Pierre Gillet

List of Publications by Citations

61 papers	1,477 citations	19 h-index	37 g-index
72 ext. papers	1,693 ext. citations	3.7 avg, IF	4.03 L-index

#	Paper	IF	Citations
61	Mono-iodoacetate-induced experimental osteoarthritis: a dose-response study of loss of mobility, morphology, and biochemistry. *Arthritis and Rheumatism*, **1997**, 40, 1670-9		303
60	Macroscopic and microscopic features of synovial membrane inflammation in the osteoarthritic knee: correlating magnetic resonance imaging findings with disease severity. *Arthritis and Rheumatism*, **2005**, 52, 3492-501		216
59	Dose-response relationship for exercise on severity of experimental osteoarthritis in rats: a pilot study. *Osteoarthritis and Cartilage*, **2004**, 12, 779-86	6.2	108
58	Effect of proteoglycan depletion on T2 mapping in rat patellar cartilage. *Radiology*, **2005**, 234, 162-70	20.5	78
57	Gene transfer with HSP 70 in rat chondrocytes confers cytoprotection in vitro and during experimental osteoarthritis. *FASEB Journal*, **2006**, 20, 65-75	0.9	58
56	Hyaluronate-covered nanoparticles for the therapeutic targeting of cartilage. *Biomacromolecules*, **2007**, 8, 3879-85	6.9	58
55	Phenotypic analysis of cell surface markers and gene expression of human mesenchymal stem cells and chondrocytes during monolayer expansion. *Biorheology*, **2008**, 45, 513-526	1.7	53
54	In vitro and in vivo potentialities for cartilage repair from human advanced knee osteoarthritis synovial fluid-derived mesenchymal stem cells. *Stem Cell Research and Therapy*, **2018**, 9, 329	8.3	41
53	Dose-response of superparamagnetic iron oxide labeling on mesenchymal stem cells chondrogenic differentiation: a multi-scale in vitro study. *PLoS ONE*, **2014**, 9, e98451	3.7	40
52	Direct gene transfer into rat articular cartilage by in vivo electroporation. *FASEB Journal*, **2003**, 17, 829-35	5.9	35
51	Drug-induced aseptic meningitis: a mini-review. *Fundamental and Clinical Pharmacology*, **2018**, 32, 252-260	3.1	33
50	Phenotypic analysis of cell surface markers and gene expression of human mesenchymal stem cells and chondrocytes during monolayer expansion. *Biorheology*, **2008**, 45, 513-26	1.7	30
49	In vivo high-resolution MRI (7T) of femoro-tibial cartilage changes in the rat anterior cruciate ligament transection model of osteoarthritis: a cross-sectional study. *Rheumatology*, **2010**, 49, 1654-64	3.9	29
48	Nacre, a natural, multi-use, and timely biomaterial for bone graft substitution. *Journal of Biomedical Materials Research - Part A*, **2017**, 105, 662-671	5.4	26
47	Induction of heat shock protein 70 (Hsp70) by proteasome inhibitor MG 132 protects articular chondrocytes from cellular death in vitro and in vivo. *Biorheology*, **2004**, 41, 521-34	1.7	26
46	Immune check point inhibitors-induced hypophysitis: a retrospective analysis of the French Pharmacovigilance database. *Scientific Reports*, **2019**, 9, 19419	4.9	25
45	Cytokines profiling by multiplex analysis in experimental arthritis: which pathophysiological relevance for articular versus systemic mediators?. *Arthritis Research and Therapy*, **2012**, 14, R60	5.7	21

