

Cornelis J F Van Noorden

List of Publications by Year in descending order

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115
papers

4,454
citations

87888

38
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123424

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119
all docs

119
docs citations

119
times ranked

6968
citing authors

#	ARTICLE	IF	CITATIONS
1	Cell Biology Meets Cell Metabolism: Energy Production Is Similar in Stem Cells and in Cancer Stem Cells in Brain and Bone Marrow. <i>Journal of Histochemistry and Cytochemistry</i> , 2022, 70, 29-51.	2.5	7
2	Angiogenesis in gynecological cancers and the options for anti-angiogenesis therapy. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1875, 188446.	7.4	41
3	Energy Metabolism in IDH1 Wild-Type and IDH1-Mutated Glioblastoma Stem Cells: A Novel Target for Therapy?. <i>Cells</i> , 2021, 10, 705.	4.1	15
4	The Role of Heparan Sulfate and Neuropilin 2 in VEGFA Signaling in Human Endothelial Tip Cells and Non-Tip Cells during Angiogenesis In Vitro. <i>Cells</i> , 2021, 10, 926.	4.1	13
5	A Phase Ib Clinical Trial of Metformin and Chloroquine in Patients with IDH1-Mutated Solid Tumors. <i>Cancers</i> , 2021, 13, 2474.	3.7	13
6	Similarities Between Stem Cell Niches in Glioblastoma and Bone Marrow: Rays of Hope for Novel Treatment Strategies. <i>Journal of Histochemistry and Cytochemistry</i> , 2020, 68, 33-57.	2.5	34
7	2D and 3D <i>in vitro</i> assays to quantify the invasive behavior of glioblastoma stem cells in response to SDF-1 α . <i>BioTechniques</i> , 2020, 69, 339-346.	1.8	13
8	Functional Imaging of the Ocular Fundus Using an 8-Band Retinal Multispectral Imaging System. <i>Instruments</i> , 2020, 4, 12.	1.8	4
9	IGF-binding proteins 3 and 4 are regulators of sprouting angiogenesis. <i>Molecular Biology Reports</i> , 2020, 47, 2561-2572.	2.3	16
10	CXCR4 Antagonists as Stem Cell Mobilizers and Therapy Sensitizers for Acute Myeloid Leukemia and Glioblastoma?. <i>Biology</i> , 2020, 9, 31.	2.8	16
11	Development of placental abnormalities in location and anatomy. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020, 99, 983-993.	2.8	27
12	Cancer-Related Fatigue: Causes and Current Treatment Options. <i>Current Treatment Options in Oncology</i> , 2020, 21, 17.	3.0	174
13	Poor perfusion of the microvasculature in peritoneal metastases of ovarian cancer. <i>Clinical and Experimental Metastasis</i> , 2020, 37, 293-304.	3.3	19
14	Similarities Between Stem Cell Niches in Glioblastoma and Bone Marrow: Rays of Hope for Novel Treatment Strategies. <i>FASEB Journal</i> , 2020, 34, 1-1.	0.5	0
15	Isocitrate dehydrogenase 1 α -mutated human gliomas depend on lactate and glutamate to alleviate metabolic stress. <i>FASEB Journal</i> , 2019, 33, 557-571.	0.5	33
16	The role of glycolysis and mitochondrial respiration in the formation and functioning of endothelial tip cells during angiogenesis. <i>Scientific Reports</i> , 2019, 9, 12608.	3.3	113
17	Expression patterns of endothelial permeability pathways in the development of the blood-retinal barrier in mice. <i>FASEB Journal</i> , 2019, 33, 5320-5333.	0.5	16
18	Glucocorticoids exert differential effects on the endothelium in an <i>in vitro</i> model of the blood-retinal barrier. <i>Acta Ophthalmologica</i> , 2019, 97, 214-224.	1.1	8

