Davide Vigetti

List of Publications by Year
in descending order

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100	4,545	94433	106344
papers	citations	37 h-index	65 g-index

101	101	101	5092
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A Nonradioactive Method to Measure Hyaluronan Activity. Methods in Molecular Biology, 2022, 2303, 63-70.	0.9	0
2	The natural antisense transcript HAS2-AS1 regulates breast cancer cells aggressiveness independently from hyaluronan metabolism. Matrix Biology, 2022, 109, 140-161.	3.6	14
3	Hyaluronan: A Neuroimmune Modulator in the Microbiota-Gut Axis. Cells, 2022, 11, 126.	4.1	10
4	Hyaluronan in pathophysiology of vascular diseases: specific roles in smooth muscle cells, endothelial cells, and macrophages. American Journal of Physiology - Cell Physiology, 2022, 323, C505-C519.	4.6	15
5	The hyaluronan-related genes HAS2, HYAL1-4, PH20 and HYALP1 are associated with prognosis, cell viability and spheroid formation capacity in ovarian cancer. Journal of Cancer Research and Clinical Oncology, 2022, 148, 3399-3419.	2.5	4
6	Cell Energy Metabolism and Hyaluronan Synthesis. Journal of Histochemistry and Cytochemistry, 2021, 69, 35-47.	2.5	54
7	Initial Identification of UDP-Glucose Dehydrogenase as a Prognostic Marker in Breast Cancer Patients, Which Facilitates Epirubicin Resistance and Regulates Hyaluronan Synthesis in MDA-MB-231 Cells. Biomolecules, 2021, 11, 246.	4.0	21
8	The Secreted Protein C10orf118 Is a New Regulator of Hyaluronan Synthesis Involved in Tumour-Stroma Cross-Talk. Cancers, 2021, 13, 1105.	3.7	10
9	HA and HS Changes in Endothelial Inflammatory Activation. Biomolecules, 2021, 11, 809.	4.0	8
10	Inflammation, Extracellular Matrix Remodeling, and Proteostasis in Tumor Microenvironment. International Journal of Molecular Sciences, 2021, 22, 8102.	4.1	51
11	The role of the multifaceted long non-coding RNAs: A nuclear-cytosolic interplay to regulate hyaluronan metabolism. Matrix Biology Plus, 2021, 11, 100060.	3.5	14
12	Revisiting the hallmarks of cancer: The role of hyaluronan. Seminars in Cancer Biology, 2020, 62, 9-19.	9.6	118
13	Involvement of hyaluronan in the adaptive changes of the rat small intestine neuromuscular function after ischemia/reperfusion injury. Scientific Reports, 2020, 10, 11521.	3.3	12
14	Sirtuin 1 reduces hyaluronan synthase 2 expression by inhibiting nuclear translocation of NF-Î°B and expression of the long-noncoding RNA HAS2â€“AS1. Journal of Biological Chemistry, 2020, 295, 3485-3496.	3.4	43
15	Heparan Sulfate in the Tumor Microenvironment. Advances in Experimental Medicine and Biology, 2020, 1245, 147-161.	1.6	26
16	Hyaluronan: Structure, Metabolism, and Biological Properties. Biologically-inspired Systems, 2019, , 155-186.	0.2	3
17	Hyaluronan as tunable drug delivery system. Advanced Drug Delivery Reviews, 2019, 146, 83-96.	13.7	71
18	The Complex Interplay Between Extracellular Matrix and Cells in Tissues. Methods in Molecular Biology, 2019, 1952, 1-20.	0.9	82

