Cornelis J F Van Noorden

List of Publications by Year
in descending order

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115 papers	4,454 citations	87888 38 h-index	123424 61 g-index
119 all docs	119 docs citations	119 times ranked	6968 citing authors

#	Article	IF	Citations
1	The role of gelatinases in colorectal cancer progression and metastasis. Biochimica Et Biophysica Acta: Reviews on Cancer, 2004, 1705, 69-89.	7.4	290
2	CD34 marks angiogenic tip cells in human vascular endothelial cell cultures. Angiogenesis, 2012, 15, 151-163.	7.2	178
3	Cancer-Related Fatigue: Causes and Current Treatment Options. Current Treatment Options in Oncology, 2020, 21, 17.	3.0	174
4	Wild-type and mutated IDH1/2 enzymes and therapy responses. Oncogene, 2018, 37, 1949-1960.	5.9	169
5	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
6	Validity of bioluminescence measurements for noninvasive in vivo imaging of tumor load in small animals. BioTechniques, 2007, 43, S7-S13, S30.	1.8	121
7	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
8	The role of glycolysis and mitochondrial respiration in the formation and functioning of endothelial tip cells during angiogenesis. Scientific Reports, 2019, 9, 12608.	3.3	113
9	Altered expression of genes related to bloodâ€“retina barrier disruption in streptozotocin-induced diabetes. Experimental Eye Research, 2009, 89, 4-15.	2.6	93
10	Development of Peritoneal Carcinomatosis in Epithelial Ovarian Cancer: A Review. Journal of Histochemistry and Cytochemistry, 2018, 66, 67-83.	2.5	92
11	Conversion of xanthine dehydrogenase into xanthine oxidase in rat liver and plasma at the onset of reperfusion after ischemia. Hepatology, 1994, 19, 1488-1495.	7.3	82
12	Endothelial Tip Cells in Ocular Angiogenesis. Journal of Histochemistry and Cytochemistry, 2013, 61, 101-115.	2.5	82
13	In Vivo Angiogenic Phenotype of Endothelial Cells and Pericytes Induced by Vascular Endothelial Growth Factor-A. Journal of Histochemistry and Cytochemistry, 2004, 52, 39-52.	2.5	80
14	Antiprotease therapy in cancer: hot or not?. Expert Opinion on Biological Therapy, 2006, 6, 257-279.	3.1	80
15	Comparative Localization of Cathepsin B Protein and Activity in Colorectal Cancer. Journal of Histochemistry and Cytochemistry, 2000, 48, 1421-1430.	2.5	78
16	Complexity of cancer protease biology: Cathepsin K expression and function in cancer progression. Seminars in Cancer Biology, 2015, 35, 71-84.	9.6	77
17	Oxidative Damage in Clinical Ischemia/Reperfusion Injury: A Reappraisal. Antioxidants and Redox Signaling, 2013, 19, 535-545.	5.4	75
18	The role of plasmalemma vesicle-associated protein in pathological breakdown of bloodâ€“brain and bloodâ€“retinal barriers: potential novel therapeutic target for cerebral edema and diabetic macular edema. Fluids and Barriers of the CNS, 2018, 15, 24.	5.0	74

