

# Julie Glowacki

## List of Publications by Year in descending order

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Version: 2024-02-01

76  
papers

5,278  
citations

134610

34  
h-index

93651

72  
g-index

78  
all docs

78  
docs citations

78  
times ranked

6507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Combined injury: irradiation with skin or bone wounds in rodent models. <i>Journal of Radiological Protection</i> , 2021, 41, S561-S577.	0.6	2
2	Synergistic stimulation of osteoblast differentiation of rat mesenchymal stem cells by leptin and 25(OH)D3 is mediated by inhibition of chaperone-mediated autophagy. <i>Stem Cell Research and Therapy</i> , 2021, 12, 557.	2.4	13
3	Clinical Variables that Influence Properties of Human Mesenchymal Stromal Cells. <i>Regenerative Engineering and Translational Medicine</i> , 2020, 6, 310-321.	1.6	0
4	Obesity and leptin influence vitamin D metabolism and action in human marrow stromal cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 198, 105564.	1.2	8
5	Megalyn mediates 25-hydroxyvitamin D <sub>3</sub> actions in human mesenchymal stem cells. <i>FASEB Journal</i> , 2019, 33, 7684-7693.	0.2	13
6	Development of tensile strength methodology for murine skin wound healing. <i>MethodsX</i> , 2018, 5, 337-344.	0.7	7
7	Synergistic effect of 1 $\alpha$ ,25-dihydroxyvitamin D <sub>3</sub> and 17 $\beta$ -estradiol on osteoblast differentiation of pediatric MSCs. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2018, 177, 103-108.	1.2	11
8	Dehydroepiandrosterone and Bone. <i>Vitamins and Hormones</i> , 2018, 108, 251-271.	0.7	17
9	Administration of an activin receptor IIB ligand trap protects male juvenile rhesus macaques from simian immunodeficiency virus-associated bone loss. <i>Bone</i> , 2017, 97, 209-215.	1.4	6
10	Chronic kidney disease and vitamin D metabolism in human bone marrow-derived MSCs. <i>Annals of the New York Academy of Sciences</i> , 2017, 1402, 43-55.	1.8	16
11	Glycinol enhances osteogenic differentiation and attenuates the effects of age on mesenchymal stem cells. <i>Regenerative Medicine</i> , 2017, 12, 513-524.	0.8	2
12	Decoy TRAIL receptor CD264: a cell surface marker of cellular aging for human bone marrow-derived mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2017, 8, 201.	2.4	36
13	Bisphenol A alters the self-renewal and differentiation capacity of human bone-marrow-derived mesenchymal stem cells. <i>Endocrine Disruptors (Austin, Tex)</i> , 2016, 4, e1200344.	1.1	9
14	Dehydroepiandrosterone Stimulation of Osteoblastogenesis in Human MSCs Requires IGF $\beta$ Signaling. <i>Journal of Cellular Biochemistry</i> , 2016, 117, 1769-1774.	1.2	22
15	Influence of osteoarthritis grade on molecular signature of human cartilage. <i>Journal of Orthopaedic Research</i> , 2016, 34, 454-462.	1.2	26
16	Osteoporosis and Mechanisms of Skeletal Aging. , 2016, , 277-307.		2
17	Deminerlized Bone and BMPs: Basic Science and Clinical Utility. <i>Journal of Oral and Maxillofacial Surgery</i> , 2015, 73, S126-S131.	0.5	22
18	Effect of Age on Regulation of Human Osteoclast Differentiation. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1412-1419.	1.2	70