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19	Dissecting the role of hyaluronan synthases in the tumor microenvironment. FEBS Journal, 2019, 286, 2937-2949.	4.7	70
20	A nutrient sentinel stands guard outside the cell. Journal of Biological Chemistry, 2018, 293, 16951-16952.	3.4	3
21	The plant alkaloid conophylline inhibits matrix formation of fibroblasts. Journal of Biological Chemistry, 2018, 293, 20214-20226.	3.4	6
22	Proteoglycan Chemical Diversity Drives Multifunctional Cell Regulation and Therapeutics. Chemical Reviews, 2018, 118, 9152-9232.	47.7	253
23	MDA-MB-231 breast cancer cell viability, motility and matrix adhesion are regulated by a complex interplay of heparan sulfate, chondroitinâ˜'/dermatan sulfate and hyaluronan biosynthesis. Glycoconjugate Journal, 2017, 34, 411-420.	2.7	24
24	Roles and targeting of the HAS/hyaluronan/CD44 molecular system in cancer. Matrix Biology, 2017, 59, 3-22.	3.6	156
25	Changes in hyaluronan deposition in the rat myenteric plexus after experimentally-induced colitis. Scientific Reports, 2017, 7, 17644.	3.3	37
26	In vitro effects of Apixaban on 5 different cancer cell lines. PLoS ONE, 2017, 12, e0185035.	2.5	13
27	ATP Bioluminometers Analysis on the Surfaces of Removable Orthodontic Aligners after the Use of Different Cleaning Methods. International Journal of Dentistry, 2016, 2016, 1-6.	1.5	13
28	Endometrial cancer cells can express fibrinogen: Immunohistochemistry and RT-PCR analysis. Journal of Obstetrics and Gynaecology, 2016, 36, 353-358.	0.9	7
29	Extracellular Matrix in Atherosclerosis: Hyaluronan and Proteoglycans Insights. Current Medicinal Chemistry, 2016, 23, 2958-2971.	2.4	44
30	Regulated Hyaluronan Synthesis by Vascular Cells. International Journal of Cell Biology, 2015, 2015, 1-8.	2.5	22
31	Regulation of Hyaluronan Synthesis in Vascular Diseases and Diabetes. Journal of Diabetes Research, 2015, 2015, 1-9.	2.3	46
32	Biology and biotechnology of hyaluronan. Glycoconjugate Journal, 2015, 32, 93-103.	2.7	62
33	Analysis of Hyaluronan Synthase Activity. Methods in Molecular Biology, 2015, 1229, 201-208.	0.9	11
34	Hyaluronan Produced by Smooth Muscle Cells Plays a Critical Role in Neointima Formation. Conference Papers in Science, 2014, 2014, 1-5.	0.3	0
35	Epigenetics in extracellular matrix remodeling and hyaluronan metabolism. FEBS Journal, 2014, 281, 4980-4992.	4.7	51
36	Natural Antisense Transcript for Hyaluronan Synthase 2 (HAS2-AS1) Induces Transcription of HAS2 via Protein O-GlcNAcylation. Journal of Biological Chemistry, 2014, 289, 28816-28826.	3.4	116

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37	Collagen VI and Hyaluronan: The Common Role in Breast Cancer. BioMed Research International, 2014, 2014, 1-10.	1.9	72
38	Hyaluronan Synthases Posttranslational Regulation in Cancer. Advances in Cancer Research, 2014, 123, 95-119.	5.0	29
39	Metabolic control of hyaluronan synthases. Matrix Biology, 2014, 35, 8-13.	3.6	151
40	The dynamic metabolism of hyaluronan regulates the cytosolic concentration of UDP-GlcNAc. Matrix Biology, 2014, 35, 14-17.	3.6	87
41	Hyaluronan: Biosynthesis and signaling. Biochimica Et Biophysica Acta - General Subjects, 2014, 1840, 2452-2459.	2.4	241
42	The long nonâ€coding RNA HAS2â€AS1 enhances the transcription of hyaluronan synthase 2 (1005.1). FASEB Journal, 2014, 28, 1005.1.	0.5	2
43	Oxidized Low Density Lipoprotein (LDL) Affects Hyaluronan Synthesis in Human Aortic Smooth Muscle Cells. Journal of Biological Chemistry, 2013, 288, 29595-29603.	3.4	45
44	Role of neuronal and inducible nitric oxide synthases in the guinea pig ileum myenteric plexus during in vitro ischemia and reperfusion. Neurogastroenterology and Motility, 2013, 25, e114-26.	3.0	23
45	Gastrointestinal cancers reactive for the PAb416 antibody against JCV/SV40 T-Ag lack JCV DNA sequences while showing a distinctive pathologic profile. Journal of Clinical Pathology, 2013, 66, 44-49.	2.0	4
46	New insights into the pathobiology of <scp>D</scp>own syndrome â€“ hyaluronan synthaseâ€2 overexpression is regulated by collagen <scp>VI </scp>Î±2 chain. FEBS Journal, 2013, 280, 2418-2430.	4.7	30
47	Cellular Microenvironment in Human Pathologies. BioMed Research International, 2013, 2013, 1-2.	1.9	9
48	HYALURONAN SYNTHESIS IS REGULATED BY INTRACELLULAR Oâ€GLCNACYLATION OF HAS 2. FASEB Journal, 2013, 27, 829.6.	0.5	0
49	Role of UDP-N-Acetylglucosamine (GlcNAc) and O-GlcNAcylation of Hyaluronan Synthase 2 in the Control of Chondroitin Sulfate and Hyaluronan Synthesis. Journal of Biological Chemistry, 2012, 287, 35544-35555.	3.4	120
50	Paper 261: Gene Expression and Protein Analysis in Ruptured Human Achilles Tendons. Arthroscopy - Journal of Arthroscopic and Related Surgery, 2012, 28, e490-e491.	2.7	1
51	2.2 Metabolic control of hyaluronan synthesis. , 2012, , 26-38.		0
52	Oâ€GlcNAcylation and hyaluronan synthesis. FASEB Journal, 2012, 26, 795.3.	0.5	1
53	Transcriptional and postâ€translational regulation of hyaluronan synthesis. FEBS Journal, 2011, 278, 1419-1428.	4.7	186
54	Microenvironmental control of malignancy exerted by RNASET2, a widely conserved extracellular RNase. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 1104-1109.	7.1	62