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19	Enzyme Cytochemical Techniques for Metabolic Mapping in Living Cells, with Special Reference to Proteolysis. Journal of Histochemistry and Cytochemistry, 2001, 49, 1473-1486.	2.5	73
20	CD133⁺ and Nestin⁺ Glioma Stem-Like Cells Reside Around CD31⁺ Arterioles in Niches that Express SDF-1Î±, CXCR4, Osteopontin and Cathepsin K. Journal of Histochemistry and Cytochemistry, 2015, 63, 481-493.	2.5	73
21	In silico gene expression analysis reveals glycolysis and acetate anaplerosis in IDH1 wild-type glioma and lactate and glutamate anaplerosis in IDH1-mutated glioma. Oncotarget, 2017, 8, 49165-49177.	1.8	61
22	Image Cytometry: Protocols for 2D and 3D Quantification in Microscopic Images. Progress in Histochemistry and Cytochemistry, 2013, 47, 211-333.	5.1	60
23	Heterogeneous suppression of experimentally induced colon cancer metastasis in rat liver lobes by inhibition of extracellular cathepsin B. Clinical and Experimental Metastasis, 1997, 16, 159-167.	3.3	58
24	The hypoxic peri-arteriolar glioma stem cell niche, an integrated concept of five types of niches in human glioblastoma. Biochimica Et Biophysica Acta: Reviews on Cancer, 2018, 1869, 346-354.	7.4	57
25	Increased mitochondrial activity in a novel IDH1-R132H mutant human oligodendroglioma xenograft model: in situ detection of 2-HG and Î±-KG. Acta Neuropathologica Communications, 2013, 1, 18.	5.2	54
26	Efficacy of photodynamic therapy as adjunct treatment of chronic periodontitis: a systematic review and meta-analysis. Lasers in Medical Science, 2018, 33, 407-423.	2.1	52
27	The angiogenic switch leads to a metabolic shift in human glioblastoma. Neuro-Oncology, 2017, 19, now175.	1.2	50
28	Root coverage with connective tissue graft associated with coronally advanced flap or tunnel technique: a randomized, doubleâ€blind, monoâ€centre clinical trial. Journal of Clinical Periodontology, 2016, 43, 1142-1150.	4.9	49
29	A Quantitative Method to Determine the Orientation of Collagen Fibers in the Dermis. Journal of Histochemistry and Cytochemistry, 2002, 50, 1469-1474.	2.5	48
30	Endotoxin and interleukin-1 related hepatic inflammatory response promotes liver failure after partial hepatectomy. Hepatology, 1995, 22, 1499-1506.	7.3	47
31	Glioma Stem Cell Niches in Human Glioblastoma Are Periarteriolar. Journal of Histochemistry and Cytochemistry, 2018, 66, 349-358.	2.5	47
32	Identification of proteins associated with clinical and pathological features of proliferative diabetic retinopathy in vitreous and fibrovascular membranes. PLoS ONE, 2017, 12, e0187304.	2.5	46
33	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
34	Imaging Enzymes at Work: Metabolic Mapping by Enzyme Histochemistry. Journal of Histochemistry and Cytochemistry, 2010, 58, 481-497.	2.5	42
35	Embryology, anatomy, physiology and pathophysiology of the peritoneum and the peritoneal vasculature. Seminars in Cell and Developmental Biology, 2019, 92, 27-36.	5.0	41
36	Angiogenesis in gynecological cancers and the options for anti-angiogenesis therapy. Biochimica Et Biophysica Acta: Reviews on Cancer, 2021, 1875, 188446.	7.4	41

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37	Articular cartilage destruction in experimental inflammatory arthritis: insulin-like growth factor-1 regulation of proteoglycan metabolism in chrondrocytes. The Histochemical Journal, 1996, 28, 835-857.	0.6	40
38	Expression Analysis of All Protease Genes Reveals Cathepsin K to Be Overexpressed in Glioblastoma. PLoS ONE, 2014, 9, e111819.	2.5	40
39	Differential expression of glucose-metabolizing enzymes in multiple sclerosis lesions. Acta Neuropathologica Communications, 2015, 3, 79.	5.2	40
40	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. British Journal of Haematology, 1985, 60, 57-63.	2.5	39
41	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
42	Cathepsin K cleavage of SDF-1Î± inhibits its chemotactic activity towards glioblastoma stem-like cells. Biochimica Et Biophysica Acta - Molecular Cell Research, 2017, 1864, 594-603.	4.1	39
43	Comparison of different methodologies and cryostat versus paraffin sections for chromogenic immunohistochemistry. Acta Histochemica, 2019, 121, 125-134.	1.8	36
44	Similarities Between Stem Cell Niches in Glioblastoma and Bone Marrow: Rays of Hope for Novel Treatment Strategies. Journal of Histochemistry and Cytochemistry, 2020, 68, 33-57.	2.5	34
45	Metabolic control analysis aimed at the ribose synthesis pathways of tumor cells: a new strategy for antitumor drug development. Molecular Biology Reports, 2002, 29, 7-12.	2.3	33
46	Glucoseâ€6â€phosphate dehydrogenase activity decreases during storage of leukoreduced red blood cells. Transfusion, 2016, 56, 427-432.	1.6	33
47	TNFÎ±-Induced Disruption of the Bloodâ€“Retinal Barrier In Vitro Is Regulated by Intracellular 3â€²,5â€²-Cyclic Adenosine Monophosphate Levels. , 2017, 58, 3496.		33
48	Isocitrate dehydrogenase 1â€“mutated human gliomas depend on lactate and glutamate to alleviate metabolic stress. FASEB Journal, 2019, 33, 557-571.	0.5	33
49	In situ kinetic parameters of glucose-6-phosphate dehydrogenase and phosphogluconate dehydrogenase in different areas of the rat liver acinus. The Histochemical Journal, 1989, 21, 585-594.	0.6	32
50	Quantitative changes in acid phosphatase, alkaline phosphatase and 5â€˜â€nucleotidase activity in rat liver after experimentally induced cholestasis. Liver, 1990, 10, 158-166.	0.1	32
51	Novel therapeutic strategies to target leukemic cells that hijack compartmentalized continuous hematopoietic stem cell niches. Biochimica Et Biophysica Acta: Reviews on Cancer, 2017, 1868, 183-198.	7.4	32
52	Periarteriolar Glioblastoma Stem Cell Niches Express Bone Marrow Hematopoietic Stem Cell Niche Proteins. Journal of Histochemistry and Cytochemistry, 2018, 66, 155-173.	2.5	32
53	Kupffer cells and pit cells are not effective in the defense against experimentally induced colon carcinoma metastasis in rat liver. Clinical and Experimental Metastasis, 1996, 14, 367-380.	3.3	31
54	Effects of the Green Tea Polyphenol Epigallocatechin-3-Gallate on Glioma: A Critical Evaluation of the Literature. Nutrition and Cancer, 2018, 70, 317-333.	2.0	30