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19	Effects of mouse genotype on bone wound healing and irradiation-induced delay of healing. <i>In Vivo</i> , 2014, 28, 189-96.	0.6	7
20	Vitamin D metabolism in human bone marrow stromal (mesenchymal stem) cells. <i>Metabolism: Clinical and Experimental</i> , 2013, 62, 768-777.	1.5	39
21	Histone deacetylation mediates the rejuvenation of osteoblastogenesis by the combination of 25(OH)D3 and parathyroid hormone in MSCs from elders. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 156-159.	1.2	19
22	Vitamin D metabolism and action in human marrow stromal cells: Effects of chronic kidney disease. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2013, 136, 342-344.	1.2	13
23	Gender Differences in the Growing, Abnormal, and Aging Jaw. <i>Dental Clinics of North America</i> , 2013, 57, 263-280.	0.8	11
24	Wnt pathway regulation by demineralized bone is approximated by both BMP $\beta$ 2 and TGF $\beta$ 1 signaling. <i>Journal of Orthopaedic Research</i> , 2013, 31, 554-560.	1.2	10
25	Cranial Particulate Bone Graft Ossifies Calvarial Defects by Osteogenesis. <i>Plastic and Reconstructive Surgery</i> , 2012, 129, 796e-802e.	0.7	20
26	Clinical characteristics influence in vitro action of 1,25-dihydroxyvitamin D3 in human marrow stromal cells. <i>Journal of Bone and Mineral Research</i> , 2012, 27, 1992-2000.	3.1	51
27	Dysregulated in vitro hematopoiesis, radiosensitivity, proliferation, and osteoblastogenesis with marrow from SAMP6 mice. <i>Experimental Hematology</i> , 2012, 40, 499-509.	0.2	6
28	Biologic Foundations for Skeletal Tissue Engineering. <i>Synthesis Lectures on Tissue Engineering</i> , 2011, 3, 1-220.	0.3	10
29	MicroRNA profiling reveals age-dependent differential expression of nuclear factor $\kappa$ B and mitogen-activated protein kinase in adipose and bone marrow-derived human mesenchymal stem cells. <i>Stem Cell Research and Therapy</i> , 2011, 2, 49.	2.4	72
30	Effects of age on parathyroid hormone signaling in human marrow stromal cells. <i>Aging Cell</i> , 2011, 10, 780-788.	3.0	23
31	Age-related decline in osteoblastogenesis and 1 $\alpha$ -hydroxylase/CYP27B1 in human mesenchymal stem cells: stimulation by parathyroid hormone. <i>Aging Cell</i> , 2011, 10, 962-971.	3.0	45
32	Reduced Osteoclastogenesis and RANKL Expression in Marrow from Women Taking Alendronate. <i>Calcified Tissue International</i> , 2011, 88, 272-280.	1.5	39
33	Effects of 25-hydroxyvitamin D3 on proliferation and osteoblast differentiation of human marrow stromal cells require CYP27B1/1 $\alpha$ -hydroxylase. <i>Journal of Bone and Mineral Research</i> , 2011, 26, 1145-1153.	3.1	75
34	Dysregulated Bone Wound Repair and Marrow Functions in Senescence Accelerated Mice (SAMP6). <i>Blood</i> , 2011, 118, 3415-3415.	0.6	0
35	Brigham Fracture Intervention Team Initiatives for Hospital Patients with Hip Fractures: A Paradigm Shift. <i>International Journal of Endocrinology</i> , 2010, 2010, 1-7.	0.6	6
36	Vitamin D Metabolism and Action in Human Bone Marrow Stromal Cells. <i>Endocrinology</i> , 2010, 151, 14-22.	1.4	84

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37	Discordance in Femoral Neck Bone Density in Subjects With Unilateral Hip Osteoarthritis. <i>Journal of Clinical Densitometry</i> , 2010, 13, 24-28.	0.5	15
38	Small molecule GS-nitroxide ameliorates ionizing irradiation-induced delay in bone wound healing in a novel murine model. <i>In Vivo</i> , 2010, 24, 377-85.	0.6	21
39	Effects of age and gender on WNT gene expression in human bone marrow stromal cells. <i>Journal of Cellular Biochemistry</i> , 2009, 106, 337-343.	1.2	34
40	Mechanisms of Osteoinduction/Chondroinduction by Demineralized Bone. <i>Journal of Craniofacial Surgery</i> , 2009, 20, 634-638.	0.3	14
41	Collagen scaffolds for tissue engineering. <i>Biopolymers</i> , 2008, 89, 338-344.	1.2	674
42	Age-related intrinsic changes in human bone marrow-derived mesenchymal stem cells and their differentiation to osteoblasts. <i>Aging Cell</i> , 2008, 7, 335-343.	3.0	668
43	Impact of Postmenopausal Osteoporosis on the Oral and Maxillofacial Surgery Patient. <i>Oral and Maxillofacial Surgery Clinics of North America</i> , 2007, 19, 187-198.	0.4	13
44	Chondrocyte gene expression in osteoarthritis: Correlation with disease severity. <i>Journal of Orthopaedic Research</i> , 2006, 24, 1062-1068.	1.2	27
45	A review of osteoinductive testing methods and sterilization processes for demineralized bone. <i>Cell and Tissue Banking</i> , 2005, 6, 3-12.	0.5	60
46	New Chondrocyte Genes Discovered by Representational Difference Analysis of Chondroinduced Human Fibroblasts. <i>Cells Tissues Organs</i> , 2004, 176, 41-53.	1.3	23
47	Comparison of TGF- $\beta$ 2/BMP Pathways Signaled by Demineralized Bone Powder and BMP-2 in Human Dermal Fibroblasts. <i>Journal of Bone and Mineral Research</i> , 2004, 19, 1732-1741.	3.1	32
48	Distraction Osteogenesis of the Porcine Mandible: Histomorphometric Evaluation of Bone. <i>Plastic and Reconstructive Surgery</i> , 2004, 113, 566-573.	0.7	64
49	Increased Adipocytogenesis and Hematopoiesis in Long-Term Bone Marrow Cultures from SMAD3 <sup>-/-</sup> Mice. <i>Blood</i> , 2004, 104, 1298-1298.	0.6	13
50	Adipocyte Differentiation of SOD2 <sup>-/-</sup> Mouse Bone Marrow Stromal Cells Is Associated with Decreased Antioxidant Reserves and Is Reversed by the Antioxidant WR2721 (Amifostine). <i>Blood</i> , 2004, 104, 2342-2342.	0.6	0
51	Cooperation Between TGF- $\beta$ 2 and Wnt Pathways During Chondrocyte and Adipocyte Differentiation of Human Marrow Stromal Cells. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 463-470.	3.1	203
52	OSTEOPOROSIS AND VITAMIN-D DEFICIENCY AMONG POSTMENOPAUSAL WOMEN WITH OSTEOARTHRITIS UNDERGOING TOTAL HIP ARTHROPLASTY. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 2371-2377.	1.4	142
53	Influence of estrogen status on endosseous implant osseointegration. <i>Journal of Oral and Maxillofacial Surgery</i> , 2001, 59, 1285-1289.	0.5	92
54	Effects of medium perfusion on matrix production by bovine chondrocytes in three-dimensional collagen sponges. <i>Journal of Biomedical Materials Research Part B</i> , 2001, 56, 368-375.	3.0	115