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19	Comparison of different methodologies and cryostat versus paraffin sections for chromogenic immunohistochemistry. <i>Acta Histochemica</i> , 2019, 121, 125-134.	1.8	36
20	Embryology, anatomy, physiology and pathophysiology of the peritoneum and the peritoneal vasculature. <i>Seminars in Cell and Developmental Biology</i> , 2019, 92, 27-36.	5.0	41
21	Three-dimensional histochemistry and imaging of human gingiva. <i>Scientific Reports</i> , 2018, 8, 1647.	3.3	22
22	Wild-type and mutated IDH1/2 enzymes and therapy responses. <i>Oncogene</i> , 2018, 37, 1949-1960.	5.9	169
23	Glioma Stem Cell Niches in Human Glioblastoma Are Periarteriolar. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 349-358.	2.5	47
24	Periarteriolar Glioblastoma Stem Cell Niches Express Bone Marrow Hematopoietic Stem Cell Niche Proteins. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 155-173.	2.5	32
25	The hypoxic peri-arteriolar glioma stem cell niche, an integrated concept of five types of niches in human glioblastoma. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2018, 1869, 346-354.	7.4	57
26	Effects of the Green Tea Polyphenol Epigallocatechin-3-Gallate on Glioma: A Critical Evaluation of the Literature. <i>Nutrition and Cancer</i> , 2018, 70, 317-333.	2.0	30
27	Development of Peritoneal Carcinomatosis in Epithelial Ovarian Cancer: A Review. <i>Journal of Histochemistry and Cytochemistry</i> , 2018, 66, 67-83.	2.5	92
28	Efficacy of photodynamic therapy as adjunct treatment of chronic periodontitis: a systematic review and meta-analysis. <i>Lasers in Medical Science</i> , 2018, 33, 407-423.	2.1	52
29	The role of plasmalemma vesicle-associated protein in pathological breakdown of blood-brain and blood-retinal barriers: potential novel therapeutic target for cerebral edema and diabetic macular edema. <i>Fluids and Barriers of the CNS</i> , 2018, 15, 24.	5.0	74
30	IGF2 and IGF1R identified as novel tip cell genes in primary microvascular endothelial cell monolayers. <i>Angiogenesis</i> , 2018, 21, 823-836.	7.2	30
31	IDH1-mutant cancer cells are sensitive to cisplatin and an IDH1-mutant inhibitor counteracts this sensitivity. <i>FASEB Journal</i> , 2018, 32, 6344-6352.	0.5	28
32	Localization patterns of cathepsins K and X and their predictive value in glioblastoma. <i>Radiology and Oncology</i> , 2018, 52, 433-442.	1.7	16
33	MECHANISMS OF THE IDH1/2 MUTATIONS AND ITS ASSOCIATION WITH CONTRADICTIONARY SURVIVAL OF GLIOBLASTOMA PATIENTS VERSUS AML PATIENTS. <i>FASEB Journal</i> , 2018, 32, 40.10.	0.5	1
34	IDH1-mutated gliomas rely on anaplerosis of glutamate and lactate whereas IDH1 wild-type gliomas rely on glycolysis and acetate anaplerosis. <i>FASEB Journal</i> , 2018, 32, 677.8.	0.5	0
35	The angiogenic switch leads to a metabolic shift in human glioblastoma. <i>Neuro-Oncology</i> , 2017, 19, now175.	1.2	50
36	Single Cell Cytochemistry Illustrated by the Demonstration of Glucose-6-Phosphate Dehydrogenase Deficiency in Erythrocytes. <i>Methods in Molecular Biology</i> , 2017, 1560, 3-13.	0.9	6

