Janine N Post

List of Publications by Year
in descending order

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Version: 2024-02-01

56	2,687	393982	214527
papers	citations	19 h-index	47 g-index

58	58	58	4037
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Quantum dot ligands provide new insights into erbB/HER receptorâ€“mediated signal transduction. Nature Biotechnology, 2004, 22, 198-203.	9.4	796
2	Trophic Effects of Mesenchymal Stem Cells Increase Chondrocyte Proliferation and Matrix Formation. Tissue Engineering - Part A, 2011, 17, 1425-1436.	1.6	259
3	Gene expression profiling of dedifferentiated human articular chondrocytes inÂmonolayer culture. Osteoarthritis and Cartilage, 2013, 21, 599-603.	0.6	147
4	Imaging molecular interactions in cells by dynamic and static fluorescence anisotropy (rFLIM and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.6	145
5	Gene transfer and protein dynamics in stem cells using single cell electroporation in a microfluidic device. Lab on A Chip, 2008, 8, 62-67.	3.1	144
6	Synthesis and Bioconjugation of Gold Nanoparticles as Potential Molecular Probes for Light-Based Imaging Techniques. International Journal of Biomedical Imaging, 2007, 2007, 1-10.	3.0	105
7	Metabolic programming of mesenchymal stromal cells by oxygen tension directs chondrogenic cell fate. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 13954-13959.	3.3	104
8	The Regulatory Role of Signaling Crosstalk in Hypertrophy of MSCs and Human Articular Chondrocytes. International Journal of Molecular Sciences, 2015, 16, 19225-19247.	1.8	97
9	ERK Nuclear Translocation Is Dimerization-independent but Controlled by the Rate of Phosphorylation. Journal of Biological Chemistry, 2010, 285, 3092-3102.	1.6	92
10	Correlation between Gene Expression and Osteoarthritis Progression in Human. International Journal of Molecular Sciences, 2016, 17, 1126.	1.8	81
11	One- and two-photon photoactivation of a paGFP-fusion protein in liveDrosophilaembryos. FEBS Letters, 2005, 579, 325-330.	1.3	76
12	GREM1, FRZB and DKK1 mRNA levels correlate with osteoarthritis and are regulated by osteoarthritis-associated factors. Arthritis Research and Therapy, 2013, 15, R126.	1.6	74
13	T Cell Factor 4 Is a Pro-catabolic and Apoptotic Factor in Human Articular Chondrocytes by Potentiating Nuclear Factor Î²B Signaling. Journal of Biological Chemistry, 2013, 288, 17552-17558.	1.6	58
14	WNT Signaling and Cartilage: Of Mice and Men. Calcified Tissue International, 2013, 92, 399-411.	1.5	49
15	The Effects of the WNT-Signaling Modulators BIO and PKF118-310 on the Chondrogenic Differentiation of Human Mesenchymal Stem Cells. International Journal of Molecular Sciences, 2018, 19, 561.	1.8	32
16	Endogenous DKK1 and FRZB Regulate Chondrogenesis and Hypertrophy in Three-Dimensional Cultures of Human Chondrocytes and Human Mesenchymal Stem Cells. Stem Cells and Development, 2016, 25, 1808-1817.	1.1	31
17	Nitric Oxide Mediates Crosstalk between Interleukin 1Î² and WNT Signaling in Primary Human Chondrocytes by Reducing DKK1 and FRZB Expression. International Journal of Molecular Sciences, 2017, 18, 2491.	1.8	28
18	Differentiation of Mesenchymal Stem Cells under Hypoxia and Normoxia: Lipid Profiles Revealed by Time-of-Flight Secondary Ion Mass Spectrometry and Multivariate Analysis. Analytical Chemistry, 2015, 87, 3981-3988.	3.2	25

