Arnaud Bianchi

List of Publications by Year
in descending order

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81	1,879	236612	264894
papers	citations	25 h-index	42 g-index

89	89	89	2445
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Efficient TGF-Î²1 Delivery to Articular Chondrocytes In Vitro Using Agro-Based Liposomes. International Journal of Molecular Sciences, 2022, 23, 2864.	1.8	9
2	Encapsulation of Salmon Peptides in Marine Liposomes: Physico-Chemical Properties, Antiradical Activities and Biocompatibility Assays. Marine Drugs, 2022, 20, 249.	2.2	13
3	Bone Marrow MSC Secretome Increases Equine Articular Chondrocyte Collagen Accumulation and Their Migratory Capacities. International Journal of Molecular Sciences, 2022, 23, 5795.	1.8	9
4	Is Extracellular Vesicle-Based Therapy the Next Answer for Cartilage Regeneration?. Frontiers in Bioengineering and Biotechnology, 2021, 9, 645039.	2.0	16
5	Development of extracellular vesicle-based medicinal products: A position paper of the group â€œExtracellular Vesicle translatiOn to clinicaL perspectiVEs â€“ EVOLVE Franceâ€. Advanced Drug Delivery Reviews, 2021, 179, 114001.	6.6	42
6	Nanoliposomes from Agro-Resources as Promising Delivery Systems for Chondrocytes. International Journal of Molecular Sciences, 2020, 21, 3436.	1.8	10
7	Physicochemical Properties and Liposomal Formulations of Hydrolysate Fractions of Four Sea Cucumbers (Holothuroidea: Echinodermata) from the Northwestern Algerian Coast. Molecules, 2020, 25, 2972.	1.7	3
8	ATDC5 cells as a model of cartilage extracellular matrix neosynthesis, maturation and assembly. Journal of Proteomics, 2020, 219, 103718.	1.2	11
9	The effect of nacre extract on cord bloodâ€derived endothelial progenitor cells: A natural stimulus to promote angiogenesis?. Journal of Biomedical Materials Research - Part A, 2019, 107, 1406-1413.	2.1	5
10	PiT1/Slc20a1 Is Required for Endoplasmic Reticulum Homeostasis, Chondrocyte Survival, and Skeletal Development. Journal of Bone and Mineral Research, 2019, 34, 387-398.	3.1	29
11	Eplerenone treatment alleviates the development of joint lesions in a new rat model of spontaneous metabolic-associated osteoarthritis. Annals of the Rheumatic Diseases, 2018, 77, 315-316.	0.5	19
12	Response to: â€˜Spontaneous hypertensive rat exhibits bone and meniscus phenotypes of osteoarthritis: is it an appropriate control for MetS-associated OA?â€™ by Chan and Wen. Annals of the Rheumatic Diseases, 2018, 77, e26-e26.	0.5	0
13	Nacre, a natural, multiâ€use, and timely biomaterial for bone graft substitution. Journal of Biomedical Materials Research - Part A, 2017, 105, 662-671.	2.1	40
14	Fibroblast-growth factor 23 promotes terminal differentiation of ATDC5 cells. PLoS ONE, 2017, 12, e0174969.	1.1	8
15	Si photonic active controller for polarization independent coupling. , 2016, , .		0
16	Role of matrix GLA protein during mouse postnatal endochondral ossification. Osteoarthritis and Cartilage, 2016, 24, S134.	0.6	0
17	A new method for the separation and purification of the osteogenic compounds of nacre Ethanol Soluble Matrix. Journal of Structural Biology, 2016, 196, 127-137.	1.3	12
18	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, 1223-1234.	0.6	15