44	Hypoxia for Mesenchymal Stem Cell Expansion and Differentiation: The Best Way for Enhancing TGF‐Induced Chondrogenesis and Preventing Calcifications in Alginate Beads. *Tissue Engineering - Part A*, **2017**, 23, 913-922	3.9	20
43	Evaluation of intra-articular delivery of hyaluronic acid functionalized biopolymeric nanoparticles in healthy rat knees. *Bio-Medical Materials and Engineering*, **2010**, 20, 235-42	1	20
42	Matrilin-3 switches from anti- to pro-anabolic upon integration to the extracellular matrix. *Matrix Biology*, **2012**, 31, 290-8	11.4	17
41	Osteogenic differentiation of human bone marrow mesenchymal stem cells in hydrogel containing nacre powder. *Journal of Biomedical Materials Research - Part A*, **2013**, 101, 3211-8	5.4	16
40	Expression of the semicarbazide-sensitive amine oxidase in articular cartilage: its role in terminal differentiation of chondrocytes in rat and human. *Osteoarthritis and Cartilage*, **2016**, 24, 1223-34	6.2	13
39	Thyroiditis and immune check point inhibitors: the post-marketing experience using the French National Pharmacovigilance database. *Fundamental and Clinical Pharmacology*, **2019**, 33, 241-249	3.1	13
38	PLGA-Based Nanoparticles: a Safe and Suitable Delivery Platform for Osteoarticular Pathologies. *Pharmaceutical Research*, **2015**, 32, 3886-98	4.5	12
37	Combining Innovative Bioink and Low Cell Density for the Production of 3D-Bioprinted Cartilage Substitutes: A Pilot Study. *Stem Cells International*, **2020**, 2020, 2487072	5	12
36	Alternative for anti-TNF antibodies for arthritis treatment. *Molecular Therapy*, **2011**, 19, 1887-95	11.7	11
35	New trends in MRI of cartilage: Advances and limitations in small animal studies. *Bio-Medical Materials and Engineering*, **2010**, 20, 189-94	1	10
34	Stem Cells and Extrusion 3D Printing for Hyaline Cartilage Engineering. *Cells*, **2020**, 10,	7.9	10
33	IL-17 Inhibitors and Inflammatory Bowel Diseases: A Postmarketing Study in Vigibase. *Clinical Pharmacology and Therapeutics*, **2021**, 110, 159-168	6.1	10
32	Respective stemness and chondrogenic potential of mesenchymal stem cells isolated from human bone marrow, synovial membrane, and synovial fluid. *Stem Cell Research and Therapy*, **2020**, 11, 316	8.3	9
31	Nicorandil-induced ulcerations: a 10-year observational study of all cases spontaneously reported to the French pharmacovigilance network. *International Wound Journal*, **2018**, 15, 508-518	2.6	9
30	Effect of dynamic loading on MSCs chondrogenic differentiation in 3-D alginate culture. *Bio-Medical Materials and Engineering*, **2012**, 22, 209-18	1	8
29	Local induction of heat shock protein 70 (Hsp70) by proteasome inhibition confers chondroprotection during surgically induced osteoarthritis in the rat knee. *Bio-Medical Materials and Engineering*, **2008**, 18, 253-260	1	8
28	Ambivalent properties of hyaluronate and hylan during post-traumatic OA in the rat knee. *Bio-Medical Materials and Engineering*, **2012**, 22, 235-42	1	7
27	Expression of chondrogenic genes by undifferentiated vs. differentiated human mesenchymal stem cells using array technology. *Bio-Medical Materials and Engineering*, **2010**, 20, 175-81	1	7