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55	Age-related decline in the osteogenic potential of human bone marrow cells cultured in three-dimensional collagen sponges. <i>Journal of Cellular Biochemistry</i> , 2001, 82, 583-590.	1.2	409
56	Age-Related Decline in Osteoprotegerin Expression by Human Bone Marrow Cells Cultured in Three-Dimensional Collagen Sponges. <i>Biochemical and Biophysical Research Communications</i> , 2000, 268, 669-672.	1.0	80
57	Medium Perfusion Enhances Osteogenesis by Murine Osteosarcoma Cells in Three-Dimensional Collagen Sponges. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 2118-2126.	3.1	89
58	DHEA and the Skeleton (Through the Ages). <i>Endocrine</i> , 1999, 11, 1-12.	2.2	26
59	Demineralized Bone Implants for Nonunion Fractures, Bone Cysts, and Fibrous Lesions. <i>Clinical Orthopaedics and Related Research</i> , 1999, 364, 61-69.	0.7	43
60	Polyethylene glycol/microfibrillar collagen composite as a new resorbable hemostatic bone wax. , 1998, 39, 358-363.		34
61	In Vitro Secretion of Cytokines by Human Bone Marrow: Effects of Age and Estrogen Status <sup>1</sup> . <i>Journal of Clinical Endocrinology and Metabolism</i> , 1998, 83, 2043-2051.	1.8	105
62	Perfusion Enhances Functions of Bone Marrow Stromal Cells in Three-Dimensional Culture. <i>Cell Transplantation</i> , 1998, 7, 319-326.	1.2	95
63	Expression of an Extracellular Calcium-Sensing Receptor in Human and Mouse Bone Marrow Cells. <i>Journal of Bone and Mineral Research</i> , 1997, 12, 1959-1970.	3.1	173
64	Effects of age and estrogen status on the skeletal IGF regulatory system. <i>Endocrine</i> , 1997, 7, 77-80.	2.2	21
65	Chondroinduction of Human Dermal Fibroblasts by Demineralized Bone in Three-Dimensional Culture. <i>Experimental Cell Research</i> , 1996, 227, 89-97.	1.2	95
66	Cellular Reactions to Bone-Derived Material. <i>Clinical Orthopaedics and Related Research</i> , 1996, 324, 47-54.	0.7	23
67	Three-dimensional composite of demineralized bone powder and collagen for in vitro analysis of chondroinduction of human dermal fibroblasts. <i>Biomaterials</i> , 1996, 17, 1819-1825.	5.7	114
68	Osteocalcin promotes differentiation of osteoclast progenitors from murine long-term bone marrow cultures. <i>Journal of Cellular Biochemistry</i> , 1994, 55, 190-199.	1.2	46
69	Hand reconstruction with allograft demineralized bone: Twenty-six implants in twelve patients. <i>Journal of Hand Surgery</i> , 1992, 17, 704-713.	0.7	43
70	A Collagen/DBP Sponge System Designed for in Vitro Analysis of Chondroinduction. <i>Materials Research Society Symposia Proceedings</i> , 1991, 252, 133.	0.1	6
71	The use of demineralized xenogeneic bone implants to correct phalangeal defects: A case report. <i>Journal of Hand Surgery</i> , 1984, 9, 388-391.	0.7	38
72	Treatment of jaw defects with demineralized bone implants. <i>Journal of Oral and Maxillofacial Surgery</i> , 1982, 40, 623-626.	0.5	85

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73	Mast Cells in Hemangiomas and Vascular Malformations. Pediatrics, 1982, 70, 48-51.	1.0	133
74	APPLICATION OF THE BIOLOGICAL PRINCIPLE OF INDUCED OSTEOGENESIS FOR CRANIOFACIAL DEFECTS. Lancet, The, 1981, 317, 959-962.	6.3	239
75	Use of Demineralized Allogeneic Bone Implants for the Correction of Maxillocraniofacial Deformities. Annals of Surgery, 1981, 194, 366.	2.1	138
76	Fate of mineralized and demineralized osseous implants in cranial defects. Calcified Tissue International, 1981, 33, 71-76.	1.5	217