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19	Fibroblast Growth Factor 23 drives MMP13 expression in human osteoarthritic chondrocytes in a Klotho-independent manner. Osteoarthritis and Cartilage, 2016, 24, 1961-1969.	0.6	32
20	Effect of PPI stimulation on osteoarthritic articular human chondrocytes. Osteoarthritis and Cartilage, 2016, 24, S401.	0.6	0
21	Maintenance of chondrocyte survival by PIT1/SLC20A1-mediated regulation of endoplasmic reticulum homeostasis. Osteoarthritis and Cartilage, 2016, 24, S135.	0.6	3
22	A simple two dimensional culture method to study the hypertrophic differentiation of rat articular chondrocytes. Bio-Medical Materials and Engineering, 2015, 25, 87-102.	0.4	6
23	Nacre extract restores the mineralization capacity of subchondral osteoarthritis osteoblasts. Journal of Structural Biology, 2015, 192, 500-509.	1.3	28
24	Hypoxia and vitamin D differently contribute to leptin and dickkopf-related protein 2 production in human osteoarthritic subchondral bone osteoblasts. Arthritis Research and Therapy, 2014, 16, 459.	1.6	21
25	Identification of new microRNAs targeting genes regulating the Pi/PPi balance in chondrocytes. Bio-Medical Materials and Engineering, 2014, 24, 3-16.	0.4	8
26	Phosphate-induced mineralization of tracheal smooth muscle and cartilage cells. Bio-Medical Materials and Engineering, 2014, 24, 37-45.	0.4	1
27	Association between adiponectin and cartilage degradation in human osteoarthritis. Osteoarthritis and Cartilage, 2014, 22, 519-526.	0.6	68
28	Oxidative stress-induced expression of HSP70 contributes to the inhibitory effect of 15d-PGJ2 on inducible prostaglandin pathway in chondrocytes. Free Radical Biology and Medicine, 2014, 76, 114-126.	1.3	35
29	OP0174â€...Ppar Gamma Deficient Mice Develop Spontaneous Polyarthritis. Annals of the Rheumatic Diseases, 2014, 73, 128.1-128.	0.5	0
30	Revisiting spatial distribution and biochemical composition of calcium-containing crystals in human osteoarthritic articular cartilage. Arthritis Research and Therapy, 2013, 15, R103.	1.6	49
31	Osteoproperties of extracts from nacre powder on human osteoblasts. Bone, 2012, 50, S69.	1.4	0
32	Articular cartilage calcification in osteoarthritis: Insights into crystalâ€induced stress. Arthritis and Rheumatism, 2011, 63, 10-18.	6.7	134
33	Calcium Input Potentiates the Transforming Growth Factor (TGF)-Î²1-dependent Signaling to Promote the Export of Inorganic Pyrophosphate by Articular Chondrocyte. Journal of Biological Chemistry, 2011, 286, 19215-19228.	1.6	16
34	208 CALCIUM INPUT MODULATES TRANSFORMING GROWTH FACTOR-Î²1-INDUCED EXPORT OF INORGANIC PYROPHOSPHATE BY CONTROLLING ANK EXPRESSION IN CHONDROCYTE: POSSIBLE INSIGHT TO THE PATHOPHYSIOLOGY OF HYPERCALCEMIA-RELATED CHONDROCALCINOSIS. Osteoarthritis and Cartilage, 2010, 18, S98.	0.6	0
35	269 POTENTIAL INVOLVEMENT OF GALECTIN-3 ON THE OSTEOARTHRITIC HUMAN CHONDROCYTE PHENOTYPE. Osteoarthritis and Cartilage, 2010, 18, S121.	0.6	0
36	Activation of PPARs<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ±</mml:mi></mml:math>,<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ²</mml:mi></mml:math>/<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ´</mml:mi></mml:math>, and<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ³</mml:mi></mml:math>Impairs TGF-<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:miÎ²</mml:mi></mml:math>1-I	1.1	20