26	Interest of animal models in the preclinical screening of anti-osteoarthritic drugs. *Joint Bone Spine*, **2000**, 67, 565-9	2.9	6
25	Hepatitis B reactivation and immune check point inhibitors. *Digestive and Liver Disease*, **2021**, 53, 452-455	3.3	6
24	Oxytocin Controls Chondrogenesis and Correlates with Osteoarthritis. *International Journal of Molecular Sciences*, **2020**, 21,	6.3	5
23	Misuse of acetaminophen in the management of dental pain. *Pharmacoepidemiology and Drug Safety*, **2011**, 20, 996-1000	2.6	5
22	Label-free relative quantification of secreted proteins as a non-invasive method for the quality control of chondrogenesis in bioengineered substitutes for cartilage repair. *Journal of Tissue Engineering and Regenerative Medicine*, **2018**, 12, e1757-e1766	4.4	4
21	Drug adulteration of sexual enhancement supplements: a worldwide insidious public health threat. *Fundamental and Clinical Pharmacology*, **2021**, 35, 792-807	3.1	4
20	Respective interest of T2 mapping and diffusion tensor imaging in assessing porcine knee cartilage with MR at 3 Teslas. *Bio-Medical Materials and Engineering*, **2013**, 23, 263-72	1	3
19	Innovative TCSPC-SHG microscopy imaging to monitor matrix collagen neo-synthetized in bioscaffolds. *Bio-Medical Materials and Engineering*, **2010**, 20, 183-8	1	3
18	Evaluation of a rat knee mono-arthritis using microPET. *Bio-Medical Materials and Engineering*, **2010**, 20, 195-202	1	3
17	Subchondral nacre implant in the articular zone of the sheep\'s knee: a pilot study. *Bio-Medical Materials and Engineering*, **2012**, 22, 227-34	1	3
16	The effect of nacre extract on cord blood-derived endothelial progenitor cells: A natural stimulus to promote angiogenesis?. *Journal of Biomedical Materials Research - Part A*, **2019**, 107, 1406-1413	5.4	2
15	Hypertrigyceridemia during infliximab therapy. *Joint Bone Spine*, **2014**, 81, 94-6	2.9	2
14	In vivo rat knee cartilage volume measurement using quantitative high resolution MRI (7 T): Feasibility and reproducibility. *Bio-Medical Materials and Engineering*, **2008**, 18, 247-252	1	2
13	Apport de l'IRM au bilan lésionnel cartilagineux et articulaire dans la pathologie dégénérative du genou. *Revue Du Rhumatisme (Edition Francaise)*, **2006**, 73, 609-616	0.1	2
12	Intravenous single administration of amiodarone and breastfeeding. *Fundamental and Clinical Pharmacology*, **2019**, 33, 367-372	3.1	2
11	Gastroenterological safety of IL-17 inhibitors: a systematic literature review. *Expert Opinion on Drug Safety*, **2021**, 1-17	4.1	2
10	Opioid substitution therapy or hidden opioids are a minefield for nalmefene: an atypical case series of 11 patients in Lorraine. *Fundamental and Clinical Pharmacology*, **2017**, 31, 574-579	3.1	1
9	Induction of Osteogenic MC3T3-E1 Cell Differentiation by Nacre and Flesh Lipids of Tunisian Pinctada radiata. *Lipids*, **2019**, 54, 433-444	1.6	1

8	Atypical response of spondyloarthritis to biologics revealing Whipple's disease: A case-report. *Therapie*, **2018**, 73, 437-439	3.8	1
7	Design of a Four-Channel Surface Receiver Coil Array Without Preamplifiers for the Decoupling Between Elements: Validation for High-Resolution Rat Knee MR Imaging. *IEEE Sensors Journal*, **2013**, 13, 2450-2458	4	1
6	Cluster headache-like symptoms during treatment with tenofovir disoproxil fumarate and emtricitabine. *Aids*, **2019**, 33, 1535-1536	3.5	1
5	A flare-up of rheumatoid arthritis followed by adrenocorticotropic insufficiency induced by pembrolizumab: A case-report. *Therapie*, **2021**, 76, 510-512	3.8	0
4	Rapamycin-loaded Poly(lactic-co-glycolic) acid nanoparticles: Preparation, characterization, and in vitro toxicity study for potential intra-articular injection. *International Journal of Pharmaceutics*, **2021**, 609, 121198	6.5	0
3	New tools for non-invasive exploration of collagen network in cartilaginous tissue-engineered substitute. *Bio-Medical Materials and Engineering*, **2017**, 28, S229-S235	1	
2	Stability of a 1.0 mg ml(-1) aqueous pholcodine solution for allergy skin testing. *British Journal of Clinical Pharmacology*, **2014**, 78, 1172-4	3.8	
1	Quantitative dynamic contrast enhanced MRI of experimental synovitis in the rabbit knee: Comparison of macromolecular blood pool agents vs. Gadolinium-DOTA. *Bio-Medical Materials and Engineering*, **2008**, 18, 261-272	1	