

Guillaume Mabileau

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

82

papers

2,258

citations

26

h-index

44

g-index

101

ext. papers

2,582

ext. citations

5.1

avg, IF

5.02

L-index

#	Paper	IF	Citations
82	Influence of fluoride, hydrogen peroxide and lactic acid on the corrosion resistance of commercially pure titanium. <i>Acta Biomaterialia</i> , 2006 , 2, 121-9	10.8	149
81	Metal-on-metal hip resurfacing arthroplasty: a review of periprosthetic biological reactions. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2008 , 79, 734-47	4.3	117
80	Use of glucagon-like peptide-1 receptor agonists and bone fractures: a meta-analysis of randomized clinical trials. <i>Journal of Diabetes</i> , 2014 , 6, 260-6	3.8	108
79	Increased osteoclastic activity in acute Charcot's osteoarthropathy: the role of receptor activator of nuclear factor-kappaB ligand. <i>Diabetologia</i> , 2008 , 51, 1035-40	10.3	103
78	Characterisation of adipocyte-derived extracellular vesicle subtypes identifies distinct protein and lipid signatures for large and small extracellular vesicles. <i>Journal of Extracellular Vesicles</i> , 2017 , 6, 1305677	16.4	102
77	Glucose-dependent insulinotropic polypeptide (GIP) receptor deletion leads to reduced bone strength and quality. <i>Bone</i> , 2013 , 56, 337-42	4.7	78
76	Interleukin-32 promotes osteoclast differentiation but not osteoclast activation. <i>PLoS ONE</i> , 2009 , 4, e4173	3.7	72
75	Thiazolidinediones induce osteocyte apoptosis by a G protein-coupled receptor 40-dependent mechanism. <i>Journal of Biological Chemistry</i> , 2012 , 287, 23517-26	5.4	69
74	Optimal bone mechanical and material properties require a functional glucagon-like peptide-1 receptor. <i>Journal of Endocrinology</i> , 2013 , 219, 59-68	4.7	68
73	Glucose-dependent insulinotropic polypeptide receptor deficiency leads to modifications of trabecular bone volume and quality in mice. <i>Bone</i> , 2013 , 53, 221-30	4.7	64
72	Biodegradability of poly (2-hydroxyethyl methacrylate) in the presence of the J774.2 macrophage cell line. <i>Biomaterials</i> , 2004 , 25, 5155-62	15.6	54
71	Stable Incretin Mimetics Counter Rapid Deterioration of Bone Quality in Type 1 Diabetes Mellitus. <i>Journal of Cellular Physiology</i> , 2015 , 230, 3009-18	7	50
70	Effects of the length of crosslink chain on poly(2-hydroxyethyl methacrylate) (pHEMA) swelling and biomechanical properties. <i>Journal of Biomedical Materials Research - Part A</i> , 2006 , 77, 35-42	5.4	50
69	Caveolin-1 expression and cavin stability regulate caveolae dynamics in adipocyte lipid store fluctuation. <i>Diabetes</i> , 2014 , 63, 4032-44	0.9	47
68	Iron inhibits hydroxyapatite crystal growth in vitro. <i>Metabolism: Clinical and Experimental</i> , 2008 , 57, 903-10.7	10.7	47
67	Effects of FGF-2 release from a hydrogel polymer on bone mass and microarchitecture. <i>Biomaterials</i> , 2008 , 29, 1593-600	15.6	47
66	Role of the A20-TRAF6 axis in lipopolysaccharide-mediated osteoclastogenesis. <i>Journal of Biological Chemistry</i> , 2011 , 286, 3242-9	5.4	46

