

# Giancarlo De Luca

## List of Publications by Year in descending order

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26  
papers

1,880  
citations

304743

22  
h-index

552781

26  
g-index

26  
all docs

26  
docs citations

26  
times ranked

2194  
citing authors

#	ARTICLE	IF	CITATIONS
1	Hyaluronan: Biosynthesis and signaling. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2014, 1840, 2452-2459.	2.4	241
2	Metabolic control of hyaluronan synthases. <i>Matrix Biology</i> , 2014, 35, 8-13.	3.6	151
3	Role of UDP-N-Acetylglucosamine (GlcNAc) and O-GlcNAcylation of Hyaluronan Synthase 2 in the Control of Chondroitin Sulfate and Hyaluronan Synthesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 35544-35555.	3.4	120
4	Natural Antisense Transcript for Hyaluronan Synthase 2 (HAS2-AS1) Induces Transcription of HAS2 via Protein O-GlcNAcylation. <i>Journal of Biological Chemistry</i> , 2014, 289, 28816-28826.	3.4	116
5	Hyaluronan-CD44-ERK1/2 Regulate Human Aortic Smooth Muscle Cell Motility during Aging. <i>Journal of Biological Chemistry</i> , 2008, 283, 4448-4458.	3.4	110
6	Proinflammatory Cytokines Induce Hyaluronan Synthesis and Monocyte Adhesion in Human Endothelial Cells through Hyaluronan Synthase 2 (HAS2) and the Nuclear Factor- $\kappa$ B (NF- $\kappa$ B) Pathway. <i>Journal of Biological Chemistry</i> , 2010, 285, 24639-24645.	3.4	106
7	Molecular Cloning and Characterization of UDP-glucose Dehydrogenase from the Amphibian <i>Xenopus laevis</i> and Its Involvement in Hyaluronan Synthesis. <i>Journal of Biological Chemistry</i> , 2006, 281, 8254-8263.	3.4	103
8	Hyaluronan Synthesis Is Inhibited by Adenosine Monophosphate-activated Protein Kinase through the Regulation of HAS2 Activity in Human Aortic Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2011, 286, 7917-7924.	3.4	103
9	The effects of 4-methylumbelliferone on hyaluronan synthesis, MMP2 activity, proliferation, and motility of human aortic smooth muscle cells. <i>Glycobiology</i> , 2009, 19, 537-546.	2.5	88
10	Hyaluronan and Human Endothelial Cell Behavior. <i>Connective Tissue Research</i> , 2008, 49, 120-123.	2.3	72
11	Collagen VI and Hyaluronan: The Common Role in Breast Cancer. <i>BioMed Research International</i> , 2014, 2014, 1-10.	1.9	72
12	Biology and biotechnology of hyaluronan. <i>Glycoconjugate Journal</i> , 2015, 32, 93-103.	2.7	62
13	Modulation of Hyaluronan Synthase Activity in Cellular Membrane Fractions. <i>Journal of Biological Chemistry</i> , 2009, 284, 30684-30694.	3.4	58
14	Epigenetics in extracellular matrix remodeling and hyaluronan metabolism. <i>FEBS Journal</i> , 2014, 281, 4980-4992.	4.7	51
15	Matrix metalloproteinase 2 and tissue inhibitors of metalloproteinases regulate human aortic smooth muscle cell migration during in vitro aging. <i>FASEB Journal</i> , 2006, 20, 1118-1130.	0.5	50
16	Regulation of Hyaluronan Synthesis in Vascular Diseases and Diabetes. <i>Journal of Diabetes Research</i> , 2015, 2015, 1-9.	2.3	46
17	Oxidized Low Density Lipoprotein (LDL) Affects Hyaluronan Synthesis in Human Aortic Smooth Muscle Cells. <i>Journal of Biological Chemistry</i> , 2013, 288, 29595-29603.	3.4	45
18	Development of Lung Edema: Interstitial Fluid Dynamics and Molecular Structure. <i>Physiology</i> , 2001, 16, 66-71.	3.1	43

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19	Sirtuin 1 reduces hyaluronan synthase 2 expression by inhibiting nuclear translocation of NF- $\kappa$ B and expression of the long-noncoding RNA HAS2 $\hat{e}$ AS1. <i>Journal of Biological Chemistry</i> , 2020, 295, 3485-3496.	3.4	43
20	Hyaluronan content of Wharton's jelly in healthy and Down syndrome fetuses. <i>Matrix Biology</i> , 2005, 24, 166-174.	3.6	42
21	Glycosaminoglycans and Glucose Prevent Apoptosis in 4-Methylumbelliferone-treated Human Aortic Smooth Muscle Cells*. <i>Journal of Biological Chemistry</i> , 2011, 286, 34497-34503.	3.4	42
22	New insights into the pathobiology of Down syndrome $\hat{e}$ hyaluronan synthase $\hat{e}$ 2 overexpression is regulated by collagen VI $\hat{e}$ 2 chain. <i>FEBS Journal</i> , 2013, 280, 2418-2430.	4.7	30
23	MDA-MB-231 breast cancer cell viability, motility and matrix adhesion are regulated by a complex interplay of heparan sulfate, chondroitin $\hat{e}$ dermatan sulfate and hyaluronan biosynthesis. <i>Glycoconjugate Journal</i> , 2017, 34, 411-420.	2.7	24
24	Application of polyacrylamide gel electrophoresis of fluorophore-labeled saccharides for analysis of hyaluronan and chondroitin sulfate in human and animal tissues and cell cultures. <i>Biomedical Chromatography</i> , 2005, 19, 761-765.	1.7	22
25	Regulated Hyaluronan Synthesis by Vascular Cells. <i>International Journal of Cell Biology</i> , 2015, 2015, 1-8.	2.5	22
26	Vascular Pathology and the Role of Hyaluronan. <i>Scientific World Journal</i> , The, 2008, 8, 1116-1118.	2.1	18