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55	IGF2 and IGF1R identified as novel tip cell genes in primary microvascular endothelial cell monolayers. Angiogenesis, 2018, 21, 823-836.	7.2	30
56	Cytophotometric analysis of reaction rates of succinate and lactate dehydrogenase activity in rat liver, heart muscle and tracheal epithelium. The Histochemical Journal, 1989, 21, 575-583.	0.6	29
57	IDH1â€mutant cancer cells are sensitive to cisplatin and an IDH1â€mutant inhibitor counteracts this sensitivity. FASEB Journal, 2018, 32, 6344-6352.	0.5	28
58	Is leukostasis a crucial step or epiphenomenon in the pathogenesis of diabetic retinopathy?. Journal of Leukocyte Biology, 2017, 102, 993-1001.	3.3	27
59	Development of placental abnormalities in location and anatomy. Acta Obstetricia Et Gynecologica Scandinavica, 2020, 99, 983-993.	2.8	27
60	Post-translational Regulation of Glucose-6-phosphate Dehydrogenase Activity in (Pre)neoplastic Lesions in Rat Liver. Journal of Histochemistry and Cytochemistry, 2003, 51, 105-112.	2.5	26
61	Signal Amplification in Immunohistochemistry at the Light Microscopic Level Using Biotinylated Tyramide and Nanogold-Silver Staining. Journal of Histochemistry and Cytochemistry, 2000, 48, 933-941.	2.5	24
62	CD34 Promotes Pathological Epi-Retinal Neovascularization in a Mouse Model of Oxygen-Induced Retinopathy. PLoS ONE, 2016, 11, e0157902.	2.5	23
63	Endogenous interferon Î³ protects against cholestatic liver injury in mice. Hepatology, 2002, 36, 1466-1477.	7.3	22
64	Three-dimensional histochemistry and imaging of human gingiva. Scientific Reports, 2018, 8, 1647.	3.3	22
65	Cytophotometric analysis of alkaline phosphatase and 5â€²â€nucleotidase activity in regenerating rat liver after partial hepatectomy. Cell Biochemistry and Function, 1988, 6, 53-60.	2.9	20
66	Use of Frozen Biologic Material for Combined Light and Electron Microscopy. Ultrastructural Pathology, 1993, 17, 537-546.	0.9	19
67	Poor perfusion of the microvasculature in peritoneal metastases of ovarian cancer. Clinical and Experimental Metastasis, 2020, 37, 293-304.	3.3	19
68	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
69	Inorganic nanoparticles for the theranostics of cancer. European Journal of Nanomedicine, 2015, 7, .	0.6	18
70	Adaptive sex-dependent changes in the zonation of carbohydrate and lipid metabolism in rat liver lobules after partial hepatectomy. Hepatology, 1994, 20, 714-724.	7.3	16
71	Expression patterns of endothelial permeability pathways in the development of the bloodâ€retinal barrier in mice. FASEB Journal, 2019, 33, 5320-5333.	0.5	16
72	IGF-binding proteins 3 and 4 are regulators of sprouting angiogenesis. Molecular Biology Reports, 2020, 47, 2561-2572.	2.3	16