65	Cobalt, chromium and nickel affect hydroxyapatite crystal growth in vitro. <i>Acta Biomaterialia</i> , 2010 , 6, 1555-60	10.8	46
64	Thiazolidinediones induce osteocyte apoptosis and increase sclerostin expression. <i>Diabetic Medicine</i> , 2010 , 27, 925-32	3.5	45
63	Surviving anoxia in marine sediments: The metabolic response of ubiquitous benthic foraminifera (<i>Ammonia tepida</i>). <i>PLoS ONE</i> , 2017 , 12, e0177604	3.7	40
62	Aluminum and bone: Review of new clinical circumstances associated with Al(3+) deposition in the calcified matrix of bone. <i>Morphologie</i> , 2016 , 100, 95-105	0.9	37
61	TSG-6 regulates bone remodeling through inhibition of osteoblastogenesis and osteoclast activation. <i>Journal of Biological Chemistry</i> , 2008 , 283, 25952-62	5.4	36
60	Double incretin receptor knock-out (DIRKO) mice present with alterations of trabecular and cortical micromorphology and bone strength. <i>Osteoporosis International</i> , 2015 , 26, 209-18	5.3	34
59	Beneficial effects of a N-terminally modified GIP agonist on tissue-level bone material properties. <i>Bone</i> , 2014 , 63, 61-8	4.7	30
58	Glucose-dependent insulinotropic polypeptide (GIP) directly affects collagen fibril diameter and collagen cross-linking in osteoblast cultures. <i>Bone</i> , 2015 , 74, 29-36	4.7	28
57	The influence of processes for the purification of human bone allografts on the matrix surface and cytocompatibility. <i>Biomaterials</i> , 2006 , 27, 4204-11	15.6	27
56	High fat-fed diabetic mice present with profound alterations of the osteocyte network. <i>Bone</i> , 2016 , 90, 99-106	4.7	25
55	Glucose-dependent insulinotropic polypeptide (GIP) dose-dependently reduces osteoclast differentiation and resorption. <i>Bone</i> , 2016 , 91, 102-12	4.7	25
54	Polymerization of 2-(hydroxyethyl)methacrylate by two different initiator/accelerator systems: a Raman spectroscopic monitoring. <i>Journal of Raman Spectroscopy</i> , 2008 , 39, 767-771	2.3	23
53	Number of circulating CD14-positive cells and the serum levels of TNF- α are raised in acute charcot foot. <i>Diabetes Care</i> , 2011 , 34, e33	14.6	22
52	Chemical structure of methylmethacrylate-2-[2R3R5Rtriiodobenzoyl]oxoethyl methacrylate copolymer, radio-opacity, in vitro and in vivo biocompatibility. <i>Acta Biomaterialia</i> , 2008 , 4, 1762-9	10.8	22
51	A new stable GIP-Oxyntomodulin hybrid peptide improved bone strength both at the organ and tissue levels in genetically-inherited type 2 diabetes mellitus. <i>Bone</i> , 2016 , 87, 102-13	4.7	22
50	Factors associated with an increased risk of vertebral fracture in monoclonal gammopathies of undetermined significance. <i>Blood Cancer Journal</i> , 2015 , 5, e345	7	21
49	Alteration of the bone tissue material properties in type 1 diabetes mellitus: A Fourier transform infrared microspectroscopy study. <i>Bone</i> , 2015 , 76, 31-9	4.7	21
48	Micro and macroarchitectural changes at the tibia after botulinum toxin injection in the growing rat. <i>Bone</i> , 2012 , 50, 858-64	4.7	20

