Astrid Pinzano

List of Publications by Year
in descending order

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46 papers	1,283 citations	393982 19 h-index	360668 35 g-index
48 all docs	48 docs citations	48 times ranked	1925 citing authors

#	Article	IF	Citations
1	Rat synovial tissue and blood rapamycin pharmacokinetics after intra-articular injection of free solution or nanoparticles vs free rapamycin intravenous shot. International Journal of Pharmaceutics, 2022, 624, 122026.	2.6	1
2	Stem Cells and Extrusion 3D Printing for Hyaline Cartilage Engineering. Cells, 2021, 10, 2.	1.8	40
3	Relationship between spinal structural damage on radiography and bone fragility on CT in ankylosing spondylitis patients. Scientific Reports, 2021, 11, 9342.	1.6	7
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.	2.6	8
5	HydraPsiSeq: a method for systematic and quantitative mapping of pseudouridines in RNA. Nucleic Acids Research, 2020, 48, e110-e110.	6.5	72
6	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.	2.4	22
7	Consequences of spinal ankylosis on bone trabecular fragility assessed on CT scans in patients with ankylosing spondylitis. A retrospective study. Joint Bone Spine, 2020, 87, 625-631.	0.8	6
8	Oxytocin Controls Chondrogenesis and Correlates with Osteoarthritis. International Journal of Molecular Sciences, 2020, 21, 3966.	1.8	10
9	Combining Innovative Bioink and Low Cell Density for the Production of 3D-Bioprinted Cartilage Substitutes: A Pilot Study. Stem Cells International, 2020, 2020, 1-16.	1.2	25
10	Labelâ€free relative quantification of secreted proteins as a nonâ€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.	1.3	4
11	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.	2.4	62
12	New tools for non-invasive exploration of collagen network in cartilaginous tissue-engineered substitute. Bio-Medical Materials and Engineering, 2017, 28, S229-S235.	0.4	0
13	Hypoxia for Mesenchymal Stem Cell Expansion and Differentiation: The Best Way for Enhancing TGFÃŸ-Induced Chondrogenesis and Preventing Calcifications in Alginate Beads. Tissue Engineering - Part A, 2017, 23, 913-922.	1.6	24
14	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
15	Chondrogenic induction of mesenchymal stromal/stem cells from Whartonâ€™s jelly embedded in alginate hydrogel and without added growth factor: an alternative stem cell source for cartilage tissue engineering. Stem Cell Research and Therapy, 2015, 6, 260.	2.4	64
16	New trends in articular cartilage repair. Journal of Experimental Orthopaedics, 2015, 2, 8.	0.8	12
17	Dose-Response of Superparamagnetic Iron Oxide Labeling on Mesenchymal Stem Cells Chondrogenic Differentiation: A Multi-Scale In Vitro Study. PLoS ONE, 2014, 9, e98451.	1.1	51
18	Foreword. Bio-Medical Materials and Engineering, 2014, 24, 1-1.	0.4	2

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19	Nicorandil: from ulcer to fistula into adjacent organs. International Wound Journal, 2013, 10, 210-213.	1.3	12
20	Osteogenic differentiation of human bone marrow mesenchymal stem cells in hydrogel containing nacre powder. Journal of Biomedical Materials Research - Part A, 2013, 101, 3211-3218.	2.1	25
21	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.	2.4	2
22	Foreword. Bio-Medical Materials and Engineering, 2013, 23, 249-249.	0.4	0
23	Increasing the bioactivity of elastomeric poly(Îµ-caprolactone) scaffolds for use in tissue engineering. Bio-Medical Materials and Engineering, 2013, 23, 281-288.	0.4	8
24	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, 263-272.	0.4	3
25	Effect of dynamic loading on MSCs chondrogenic differentiation in 3-D alginate culture. Bio-Medical Materials and Engineering, 2012, 22, 209-218.	0.4	9
26	Ambivalent properties of hyaluronate and hylan during post-traumatic OA in the rat knee. Bio-Medical Materials and Engineering, 2012, 22, 235-242.	0.4	8
27	Cytokines profiling by multiplex analysis in experimental arthritis: which pathophysiological relevance for articular versus systemic mediators?. Arthritis Research and Therapy, 2012, 14, R60.	1.6	29
28	Foreword. Bio-Medical Materials and Engineering, 2012, 22, 195-195.	0.4	0
29	Analysis of collagen expression during chondrogenic induction of human bone marrow mesenchymal stem cells. Biotechnology Letters, 2011, 33, 2091-2101.	1.1	29
30	In vivo characterization of morphological properties and contact areas of the rat cartilage derived from high-resolution MRI. Irbm, 2011, 32, 204-213.	3.7	5
31	Alternative for Anti-TNF Antibodies for Arthritis Treatment. Molecular Therapy, 2011, 19, 1887-1895.	3.7	13
32	New trends in MRI of cartilage: Advances and limitations in small animal studies. Bio-Medical Materials and Engineering, 2010, 20, 189-194.	0.4	12
33	Expression of chondrogenic genes by undifferentiated vs. differentiated human mesenchymal stem cells using array technology. Bio-Medical Materials and Engineering, 2010, 20, 175-181.	0.4	8
34	Introduction to tissue engineering and application for cartilage engineering. Bio-Medical Materials and Engineering, 2010, 20, 127-133.	0.4	22
35	Innovative TCSPCâ€“SHG microscopy imaging to monitor matrix collagen neo-synthetized in bioscaffolds. Bio-Medical Materials and Engineering, 2010, 20, 183-188.	0.4	5
36	Evaluation of a rat knee mono-arthritis using microPET. Bio-Medical Materials and Engineering, 2010, 20, 195-202.	0.4	4

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37	Designing a three-dimensional alginate hydrogel by spraying method for cartilage tissue engineering. Soft Matter, 2010, 6, 5165.	1.2	42
38	Autologous bone marrow graft and treatment of delayed and non-unions of long bones: Technical aspects. Bio-Medical Materials and Engineering, 2009, 19, 277-281.	0.4	7
39	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.	0.4	14
40	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.	0.4	8
41	Gene transfer with HSP 70 in rat chondrocytes confers cytoprotection in vitro and during experimental osteoarthritis. FASEB Journal, 2006, 20, 65-75.	0.2	70
42	BMP-2 induces the expression of chondrocyte-specific genes in bovine synovium-derived progenitor cells cultured in three-dimensional alginate hydrogel. Osteoarthritis and Cartilage, 2005, 13, 527-536.	0.6	153
43	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, 3492-3501.	6.7	239
44	T2 mapping: an efficient MR quantitative technique to evaluate spontaneous cartilage repair in rat patella11This work was supported by grants from Projet Hospitalier de Recherche Clinique (1998), the Contrat de Projet de Recherche Clinique (2000), â€˜Fondation pour la Recherche MÃ©dicaleâ€™, â€˜RÃ©gion Lorraineâ€™ and â€˜Groupement de Recherches CNRS 2237â€™.. Osteoarthritis and Cartilage, 2004, 12, 191-200.	0.6	47
45	Evaluation of cartilage repair tissue after biomaterial implantation in rat patella by using T2 mapping. Magnetic Resonance Materials in Physics, Biology, and Medicine, 2004, 17, 219-228.	1.1	55
46	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.	1.2	28