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73	CXCR4 Antagonists as Stem Cell Mobilizers and Therapy Sensitizers for Acute Myeloid Leukemia and Glioblastoma?. Biology, 2020, 9, 31.	2.8	16
74	Localization patterns of cathepsins K and X and their predictive value in glioblastoma. Radiology and Oncology, 2018, 52, 433-442.	1.7	16
75	Energy Metabolism in IDH1 Wild-Type and IDH1-Mutated Glioblastoma Stem Cells: A Novel Target for Therapy?. Cells, 2021, 10, 705.	4.1	15
76	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
77	Disturbed structural interactions between microfilaments and tight junctions in rat hepatocytes during extrahepatic cholestasis induced by common bile duct ligation. Histochemistry and Cell Biology, 1996, 106, 573-580.	1.7	13
78	2D and 3Din vitroassays to quantify the invasive behavior of glioblastoma stem cells in response to SDF-1Î±. BioTechniques, 2020, 69, 339-346.	1.8	13
79	The Role of Heparan Sulfate and Neuropilin 2 in VEGFA Signaling in Human Endothelial Tip Cells and Non-Tip Cells during Angiogenesis In Vitro. Cells, 2021, 10, 926.	4.1	13
80	A Phase Ib Clinical Trial of Metformin and Chloroquine in Patients with IDH1-Mutated Solid Tumors. Cancers, 2021, 13, 2474.	3.7	13
81	Reduction in phosphoenolpyruvate carboxykinase in rat liver parenchymal cells following experimentally induced cholestasis. Vigiliae Christianae, 1987, 54, 252-255.	0.1	12
82	Rearrangement of hepatocellular F-actin precedes the formation of rosette-like structures in parenchyma of cholestatic rat liver. Hepatology, 1998, 27, 765-771.	7.3	12
83	Comparison of Spectrophotometry, Chromate Inhibition, and Cytofluorometry Versus Gene Sequencing for Detection of Heterozygously Glucose-6-Phosphate Dehydrogenase-Deficient Females. Journal of Histochemistry and Cytochemistry, 2017, 65, 627-636.	2.5	12
84	Development of oxygen insensitivity of the quantitative histochemical assay of G6PDH activity during colorectal carcinogenesis. , 1997, 182, 398-403.		11
85	Identification of a novel inactivating mutation in Isocitrate Dehydrogenase 1 (IDH1-R314C) in a high grade astrocytoma. Scientific Reports, 2016, 6, 30486.	3.3	11
86	Promotion of colon cancer metastases in rat liver by fish oil diet is not due to reduced stroma formation. Clinical and Experimental Metastasis, 2000, 18, 371-377.	3.3	10
87	The need for metabolic mapping in living cells and tissues. Acta Histochemica, 2004, 106, 89-96.	1.8	10
88	The effects of storage on the retention of enzyme activity in cryostat sections. A quantitative histochemical study on rat liver. The Histochemical Journal, 1993, 25, 119-122.	0.6	9
89	The dynamics of local kinetic parameters of glutamate dehydrogenase in rat liver. Histochemistry and Cell Biology, 1996, 106, 437-443.	1.7	9
90	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