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55	Glycosaminoglycans and Glucose Prevent Apoptosis in 4-Methylumbelliferone-treated Human Aortic Smooth Muscle Cells*. Journal of Biological Chemistry, 2011, 286, 34497-34503.	3.4	42
56	Hyaluronan Synthesis Is Inhibited by Adenosine Monophosphate-activated Protein Kinase through the Regulation of HAS2 Activity in Human Aortic Smooth Muscle Cells. Journal of Biological Chemistry, 2011, 286, 7917-7924.	3.4	103
57	Hyaluronan synthesis is controlled through protein Oâ€GlcNAcylation in vascular smooth muscle cells. FASEB Journal, 2011, 25, lb124.	0.5	0
58	Ghrelin-Producing Well-Differentiated Neuroendocrine Tumor (Carcinoid) of Tailgut Cyst. Morphological, Immunohistochemical, Ultrastructural, and RT-PCR Study of a Case and Review of the Literature. Endocrine Pathology, 2010, 21, 190-198.	9.0	30
59	Molecular interactions in extracellular matrix of tendon. Frontiers in Bioscience - Elite, 2010, E2, 1-12.	1.8	7
60	Localization of Carboxyl Ester Lipase in Human Pituitary Gland and Pituitary Adenomas. Journal of Histochemistry and Cytochemistry, 2010, 58, 881-889.	2.5	10
61	Proinflammatory Cytokines Induce Hyaluronan Synthesis and Monocyte Adhesion in Human Endothelial Cells through Hyaluronan Synthase 2 (HAS2) and the Nuclear Factor-ÎºB (NF-ÎºB) Pathway. Journal of Biological Chemistry, 2010, 285, 24639-24645.	3.4	106
62	The effects of 4-methylumbelliferone on hyaluronan synthesis, MMP2 activity, proliferation, and motility of human aortic smooth muscle cells. Glycobiology, 2009, 19, 537-546.	2.5	88
63	Modulation of Hyaluronan Synthase Activity in Cellular Membrane Fractions. Journal of Biological Chemistry, 2009, 284, 30684-30694.	3.4	58
64	A potential reservoir of immature dopaminergic replacement neurons in the adult mammalian olfactory bulb. Pflugers Archiv European Journal of Physiology, 2009, 457, 899-915.	2.8	39
65	The monoclonal anti-BCL10 antibody (clone 331.1) is a sensitive and specific marker of pancreatic acinar cell carcinoma and pancreatic metaplasia. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 2009, 454, 133-142.	2.8	84
66	Collagens, Proteoglycans, MMP-2, MMP-9 and TIMPs in Human Achilles Tendon Rupture. Clinical Orthopaedics and Related Research, 2008, 466, 1577-1582.	1.5	144
67	Characterization of C-Kit (CD117) Expression in Human Normal Pituitary Cells and Pituitary Adenomas. Endocrine Pathology, 2008, 19, 104-111.	9.0	11
68	Influence of collagenâ€fibrilâ€based coatings containing decorin and biglycan on osteoblast behavior. Journal of Biomedical Materials Research - Part A, 2008, 84A, 805-816.	4.0	31
69	New electrophoretic and chromatographic techniques for analysis of heparin and heparan sulfate. Electrophoresis, 2008, 29, 3168-3174.	2.4	15
70	Molecular Control of the Hyaluronan Biosynthesis. Connective Tissue Research, 2008, 49, 111-114.	2.3	25
71	Hyaluronan and Human Endothelial Cell Behavior. Connective Tissue Research, 2008, 49, 120-123.	2.3	72
72	Chondroitin Sulfates Act as Extracellular Gating Modifiers on Voltage-Dependent Ion Channels. Cellular Physiology and Biochemistry, 2008, 22, 137-146.	1.6	34