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37	Novel therapeutic strategies to target leukemic cells that hijack compartmentalized continuous hematopoietic stem cell niches. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2017, 1868, 183-198.	7.4	32
38	The hypoxanthine-xanthine oxidase axis is not involved in the initial phase of clinical transplantation-related ischemia-reperfusion injury. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F457-F464.	2.7	7
39	Cathepsin K cleavage of SDF-1 α inhibits its chemotactic activity towards glioblastoma stem-like cells. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2017, 1864, 594-603.	4.1	39
40	Comparison of Spectrophotometry, Chromate Inhibition, and Cytofluorometry Versus Gene Sequencing for Detection of Heterozygously Glucose-6-Phosphate Dehydrogenase-Deficient Females. <i>Journal of Histochemistry and Cytochemistry</i> , 2017, 65, 627-636.	2.5	12
41	Is leukostasis a crucial step or epiphenomenon in the pathogenesis of diabetic retinopathy?. <i>Journal of Leukocyte Biology</i> , 2017, 102, 993-1001.	3.3	27
42	Identification of proteins associated with clinical and pathological features of proliferative diabetic retinopathy in vitreous and fibrovascular membranes. <i>PLoS ONE</i> , 2017, 12, e0187304.	2.5	46
43	TNF α -Induced Disruption of the Blood-Retinal Barrier In Vitro Is Regulated by Intracellular Ca^{2+} -Cyclic Adenosine Monophosphate Levels. , 2017, 58, 3496.		33
44	In silico gene expression analysis reveals glycolysis and acetate anaplerosis in IDH1 wild-type glioma and lactate and glutamate anaplerosis in IDH1-mutated glioma. <i>Oncotarget</i> , 2017, 8, 49165-49177.	1.8	61
45	Efficacy of an aluminium triformate mouthrinse during the maintenance phase in periodontal patients: a pilot double blind randomized placebo-controlled clinical trial. <i>BMC Oral Health</i> , 2016, 16, 57.	2.3	3
46	Glucose-6-phosphate dehydrogenase activity decreases during storage of leukoreduced red blood cells. <i>Transfusion</i> , 2016, 56, 427-432.	1.6	33
47	Spatially-controlled illumination microscopy. <i>Quarterly Reviews of Biophysics</i> , 2016, 49, .	5.7	6
48	Root coverage with connective tissue graft associated with coronally advanced flap or tunnel technique: a randomized, double-blind, mono-centre clinical trial. <i>Journal of Clinical Periodontology</i> , 2016, 43, 1142-1150.	4.9	49
49	Identification of a novel inactivating mutation in Isocitrate Dehydrogenase 1 (IDH1-R314C) in a high grade astrocytoma. <i>Scientific Reports</i> , 2016, 6, 30486.	3.3	11
50	CD34 Promotes Pathological Epi-Retinal Neovascularization in a Mouse Model of Oxygen-Induced Retinopathy. <i>PLoS ONE</i> , 2016, 11, e0157902.	2.5	23
51	Differential expression of glucose-metabolizing enzymes in multiple sclerosis lesions. <i>Acta Neuropathologica Communications</i> , 2015, 3, 79.	5.2	40
52	CD133 ⁺ and Nestin ⁺ Glioma Stem-Like Cells Reside Around CD31 ⁺ Arterioles in Niches that Express SDF-1 α , CXCR4, Osteopontin and Cathepsin K. <i>Journal of Histochemistry and Cytochemistry</i> , 2015, 63, 481-493.	2.5	73
53	Complexity of cancer protease biology: Cathepsin K expression and function in cancer progression. <i>Seminars in Cancer Biology</i> , 2015, 35, 71-84.	9.6	77
54	Inorganic nanoparticles for the theranostics of cancer. <i>European Journal of Nanomedicine</i> , 2015, 7, .	0.6	18