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37	The Inorganic Pyrophosphate Transporter ANK Preserves the Differentiated Phenotype of Articular Chondrocyte. Journal of Biological Chemistry, 2010, 285, 10572-10582.	1.6	24
38	Inorganic phosphate (Pi) modulates the expression of key regulatory proteins of the inorganic pyrophosphate (PPi) metabolism in TGF-Î²1-stimulated chondrocytes. Bio-Medical Materials and Engineering, 2010, 20, 209-215.	0.4	3
39	Multi-card wavelength scheduling in modular optical packet switches. , 2009, , .		3
40	201 IMPLICATION OF INORGANIC PYROPHOSPHATE AND ITS TRANSPORTER ANK IN THE MAINTENANCE OF ARTICULAR CHONDROCYTE PHENOTYPE. ROLE OF WNT-5A. Osteoarthritis and Cartilage, 2009, 17, S115.	0.6	0
41	207 INFLUENCE OF CALCIUM LEVEL ON THE EFFECT OF TRANSFORMING GROWTH FACTOR BETA-1 IN THE GENERATION OF INORGANIC PYROPHOSPHATE BY ARTICULAR CHONDROCYTE. Osteoarthritis and Cartilage, 2009, 17, S118.	0.6	0
42	All-optical cell acknowledgment in synchronous optical packet switches. , 2009, , .		0
43	236 RECIPROCAL REGULATION OF ADAMTS BYII-1 AND TGF-Î² IN CHONDROCYTES: MODULATION BY SELECTIVE PPAR AGONISTS. Osteoarthritis and Cartilage, 2008, 16, S109.	0.6	0
44	238 IMPLICATION OF THE INORGANIC PYROPHOSPHATE TRANSPORTER ANK IN ARTICULAR CHONDROCYTE PHENOTYPE SUSTAIN. Osteoarthritis and Cartilage, 2008, 16, S110.	0.6	0
45	All-trans retinoic acid suppresses interleukin-6 expression in interleukin-1-stimulated synovial fibroblasts by inhibition of ERK1/2 pathway independently of RAR activation. Arthritis Research and Therapy, 2008, 10, R141.	1.6	36
46	Anti-inflammatory effect of antidiabetic thiazolidinediones prevents bone resorption rather than cartilage changes in experimental polyarthritis. Arthritis Research and Therapy, 2008, 10, R6.	1.6	52
47	Modulatory effect of rhein on IL-1Î±-induced responses in human chondrocytes: A comparative study between antibody microarrays and specific ELISAs. Biorheology, 2008, 45, 439-455.	1.2	10
48	Evidence for species differences in the regulation of MMPs by all-trans retinoic acid in cytokine-stimulated chondrocytes. Biorheology, 2008, 45, 415-432.	1.2	1
49	Inorganic pyrophosphate generation by transforming growth factor-beta-1 is mainly dependent on ANK induction by Ras/Raf-1/extracellular signal-regulated kinase pathways in chondrocytes. Arthritis Research and Therapy, 2007, 9, R122.	1.6	37
50	Agonists of peroxisome proliferators-activated receptors (PPAR) Î±, Î²/Î´ or Î³ reduce transforming growth factor (TGF)-Î²-induced proteoglycans' production in chondrocytes. Osteoarthritis and Cartilage, 2007, 15, 493-505.	0.6	37
51	167 INORGANIC PYROPHOSPHATE GENERATION BY TUMOR GROWTH FACTOR-BETA1 IS MAINLY DEPENDENT ON ANK INDUCTION BY RAS/RAF-1/EXTRACELLULAR REGULATED KINASE PATHWAYS IN CHONDROCYTES. Osteoarthritis and Cartilage, 2007, 15, C100-C101.	0.6	1
52	199 ARTICULAR LEVELS OF ADIPONECTIN ARE NOT CHONDROPROTECTIVE IN 3D CULTURES OF HUMAN CHONDROCYTES. Osteoarthritis and Cartilage, 2007, 15, C117.	0.6	0
53	355 ALL-TRANS RETINOIC ACID IS ANTI-INFLAMMATORY IN INTERLEUKIN-1-STIMULATED SYNOVIAL FIBROBLASTS BY RETINOIC ACID RECEPTOR-INDEPENDENT MECHANISMS. Osteoarthritis and Cartilage, 2007, 15, C198.	0.6	0
54	Effect of peroxisome proliferator activated receptor (PPAR)gamma agonists on prostaglandins cascade in joint cells. Biorheology, 2006, 43, 561-75.	1.2	10

