2014, 21, 435-438.	0.8	8
41	The effects of small-needle-knife therapy on pain and mobility from knee osteoarthritis: a pilot randomized-controlled study. <i>Clinical Rehabilitation</i> , 2020, 34, 1497-1505.	1.0	8
42	Osteogenic stem-cell characterization and development: potentials for cytotherapy. <i>Cytotherapy</i> , 2001, 3, 413-416.	0.3	7
43	Local Application of Ibandronate/Gelatin Sponge Improves Osteotomy Healing in Rabbits. <i>PLoS ONE</i> , 2015, 10, e0125807.	1.1	5
44	The temporal expression of estrogen receptor alpha-36 and runx2 in human bone marrow derived stromal cells during osteogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2014, 453, 552-556.	1.0	4
45	Growth factors mediated differentiation of mesenchymal stem cells to cardiac polymicrotissue using hanging drop and bioreactor. <i>Cell Biology International</i> , 2015, 39, 502-507.	1.4	4
46	Preparation and selective laser sintering of a new nylon elastomer powder. <i>Rapid Prototyping Journal</i> , 2018, 24, 1026-1033.	1.6	2
47	Fabrication of Micro-Nano Bioactive Glass Scaffold Incorporated with Siglec-15 for Bone Repair and Postoperative Treatment of Osteosarcoma. <i>Science of Advanced Materials</i> , 2021, 13, 1445-1451.	0.1	2
48	Multi-colour Electron Microscopy: Protein Accumulation and Cellular Activity Surrounding Hydroxyapatite Implants Revealed by Energy Dispersive X-ray Spectrometry. <i>Microscopy and Microanalysis</i> , 2020, 26, 1346-1347.	0.2	0
49	The Degradation and Tissue Integration of Hydroxyapatite Implants Analysed using Energy Dispersive X-Ray Spectrometry. <i>Biophysical Journal</i> , 2021, 120, 274a.	0.2	0