#	Article	IF	Citations
19	Biological networks 101: Computational modeling for molecular biologists. Gene, 2014, 533, 379-384.	1.0	21
20	Modelling with ANIMO: between fuzzy logic and differential equations. BMC Systems Biology, 2016, 10, 56.	3.0	21
21	A Qualitative Model of the Differentiation Network in Chondrocyte Maturation: A Holistic View of Chondrocyte Hypertrophy. PLoS ONE, 2016, 11, e0162052.	1.1	19
22	Nanomaterials for the Local and Targeted Delivery of Osteoarthritis Drugs. Journal of Nanomaterials, 2012, 2012, 1-13.	1.5	18
23	Modeling Biological Pathway Dynamics With Timed Automata. IEEE Journal of Biomedical and Health Informatics, 2014, 18, 832-839.	3.9	18
24	Effect of radiation on the Notch signaling pathway in osteoblasts. International Journal of Molecular Medicine, 2013, 31, 698-706.	1.8	17
25	Co-treatment of TGF-Î²3 and BMP7 is superior in stimulating chondrocyte redifferentiation in both hypoxia and normoxia compared to single treatments. Scientific Reports, 2018, 8, 10251.	1.6	17
26	Fetal Mesenchymal Stromal Cells Differentiating towards Chondrocytes Acquire a Gene Expression Profile Resembling Human Growth Plate Cartilage. PLoS ONE, 2012, 7, e44561.	1.1	17
27	Oxygen-Dependent Lipid Profiles of Three-Dimensional Cultured Human Chondrocytes Revealed by MALDI-MSI. Analytical Chemistry, 2017, 89, 9438-9444.	3.2	16
28	Dickkopf-related protein 1 and gremlin 1 show different response than frizzled-related protein in human synovial fluid following knee injury and in patients with osteoarthritis. Osteoarthritis and Cartilage, 2018, 26, 834-843.	0.6	15
29	The Expressions of Dickkopf-Related Protein 1 and Frizzled-Related Protein Are Negatively Correlated to Local Inflammation and Osteoarthritis Severity. Cartilage, 2019, 12, 194760351984167.	1.4	13
30	ECHO, the executable CHOndrocyte: A computational model to study articular chondrocytes in health and disease. Cellular Signalling, 2020, 68, 109471.	1.7	13
31	Assuring safety without animal testing: The case for the human testis in vitro. Reproductive Toxicology, 2013, 39, 63-68.	1.3	12
32	Nuclear localization signals in theXenopusFGF embryonic early response 1 protein. FEBS Letters, 2001, 502, 41-45.	1.3	11
33	Implementing Computational Modeling in Tissue Engineering: Where Disciplines Meet. Tissue Engineering - Part A, 2022, 28, 542-554.	1.6	11
34	Modelling biological pathway dynamics with Timed Automata. , 2012, , .		10
35	MicroRNA Levels as Prognostic Markers for the Differentiation Potential of Human Mesenchymal Stromal Cell Donors. Stem Cells and Development, 2015, 24, 1946-1955.	1.1	10
36	Changes in Fluorescence Recovery After Photobleaching (FRAP) as an indicator of SOX9 transcription factor activity. Biochimica Et Biophysica Acta - Gene Regulatory Mechanisms, 2019, 1862, 107-117.	0.9	10

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37	Setting Parameters for Biological Models With ANIMO. Electronic Proceedings in Theoretical Computer Science, EPTCS, 0, 145, 35-47.	0.8	9
38	High-Throughput Screening Assay Identifies Small Molecules Capable of Modulating the BMP-2 and TGF-Î²1 Signaling Pathway. SLAS Discovery, 2017, 22, 40-50.	1.4	7
39	Genome-wide screening in human growth plates during puberty in one patient suggests a role for RUNX2 in epiphyseal maturation. Journal of Endocrinology, 2011, 209, 245-254.	1.2	6
40	Different response of human chondrocytes from healthy looking areas and damaged regions to IL1Î² stimulation under different oxygen tension. Journal of Orthopaedic Research, 2019, 37, 84-93.	1.2	6
41	Engineering Cartilage Tissue by Pellet Coculture of Chondrocytes and Mesenchymal Stromal Cells. Methods in Molecular Biology, 2015, 1226, 31-41.	0.4	6
42	Using FRAP to Quantify Changes in Transcription Factor Dynamics After Cell Stimulation: Cell Culture, FRAP, Data Analysis, and Visualization. Methods in Molecular Biology, 2021, 2221, 109-139.	0.4	6
43	Improved intra-array and interarray normalization of peptide microarray phosphorylation for phosphorylome and kinome profiling by rational selection of relevant spots. Scientific Reports, 2016, 6, 26695.	1.6	5
44	Dynamic and static fluorescence anisotropy in biological microscopy (rFLIM and emFRET). , 2004, , .		4
45	Protein Adsorption Enhances Energy Dissipation in Networks of Lysozyme Amyloid Fibrils. Langmuir, 2021, 37, 7349-7355.	1.6	4
46	Developmentally regulated cytoplasmic retention of the transcription factor XMI-ER1 requires sequence in the acidic activation domain. International Journal of Biochemistry and Cell Biology, 2005, 37, 463-477.	1.2	3
47	Distinct Effect of TCF4 on the NFÎºB Pathway in Human Primary Chondrocytes and the C20/A4 Chondrocyte Cell Line. Cartilage, 2014, 5, 181-189.	1.4	3
48	An ECHO of Cartilage: In Silico Prediction of Combinatorial Treatments to Switch Between Transient and Permanent Cartilage Phenotypes With Ex Vivo Validation. Frontiers in Bioengineering and Biotechnology, 2021, 9, 732917.	2.0	3
49	Novel Single Cell Fluorescence Approaches in the Investigation of Signaling at the Cellular Level. , 2005, , 33-70.		2
50	Engineering Cartilage Tissue by Co-culturing of Chondrocytes and Mesenchymal Stromal Cells. Methods in Molecular Biology, 2021, 2221, 53-70.	0.4	2
51	Novel (Bio)chemical and (Photo)physical Probes for Imaging Living Cells. , 2005, , 99-118.		1
52	Computational Modeling of Complex Protein Activity Networks. , 0, , .		1
53	NKX3.2 plays a key role in regulating HIF1Î±-directed angiogenesis in chondrocytes. Biotarget, 0, 2, 11-11.	0.5	1
54	Quantitative Molecular Models for Biological Processes: Modeling of Signal Transduction Networks with ANIMO. Methods in Molecular Biology, 2021, 2221, 141-161.	0.4	1

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55	Nuclear Translocation of a Xenopus laevis protein ER1 is regulated by multiple independent Nuclear Localization Signals. Biochemical Society Transactions, 2000, 28, A354-A354.	1.6	0
56	Improving the Timed Automata Approach to Biological Pathway Dynamics. Lecture Notes in Computer Science, 2017, , 96-111.	1.0	0