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55	Expression Analysis of All Protease Genes Reveals Cathepsin K to Be Overexpressed in Glioblastoma. PLoS ONE, 2014, 9, e111819.	2.5	40
56	Determination of Glutamate Dehydrogenase Activity and Its Kinetics in Mouse Tissues using Metabolic Mapping (Quantitative Enzyme Histochemistry). Journal of Histochemistry and Cytochemistry, 2014, 62, 802-812.	2.5	43
57	Glutamate as chemotactic fuel for diffuse glioma cells: Are they glutamate suckers?. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 66-74.	7.4	39
58	The combination of IDH1 mutations and MGMT methylation status predicts survival in glioblastoma better than either IDH1 or MGMT alone. Neuro-Oncology, 2014, 16, 1263-1273.	1.2	159
59	The driver and passenger effects of isocitrate dehydrogenase 1 and 2 mutations in oncogenesis and survival prolongation. Biochimica Et Biophysica Acta: Reviews on Cancer, 2014, 1846, 326-341.	7.4	118
60	Image cytometry for 2D and 3D quantification in microscopic images (1050.5). FASEB Journal, 2014, 28, 1050.5.	0.5	0
61	Increased mitochondrial activity in a novel IDH1-R132H mutant human oligodendroglioma xenograft model: in situ detection of 2-HG and \pm -KG. Acta Neuropathologica Communications, 2013, 1, 18.	5.2	54
62	Image Cytometry: Protocols for 2D and 3D Quantification in Microscopic Images. Progress in Histochemistry and Cytochemistry, 2013, 47, 211-333.	5.1	60
63	Endothelial Tip Cells in Ocular Angiogenesis. Journal of Histochemistry and Cytochemistry, 2013, 61, 101-115.	2.5	82
64	Image Cytometry Protocols. Journal of Histochemistry and Cytochemistry, 2013, 61, 759-760.	2.5	3
65	Oxidative Damage in Clinical Ischemia/Reperfusion Injury: A Reappraisal. Antioxidants and Redox Signaling, 2013, 19, 535-545.	5.4	75
66	CD34 marks angiogenic tip cells in human vascular endothelial cell cultures. Angiogenesis, 2012, 15, 151-163.	7.2	178
67	Imaging Enzymes at Work: Metabolic Mapping by Enzyme Histochemistry. Journal of Histochemistry and Cytochemistry, 2010, 58, 481-497.	2.5	42
68	Experimental and clinical effects of anticoagulants on cancer progression. Thrombosis Research, 2010, 125, S77-S79.	1.7	3
69	Organotypic glioma spheroids for screening of experimental therapies: How many spheroids and sections are required?. Cytometry Part A: the Journal of the International Society for Analytical Cytology, 2009, 75A, 528-534.	1.5	14
70	Altered expression of genes related to blood-retina barrier disruption in streptozotocin-induced diabetes. Experimental Eye Research, 2009, 89, 4-15.	2.6	93
71	Validity of bioluminescence measurements for noninvasive in vivo imaging of tumor load in small animals. BioTechniques, 2007, 43, S7-S13, S30.	1.8	121
72	Antiprotease therapy in cancer: hot or not?. Expert Opinion on Biological Therapy, 2006, 6, 257-279.	3.1	80