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55	Rosiglitazone induces interleukin-1 receptor antagonist in interleukin-1?-stimulated rat synovial fibroblasts via a peroxisome proliferator-activated receptor ?/?-dependent mechanism. Arthritis and Rheumatism, 2005, 52, 759-769.	6.7	23
56	RÃ1e des rÃ©cepteurs nuclÃ©aires PPAR et ROR dans les cellules articulaires de la polyarthrite rhumatoÃ¯de. Revue Du Rhumatisme (Edition Francaise), 2005, 72, 331-336.	0.0	0
57	Contrasting effects of peroxisome-proliferator-activated receptor (PPAR)gamma agonists on membrane-associated prostaglandin E2 synthase-1 in IL-1beta-stimulated rat chondrocytes: evidence for PPARgamma-independent inhibition by 15-deoxy-Delta12,14prostaglandin J2. Arthritis Research and Therapy, 2005, 7, R1325.	1.6	50
58	Redox state alteration modulates astrocyte glucuronidation. Free Radical Biology and Medicine, 2004, 37, 1051-1063.	1.3	11
59	Decrease of human hepatoma cell growth by arachidonic acid is associated with an accumulation of derived products from lipid peroxidation. Biochimie, 2004, 86, 633-642.	1.3	9
60	15-Deoxy-Î”12,14-prostaglandin J2inhibits IL-1Î²-induced IKK enzymatic activity and IÎºBÎ± degradation in rat chondrocytes through a PPARÎ³-independent pathway. FEBS Letters, 2004, 572, 33-40.	1.3	31
61	Induction of the expression of the peroxisome proliferator-activated receptor alpha (PPARÎ±) by clofibrate in jerboa tissues. Microscopy Research and Technique, 2003, 61, 185-190.	1.2	4
62	Evidence for the presence of both peroxisome proliferator-activated receptors alpha and beta in the rat spinal cord. Journal of Chemical Neuroanatomy, 2003, 25, 29-38.	1.0	28
63	Different contribution of apoptosis to the antiproliferative effects of diosgenin and other plant steroids, hecogenin and tigogenin, on human 1547 osteosarcoma cells. International Journal of Oncology, 2003, 22, 899.	1.4	48
64	Glucosamine modulates IL-1-induced activation of rat chondrocytes at a receptor level, and by inhibiting the NF-ÎºB pathway. FEBS Letters, 2002, 510, 166-170.	1.3	138
65	PPAR-Î³ ligands modulate effects of LPS in stimulated rat synovial fibroblasts. American Journal of Physiology - Cell Physiology, 2002, 282, C125-C133.	2.1	78
66	Clofibric acid down-regulation of metallothionein IIA in HepG2 human hepatoma cells. Biochemical Pharmacology, 2002, 63, 237-245.	2.0	8
67	Down-regulation of peroxisome proliferator-activated receptor-Î³ gene expression by sphingomyelins. FEBS Letters, 2001, 493, 75-79.	1.3	6
68	15-Deoxy-Î”12,14 -PGJ2 , but not troglitazone, modulates IL-1Î² effects in human chondrocytes by inhibiting NF-ÎºB and AP-1 activation pathways. FEBS Letters, 2001, 501, 24-30.	1.3	88
69	A plant steroid, diosgenin, induces apoptosis, cell cycle arrest and COX activity in osteosarcoma cells. FEBS Letters, 2001, 506, 225-230.	1.3	159
70	Constitutive NF-ÎºB activity influences basal apoptosis and radiosensitivity of head-and-neck carcinoma cell lines. International Journal of Radiation Oncology Biology Physics, 2001, 51, 1354-1360.	0.4	36
71	Activation of the Activator Protein-1 by the Peroxisome Proliferator Clofibric Acid in Rat H4IIEC3 Hepatoma Cells. Toxicology and Applied Pharmacology, 2001, 174, 294-301.	1.3	4
72	Evidence for the Presence of Peroxisome Proliferator-activated Receptor (PPAR) Î± and Î³ and Retinoid Z Receptor in Cartilage. Journal of Biological Chemistry, 2000, 275, 12243-12250.	1.6	128

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73	Differential Expression of Peroxisome Proliferator-activated Receptors (PPARs) in the Developing Human Fetal Digestive Tract. Journal of Histochemistry and Cytochemistry, 2000, 48, 603-611.	1.3	77
74	A 45 kDa protein related to PPARÎ³2, induced by peroxisome proliferators, is located in the mitochondrial matrix. FEBS Letters, 2000, 478, 4-8.	1.3	56
75	Time-variant AR spectral estimation in the study of vasovagal syncope. , 1992, , .		0
76	A note on transverse vibrations of annular, circular plates of rectangular orthotropy. Journal of Sound and Vibration, 1985, 99, 140-143.	2.1	10
77	Magnesium valproate: A drug trial in the treatment of human epilepsy. Electroencephalography and Clinical Neurophysiology, 1985, 61, S214.	0.3	0
78	Some basic problems of heat conduction in an anisotropic finite medium. Fibre Science and Technology, 1984, 21, 181-203.	0.2	0
79	La gÃ©ochimie organique des sÃ©diments marins profonds mission Orgon 1, 1974 (mer de NorvÃ¨ge). DeuxiÃ¨me Partie. Oil & Gas Science & Technology, 1975, 30, 197-212.	0.2	0
80	Pro-osteogenic properties of nacre extract on two cell lines, primary human osteoblasts and MC3T3-E1 cell line. Bone Abstracts, 0, , .	0.0	0
81	Cationic nacre ethanol soluble matrix has an osteoanabolic effect on human subchondral osteoarthritic osteoblasts and MC3T3-E1 cell line. Bone Abstracts, 0, , .	0.0	0