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73	Aortic Smooth Muscle Cells Migration and the Role of Metalloproteinases and Hyaluronan. Connective Tissue Research, 2008, 49, 189-192.	2.3	7
74	Hyaluronan-CD44-ERK1/2 Regulate Human Aortic Smooth Muscle Cell Motility during Aging. Journal of Biological Chemistry, 2008, 283, 4448-4458.	3.4	110
75	Analysis of Glycosaminoglycans by Electrophoretic Approach. Current Pharmaceutical Analysis, 2008, 4, 78-89.	0.6	9
76	Vascular Pathology and the Role of Hyaluronan. Scientific World Journal, The, 2008, 8, 1116-1118.	2.1	18
77	Assessing Heteroplasmic Load in Leber's Hereditary Optic Neuropathy Mutation 3460Gâ†'A/MT-ND1 with A Real-Time PCR Quantitative Approach. Journal of Molecular Diagnostics, 2007, 9, 538-545.	2.8	11
78	Matrix metalloproteinase 2 and tissue inhibitors of metalloproteinases regulate human aortic smooth muscle cell migration during in vitro aging. FASEB Journal, 2006, 20, 1118-1130.	0.5	50
79	Effects of a Complex Mixture of Therapeutic Drugs at Environmental Levels on Human Embryonic Cells. Environmental Science & Technology, 2006, 40, 2442-2447.	10.0	417
80	Decorin from different bovine tissues: Study of glycosaminoglycan chain by PAGEFS. Journal of Pharmaceutical and Biomedical Analysis, 2006, 41, 36-42.	2.8	19
81	Histidine Decarboxylase, DOPA Decarboxylase, and Vesicular Monoamine Transporter 2 Expression in Neuroendocrine Tumors: Immunohistochemical Study and Gene Expression Analysis. Journal of Histochemistry and Cytochemistry, 2006, 54, 863-875.	2.5	42
82	Molecular Cloning and Characterization of UDP-glucose Dehydrogenase from the Amphibian Xenopus laevis and Its Involvement in Hyaluronan Synthesis. Journal of Biological Chemistry, 2006, 281, 8254-8263.	3.4	103
83	Application of polyacrylamide gel electrophoresis of fluorophore-labeled saccharides for analysis of hyaluronan and chondroitin sulfate in human and animal tissues and cell cultures. Biomedical Chromatography, 2005, 19, 761-765.	1.7	22
84	Hyaluronan content of Wharton's jelly in healthy and Down syndrome fetuses. Matrix Biology, 2005, 24, 166-174.	3.6	42
85	Regulated gene expression of hyaluronan synthases during Xenopus laevis development. Gene Expression Patterns, 2004, 4, 303-308.	0.8	32
86	Effects of population density on seabass (Dicentrarchus labrax, L.) gene expression. Aquaculture, 2004, 230, 229-239.	3.5	34
87	Selective Pressure on the Allantoicase Gene During Vertebrate Evolution. Journal of Molecular Evolution, 2003, 57, 650-658.	1.8	7
88	Molecular cloning, genomic organization and developmental expression of the Xenopus laevis hyaluronan synthase 3. Matrix Biology, 2003, 22, 511-517.	3.6	21
89	Platinum Toxicity and Gene Expression in Xenopus Embryos: Analysis by FETAX and Differential Display. ATLA Alternatives To Laboratory Animals, 2003, 31, 401-408.	1.0	7
90	Property comparison of recombinant amphibian and mammalian allantoicases. FEBS Letters, 2002, 512, 323-328.	2.8	11

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91	Identification and molecular cloning of Xenopus laevis SP22, a protein associated with fertilization in mammals. Comparative Biochemistry and Physiology - B Biochemistry and Molecular Biology, 2002, 132, 761-767.	1.6	3
92	Genomic organization and chromosome localization of the murine and human allantoicase gene. Gene, 2002, 289, 13-17.	2.2	11
93	Arsenic Toxicity and HSP70 Expression in Xenopus laevis Embryos. ATLA Alternatives To Laboratory Animals, 2002, 30, 597-603.	1.0	19
94	Gene expression in Xenopus embryos after methylmercury exposure: A search for molecular biomarkers. Environmental Toxicology and Chemistry, 2002, 21, 2731-2736.	4.3	13
95	GENE EXPRESSION IN XENOPUS EMBRYOS AFTER METHYLMERCURY EXPOSURE: A SEARCH FOR MOLECULAR BIOMARKERS. Environmental Toxicology and Chemistry, 2002, 21, 2731.	4.3	0
96	The purine degradation pathway. Environment International, 2001, 27, 463-470.	10.0	19
97	Molecular cloning of mouse allantoicase cDNA. Biochimica Et Biophysica Acta Gene Regulatory Mechanisms, 2001, 1519, 117-121.	2.4	9
98	Xenopus Allantoicase: Molecular Cloning, Enzymatic Activity and Developmental Expression. Archives of Biochemistry and Biophysics, 2000, 379, 90-96.	3.0	12
99	Human allantoicase gene: cDNA cloning, genomic organization and chromosome localization. Gene, 2000, 256, 253-260.	2.2	12
100	Structural and biochemical analysis of the parasite Gordius villoti (Nematomorpha, Gordiacea) cuticle.. Tissue and Cell, 2000, 32, 366-376.	2.2	33