47	An overview of cellular ultrastructure in benthic foraminifera: New observations of rotalid species in the context of existing literature. <i>Marine Micropaleontology</i> , 2018 , 138, 12-32	1.7	19
46	Three-dimensional arrangement of β -tricalcium phosphate granules evaluated by microcomputed tomography and fractal analysis. <i>Acta Biomaterialia</i> , 2015 , 11, 404-11	10.8	18
45	Improved methodology for measuring pore patterns in the benthic foraminiferal genus <i>Ammonia</i> . <i>Marine Micropaleontology</i> , 2016 , 128, 1-13	1.7	18
44	The GLP-1 Receptor Agonist Exenatide Ameliorates Bone Composition and Tissue Material Properties in High Fat Fed Diabetic Mice. <i>Frontiers in Endocrinology</i> , 2019 , 10, 51	5.7	17
43	Bone mineralization and vascularization in bisphosphonate-related osteonecrosis of the jaw: an experimental study in the rat. <i>Clinical Oral Investigations</i> , 2018 , 22, 2997-3006	4.2	17
42	Novel skeletal effects of glucagon-like peptide-1 (GLP-1) receptor agonists. <i>Journal of Endocrinology</i> , 2018 , 236, R29-R42	4.7	16
41	SEQUESTERED CHLOROPLASTS IN THE BENTHIC FORAMINIFERHAYNESINA GERMANICA: CELLULAR ORGANIZATION, OXYGEN FLUXES AND POTENTIAL ECOLOGICAL IMPLICATIONS. <i>Journal of Foraminiferal Research</i> , 2017 , 47, 268-278	1.1	16
40	A Multifaceted Study of <i>Scedosporium boydii</i> Cell Wall Changes during Germination and Identification of GPI-Anchored Proteins. <i>PLoS ONE</i> , 2015 , 10, e0128680	3.7	16
39	Strontium ranelate stimulates trabecular bone formation in a rat tibial bone defect healing process. <i>Osteoporosis International</i> , 2017 , 28, 3475-3487	5.3	15
38	Sclerostin antibody reduces long bone fractures in the oim/oim model of osteogenesis imperfecta. <i>Bone</i> , 2019 , 124, 137-147	4.7	15
37	Depth and volume of resorption induced by osteoclasts generated in the presence of RANKL, TNF-alpha/IL-1 or LIGHT. <i>Cytokine</i> , 2012 , 57, 294-9	4	15
36	Hypodynamia Alters Bone Quality and Trabecular Microarchitecture. <i>Calcified Tissue International</i> , 2017 , 100, 332-340	3.9	14
35	Aluminum and iron can be deposited in the calcified matrix of bone exostoses. <i>Journal of Inorganic Biochemistry</i> , 2015 , 152, 174-9	4.2	14
34	Exenatide Improves Bone Quality in a Murine Model of Genetically Inherited Type 2 Diabetes Mellitus. <i>Frontiers in Endocrinology</i> , 2017 , 8, 327	5.7	14
33	Measurement by vertical scanning profilometry of resorption volume and lacunae depth caused by osteoclasts on dentine slices. <i>Journal of Microscopy</i> , 2011 , 241, 147-52	1.9	14
32	Effects of anti-diabetic drugs on bone metabolism. <i>Expert Review of Endocrinology and Metabolism</i> , 2015 , 10, 663-675	4.1	12
31	Changes in ultrastructural features of the foraminifera <i>Ammonia</i> spp. in response to anoxic conditions: Field and laboratory observations. <i>Marine Micropaleontology</i> , 2018 , 138, 72-82	1.7	12
30	An ex vivo evaluation of blood coagulation and thromboresistance of two extracorporeal circuit coatings with reduced and full heparin dose. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2014 , 18, 763-9	1.8	12