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91	Alterations of hepatocellular intermediate filaments during extrahepatic cholestasis in rat liver. Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin, 1997, 430, 253-260.	2.8	8
92	Glucocorticoids exert differential effects on the endothelium in an inÂvitro model of the bloodâ€“retinal barrier. Acta Ophthalmologica, 2019, 97, 214-224.	1.1	8
93	Enzyme reaction rate studies in electromotor neurons of the weakly electric fishApteronotus leptorhynchus. The Histochemical Journal, 1989, 21, 609-617.	0.6	7
94	Molecular extinction coefficients of lead sulfide and polymerized diaminobenzidine as final reaction products of histochemical phosphatase reactions. Cytometry, 1992, 13, 644-648.	1.8	7
95	The involvement of altered vesicle transport in redistribution of Ca2+, Mg2+-ATPase in cholestatic rat liver. The Histochemical Journal, 1998, 30, 909-916.	0.6	7
96	The hypoxanthine-xanthine oxidase axis is not involved in the initial phase of clinical transplantation-related ischemia-reperfusion injury. American Journal of Physiology - Renal Physiology, 2017, 312, F457-F464.	2.7	7
97	Adaptive sex-dependent changes in the zonation of carbohydrate and lipid metabolism in rat liver lobules after partial hepatectomy. Hepatology, 1994, 20, 714-724.	7.3	7
98	Conversion of xanthine dehydrogenase into xanthine oxidase in rat liver and plasma at the onset of reperfusion after ischemia. Hepatology, 1994, 19, 1488-1495.	7.3	7
99	Cell Biology Meets Cell Metabolism: Energy Production Is Similar in Stem Cells and in Cancer Stem Cells in Brain and Bone Marrow. Journal of Histochemistry and Cytochemistry, 2022, 70, 29-51.	2.5	7
100	Quantitative histochemistry of creatine kinase in rat myocardium and skeletal muscle. The Histochemical Journal, 1988, 20, 624-628.	0.6	6
101	Homogeneous distribution of phosphofructokinase in the rat liver acinus: A quantitative histochemical study. Hepatology, 1991, 14, 634-639.	7.3	6
102	Spatially-controlled illumination microscopy. Quarterly Reviews of Biophysics, 2016, 49, .	5.7	6
103	Single Cell Cytochemistry Illustrated by the Demonstration of Glucose-6-Phosphate Dehydrogenase Deficiency in Erythrocytes. Methods in Molecular Biology, 2017, 1560, 3-13.	0.9	6
104	Can you trust your cryostat? Reproducibility of cryostat section thickness. Microscopy Research and Technique, 2006, 69, 835-838.	2.2	5
105	The dynamics of local kinetic parameters of glutamate dehydrogenase in rat liver. Histochemistry and Cell Biology, 1996, 106, 437-443.	1.7	5
106	Functional Imaging of the Ocular Fundus Using an 8-Band Retinal Multispectral Imaging System. Instruments, 2020, 4, 12.	1.8	4
107	Experimental and clinical effects of anticoagulants on cancer progression. Thrombosis Research, 2010, 125, S77-S79.	1.7	3
108	Image Cytometry Protocols. Journal of Histochemistry and Cytochemistry, 2013, 61, 759-760.	2.5	3

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109	Efficacy of an aluminium triformate mouthrinse during the maintenance phase in periodontal patients: a pilot double blind randomized placebo-controlled clinical trial. BMC Oral Health, 2016, 16, 57.	2.3	3
110	Development of oxygen insensitivity of the quantitative histochemical assay of G6PDH activity during colorectal carcinogenesis. Journal of Pathology, 1997, 182, 398-403.	4.5	1
111	MECHANISMS OF THE IDH1/2 MUTATIONS AND ITS ASSOCIATION WITH CONTRADICTORY SURVIVAL OF GLIOBLASTOMA PATIENTS VERSUS AML PATIENTS. FASEB Journal, 2018, 32, 40.10.	0.5	1
112	Disturbed structural interactions between microfilaments and tight junctions in rat hepatocytes during extrahepatic cholestasis induced by common bile duct ligation. Histochemistry and Cell Biology, 1996, 106, 573.	1.7	1
113	Image cytometry for 2D and 3D quantification in microscopic images (1050.5). FASEB Journal, 2014, 28, 1050.5.	0.5	0
114	IDH1â€mutated gliomas rely on anaplerosis of glutamate and lactate whereas IDH1 wildâ€type gliomas rely on glycolysis and acetate anaplerosis. FASEB Journal, 2018, 32, 677.8.	0.5	0
115	Similarities Between Stem Cell Niches in Glioblastoma and Bone Marrow: Rays of Hope for Novel Treatment Strategies. FASEB Journal, 2020, 34, 1-1.	0.5	0