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73	Can you trust your cryostat? Reproducibility of cryostat section thickness. <i>Microscopy Research and Technique</i> , 2006, 69, 835-838.	2.2	5
74	In Vivo Angiogenic Phenotype of Endothelial Cells and Pericytes Induced by Vascular Endothelial Growth Factor-A. <i>Journal of Histochemistry and Cytochemistry</i> , 2004, 52, 39-52.	2.5	80
75	The role of gelatinases in colorectal cancer progression and metastasis. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2004, 1705, 69-89.	7.4	290
76	The need for metabolic mapping in living cells and tissues. <i>Acta Histochemica</i> , 2004, 106, 89-96.	1.8	10
77	Post-translational Regulation of Glucose-6-phosphate Dehydrogenase Activity in (Pre)neoplastic Lesions in Rat Liver. <i>Journal of Histochemistry and Cytochemistry</i> , 2003, 51, 105-112.	2.5	26
78	A Quantitative Method to Determine the Orientation of Collagen Fibers in the Dermis. <i>Journal of Histochemistry and Cytochemistry</i> , 2002, 50, 1469-1474.	2.5	48
79	Endogenous interferon \hat{I}^3 protects against cholestatic liver injury in mice. <i>Hepatology</i> , 2002, 36, 1466-1477.	7.3	22
80	Metabolic control analysis aimed at the ribose synthesis pathways of tumor cells: a new strategy for antitumor drug development. <i>Molecular Biology Reports</i> , 2002, 29, 7-12.	2.3	33
81	Enzyme Cytochemical Techniques for Metabolic Mapping in Living Cells, with Special Reference to Proteolysis. <i>Journal of Histochemistry and Cytochemistry</i> , 2001, 49, 1473-1486.	2.5	73
82	Promotion of colon cancer metastases in rat liver by fish oil diet is not due to reduced stroma formation. <i>Clinical and Experimental Metastasis</i> , 2000, 18, 371-377.	3.3	10
83	Comparative Localization of Cathepsin B Protein and Activity in Colorectal Cancer. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 1421-1430.	2.5	78
84	Signal Amplification in Immunohistochemistry at the Light Microscopic Level Using Biotinylated Tyramide and Nanogold-Silver Staining. <i>Journal of Histochemistry and Cytochemistry</i> , 2000, 48, 933-941.	2.5	24
85	The involvement of altered vesicle transport in redistribution of Ca ²⁺ , Mg ²⁺ -ATPase in cholestatic rat liver. <i>The Histochemical Journal</i> , 1998, 30, 909-916.	0.6	7
86	Rearrangement of hepatocellular F-actin precedes the formation of rosette-like structures in parenchyma of cholestatic rat liver. <i>Hepatology</i> , 1998, 27, 765-771.	7.3	12
87	Heterogeneous suppression of experimentally induced colon cancer metastasis in rat liver lobes by inhibition of extracellular cathepsin B. <i>Clinical and Experimental Metastasis</i> , 1997, 16, 159-167.	3.3	58
88	Alterations of hepatocellular intermediate filaments during extrahepatic cholestasis in rat liver. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 1997, 430, 253-260.	2.8	8
89	Development of oxygen insensitivity of the quantitative histochemical assay of G6PDH activity during colorectal carcinogenesis. , 1997, 182, 398-403.		11
90	The contribution of quantitative confocal laser scanning microscopy in cartilage research: Chondrocyte insulin-like growth factor-1 receptors in health and pathology. , 1997, 37, 285-298.		18