29	Sitagliptin Alters Bone Composition in High-Fat-Fed Mice. <i>Calcified Tissue International</i> , 2019 , 104, 437-448	3.8	12
28	Efficacy of targeting bone-specific GIP receptor in ovariectomy-induced bone loss. <i>Journal of Endocrinology</i> , 2018 ,	4.7	11
27	Abrasion of 6 dentifrices measured by vertical scanning interference microscopy. <i>Journal of Applied Oral Science</i> , 2013 , 21, 475-81	3.3	11
26	GIP analogues augment bone strength by modulating bone composition in diet-induced obesity in mice. <i>Peptides</i> , 2020 , 125, 170207	3.8	11
25	In vitro biological test methods to evaluate bioresorbability 2008 , 145-160		10
24	Evaluation of surface roughness of hydrogels by fractal texture analysis during swelling. <i>Langmuir</i> , 2006 , 22, 4843-5	4	10
23	Normal human adipose tissue functions and differentiation in patients with biallelic inactivating mutations. <i>Journal of Lipid Research</i> , 2017 , 58, 2348-2364	6.3	9
22	Sclerostin-Antibody Treatment Decreases Fracture Rates in Axial Skeleton and Improves the Skeletal Phenotype in Growing oim/oim Mice. <i>Calcified Tissue International</i> , 2020 , 106, 494-508	3.9	9
21	Aluminum inhibits the growth of hydroxyapatite crystals developed on a biomimetic methacrylic polymer. <i>Journal of Trace Elements in Medicine and Biology</i> , 2013 , 27, 346-51	4.1	9
20	A flavoprotein supports cell wall properties in the necrotrophic fungus. <i>Fungal Biology and Biotechnology</i> , 2017 , 4, 1	7.5	9
19	Interplay between bone and incretin hormones: A review. <i>Morphologie</i> , 2017 , 101, 9-18	0.9	9
18	Incretins and bone: friend or foe?. <i>Current Opinion in Pharmacology</i> , 2015 , 22, 72-8	5.1	8
17	Incretin-based therapy for the treatment of bone fragility in diabetes mellitus. <i>Peptides</i> , 2018 , 100, 108-113	3.13	7
16	Cellular changes during <i>Medicago truncatula</i> hypocotyl growth depend on temperature and genotype. <i>Plant Science</i> , 2014 , 217-218, 18-26	5.3	7
15	Enteroendocrine K Cells Exert Complementary Effects to Control Bone Quality and Mass in Mice. <i>Journal of Bone and Mineral Research</i> , 2020 , 35, 1363-1374	6.3	6
14	Diversity of bone matrix adhesion proteins modulates osteoblast attachment and organization of actin cytoskeleton. <i>Morphologie</i> , 2014 , 98, 53-64	0.9	6
13	Polyhydroxyalkanoate (PHBV) fibers obtained by a wet spinning method: Good in vitro cytocompatibility but absence of in vivo biocompatibility when used as a bone graft. <i>Morphologie</i> , 2019 , 103, 94-102	0.9	6
12	Human macrophages and osteoclasts resorb β -tricalcium phosphate in vitro but not mouse macrophages. <i>Micron</i> , 2019 , 125, 102730	2.3	5

11	Metaplastic woven bone in bone metastases: A Fourier-transform infrared analysis and imaging of bone quality (FTIR). <i>Morphologie</i> , 2018 , 102, 69-77	0.9	5
10	Cellular and molecular effects of thiazolidinediones on bone cells: a review. <i>International Journal of Biochemistry and Molecular Biology</i> , 2011 , 2, 240-6	0.4	5
9	Dapagliflozin and Liraglutide Therapies Rapidly Enhanced Bone Material Properties and Matrix Biomechanics at Bone Formation Site in a Type 2 Diabetic Mouse Model. <i>Calcified Tissue International</i> , 2020 , 107, 281-293	3.9	4
8	Characterization of Cells Interactions with Patterned Azopolymer-Based Materials using SEM, AFM and Video Microscopy. <i>Open Biomedical Engineering Journal</i> , 2018 , 12, 92-100	0.9	3
7	GLP-2 administration in ovariectomized mice enhances collagen maturity but did not improve bone strength. <i>Bone Reports</i> , 2020 , 12, 100251	2.6	2
6	Acetoacetate protects macrophages from lactic acidosis-induced mitochondrial dysfunction by metabolic reprogramming. <i>Nature Communications</i> , 2021 , 12, 7115	17.4	2
5	Update on: effects of anti-diabetic drugs on bone metabolism. <i>Expert Review of Endocrinology and Metabolism</i> , 2020 , 15, 415-430	4.1	1
4	Biological response to common surface bearings used in orthopaedics. <i>Journal of Surgical Orthopaedic Advances</i> , 2008 , 17, 34-9	0.3	1
3	Predicting Bone Regeneration with a Simple Blood Test. <i>Trends in Molecular Medicine</i> , 2021 , 27, 622-623	11.5	0
2	[Gly]-GLP-2, But Not Glucagon or [D-Ala]-GLP-1, Controls Collagen Crosslinking in Murine Osteoblast Cultures. <i>Frontiers in Endocrinology</i> , 2021 , 12, 721506	5.7	0
1	Osteomorphs as a tool for personalized medicine. <i>Trends in Endocrinology and Metabolism</i> , 2021 , 32, 655-656	8.8	0