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91	Development of oxygen insensitivity of the quantitative histochemical assay of G6PDH activity during colorectal carcinogenesis. <i>Journal of Pathology</i> , 1997, 182, 398-403.	4.5	1
92	Articular cartilage destruction in experimental inflammatory arthritis: insulin-like growth factor-1 regulation of proteoglycan metabolism in chondrocytes. <i>The Histochemical Journal</i> , 1996, 28, 835-857.	0.6	40
93	Disturbed structural interactions between microfilaments and tight junctions in rat hepatocytes during extrahepatic cholestasis induced by common bile duct ligation. <i>Histochemistry and Cell Biology</i> , 1996, 106, 573-580.	1.7	13
94	The dynamics of local kinetic parameters of glutamate dehydrogenase in rat liver. <i>Histochemistry and Cell Biology</i> , 1996, 106, 437-443.	1.7	9
95	ENDOTOXIN- AND CYTOKINE-MEDIATED EFFECTS ON LIVER CELL PROLIFERATION AND LIPID METABOLISM AFTER PARTIAL HEPATECTOMY: A STUDY WITH RECOMBINANT N-TERMINAL BACTERICIDAL/PERMEABILITY-INCREASING PROTEIN AND INTERLEUKIN-1 RECEPTOR ANTAGONIST. , 1996, 179, 100-105.		8
96	Kupffer cells and pit cells are not effective in the defense against experimentally induced colon carcinoma metastasis in rat liver. <i>Clinical and Experimental Metastasis</i> , 1996, 14, 367-380.	3.3	31
97	The dynamics of local kinetic parameters of glutamate dehydrogenase in rat liver. <i>Histochemistry and Cell Biology</i> , 1996, 106, 437-443.	1.7	5
98	Disturbed structural interactions between microfilaments and tight junctions in rat hepatocytes during extrahepatic cholestasis induced by common bile duct ligation. <i>Histochemistry and Cell Biology</i> , 1996, 106, 573.	1.7	1
99	Endotoxin and interleukin-1 related hepatic inflammatory response promotes liver failure after partial hepatectomy. <i>Hepatology</i> , 1995, 22, 1499-1506.	7.3	47
100	Conversion of xanthine dehydrogenase into xanthine oxidase in rat liver and plasma at the onset of reperfusion after ischemia. <i>Hepatology</i> , 1994, 19, 1488-1495.	7.3	82
101	Adaptive sex-dependent changes in the zonation of carbohydrate and lipid metabolism in rat liver lobules after partial hepatectomy. <i>Hepatology</i> , 1994, 20, 714-724.	7.3	16
102	Adaptive sex-dependent changes in the zonation of carbohydrate and lipid metabolism in rat liver lobules after partial hepatectomy. <i>Hepatology</i> , 1994, 20, 714-724.	7.3	7
103	Conversion of xanthine dehydrogenase into xanthine oxidase in rat liver and plasma at the onset of reperfusion after ischemia. <i>Hepatology</i> , 1994, 19, 1488-1495.	7.3	7
104	The effects of storage on the retention of enzyme activity in cryostat sections. A quantitative histochemical study on rat liver. <i>The Histochemical Journal</i> , 1993, 25, 119-122.	0.6	9
105	Use of Frozen Biologic Material for Combined Light and Electron Microscopy. <i>Ultrastructural Pathology</i> , 1993, 17, 537-546.	0.9	19
106	Molecular extinction coefficients of lead sulfide and polymerized diaminobenzidine as final reaction products of histochemical phosphatase reactions. <i>Cytometry</i> , 1992, 13, 644-648.	1.8	7
107	Homogeneous distribution of phosphofructokinase in the rat liver acinus: A quantitative histochemical study. <i>Hepatology</i> , 1991, 14, 634-639.	7.3	6
108	Quantitative changes in acid phosphatase, alkaline phosphatase and 5'-nucleotidase activity in rat liver after experimentally induced cholestasis. <i>Liver</i> , 1990, 10, 158-166.	0.1	32

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109	Cytophotometric analysis of reaction rates of succinate and lactate dehydrogenase activity in rat liver, heart muscle and tracheal epithelium. <i>The Histochemical Journal</i> , 1989, 21, 575-583.	0.6	29
110	In situ kinetic parameters of glucose-6-phosphate dehydrogenase and phosphogluconate dehydrogenase in different areas of the rat liver acinus. <i>The Histochemical Journal</i> , 1989, 21, 585-594.	0.6	32
111	Enzyme reaction rate studies in electromotor neurons of the weakly electric fish <i>Apteronotus leptorhynchus</i> . <i>The Histochemical Journal</i> , 1989, 21, 609-617.	0.6	7
112	Cytophotometric analysis of alkaline phosphatase and 5-aminonucleotidase activity in regenerating rat liver after partial hepatectomy. <i>Cell Biochemistry and Function</i> , 1988, 6, 53-60.	2.9	20
113	Quantitative histochemistry of creatine kinase in rat myocardium and skeletal muscle. <i>The Histochemical Journal</i> , 1988, 20, 624-628.	0.6	6
114	Reduction in phosphoenolpyruvate carboxykinase in rat liver parenchymal cells following experimentally induced cholestasis. <i>Vigiliae Christianae</i> , 1987, 54, 252-255.	0.1	12
115	A sensitive cytochemical staining method for glucose-6-phosphate dehydrogenase activity in individual erythrocytes II. FURTHER IMPROVEMENTS OF THE STAINING PROCEDURE AND SOME OBSERVATIONS WITH GLUCOSE-6-PHOSPHATE DEHYDROGENASE DEFICIENCY. <i>British Journal of Haematology</i> , 1985, 60, 57-63.	2.5	39