Pierre Van Antwerpen

List of Publications by Year in Descending Order

114 papers	2,502 citations	28 h-index	44 g-index
120 ext. papers	2,993 ext. citations	4.7 avg, IF	4.79 L-index

#	Paper	IF	Citations
114	Use and misuse of prescription stimulants by university students: a cross-sectional survey in the french-speaking community of Belgium, 2018.. *Archives of Public Health*, **2022**, 80, 54	2.6	0
113	Selenocompounds and Sepsis: Redox Bypass Hypothesis: Part B- Selenocompounds in the Management of Early Sepsis.. *Antioxidants and Redox Signaling*, **2022**,	8.4	3
112	Unexpected Role of MPO-Oxidized LDLs in Atherosclerosis: In between Inflammation and Its Resolution. *Antioxidants*, **2022**, 11, 874	7.1	1
111	Targeted and Untargeted Mass Spectrometry-Based Metabolomics for Chemical Profiling of Three Coffee Species. *Molecules*, **2022**, 27, 3152	4.8	0
110	Priming of mesenchymal stem cells with a hydrosoluble form of curcumin allows keeping their mesenchymal properties for cell-based therapy development. *Journal of Cellular and Molecular Medicine*, **2021**, 25, 4877-4881	5.6	1
109	Effects of hyperoxia and cardiovascular risk factors on myocardial ischaemia-reperfusion injury: a randomized, sham-controlled parallel study. *Experimental Physiology*, **2021**, 106, 1249-1262	2.4	0
108	Untargeted metabolomics approach to discriminate mistletoe commercial products. *Scientific Reports*, **2021**, 11, 14205	4.9	4
107	Selenocompounds and Sepsis: Redox Bypass Hypothesis for Early Diagnosis and Treatment: Part A-Early Acute Phase of Sepsis: An Extraordinary Redox Situation (Leukocyte/Endothelium Interaction Leading to Endothelial Damage). *Antioxidants and Redox Signaling*, **2021**, 35, 113-138	8.4	3
106	Fc Glycosylation Characterization of Human Immunoglobulins G Using Immunocapture and LC-MS. *Methods in Molecular Biology*, **2021**, 2271, 57-71	1.4	1
105	Anti-inflammatory, antioxidant effects, and bioaccessibility of Tigzirt propolis. *Journal of Food Biochemistry*, **2021**, 45, e13663	3.3	2
104	Mass Spectrometry for the Monitoring of Lipoprotein Oxidations by Myeloperoxidase in Cardiovascular Diseases. *Molecules*, **2021**, 26,	4.8	1
103	Acute effects of hypouricemia on endothelium, oxidative stress, and arterial stiffness: A randomized, double-blind, crossover study. *Physiological Reports*, **2021**, 9, e15018	2.6	0
102	Coffee Leaves: An Upcoming Novel Food?. *Planta Medica*, **2021**, 87, 949-963	3.1	3
101	M2 Monocyte Polarization in Dialyzed Patients Is Associated with Increased Levels of M-CSF and Myeloperoxidase-Associated Oxidative Stress: Preliminary Results. *Biomedicines*, **2021**, 9,	4.8	1
100	A patent review of myeloperoxidase inhibitors for treating chronic inflammatory syndromes (focus on cardiovascular diseases, 2013-2019). *Expert Opinion on Therapeutic Patents*, **2020**, 30, 595-608	6.8	8
99	A new potential anti-cancer beta-carboline derivative decreases the expression levels of key proteins involved in glioma aggressiveness: A proteomic investigation. *Drug Development Research*, **2020**, 81, 32-42	5.1	4
98	Dysregulation of Macropinocytosis Processes in Glioblastomas May Be Exploited to Increase Intracellular Anti-Cancer Drug Levels: The Example of Temozolomide. *Cancers*, **2019**, 11,	6.6	16

97	Chemical composition of propolis extract and its effects on epirubicin-induced hepatotoxicity in rats. *Revista Brasileira De Farmacognosia*, **2019**, 29, 294-300	2	11
96	Human peroxidasin 1 promotes angiogenesis through ERK1/2, Akt, and FAK pathways. *Cardiovascular Research*, **2019**, 115, 463-475	9.9	9
95	Severe Hypouricemia Impairs Endothelium-Dependent Vasodilatation and Reduces Blood Pressure in Healthy Young Men: A Randomized, Placebo-Controlled, and Crossover Study. *Journal of the American Heart Association*, **2019**, 8, e013130	6	18
94	The soluble curcumin derivative NDS27 inhibits superoxide anion production by neutrophils and acts as substrate and reversible inhibitor of myeloperoxidase. *Chemico-Biological Interactions*, **2019**, 297, 34-43	5	7
93	Validation of a LC/MSMS method for simultaneous quantification of 9 nucleotides in biological matrices. *Talanta*, **2019**, 193, 206-214	6.2	12
92	Myeloperoxidase-catalyzed oxidation of cyanide to cyanate: A potential carbamylation route involved in the formation of atherosclerotic plaques?. *Journal of Biological Chemistry*, **2018**, 293, 6374-6386	5.4	26
91	The other myeloperoxidase: Emerging functions. *Archives of Biochemistry and Biophysics*, **2018**, 649, 1-14	4.1	25
90	High-Wattage E-Cigarettes Induce Tissue Hypoxia and Lower Airway Injury: A Randomized Clinical Trial. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 198, 123-126	10.2	16
89	New Folate-Grafted Chitosan Derivative To Improve Delivery of Paclitaxel-Loaded Solid Lipid Nanoparticles for Lung Tumor Therapy by Inhalation. *Molecular Pharmaceutics*, **2018**, 15, 899-910	5.6	82
88	Data on myeloperoxidase-oxidized low-density lipoproteins stimulation of cells to induce release of resolvin-D1. *Data in Brief*, **2018**, 18, 1160-1171	1.2	1
87	Native and myeloperoxidase-oxidized low-density lipoproteins act in synergy to induce release of resolvin-D1 from endothelial cells. *Atherosclerosis*, **2018**, 272, 108-117	3.1	16
86	Antioxidant effects and bioavailability evaluation of propolis extract and its content of pure polyphenols. *Journal of Food Biochemistry*, **2018**, 42, e12434	3.3	9
85	Metabolomics fingerprint of coffee species determined by untargeted-profiling study using LC-HRMS. *Food Chemistry*, **2018**, 245, 603-612	8.5	41
84	Differential Effects of E-Cigarette on Microvascular Endothelial Function, Arterial Stiffness and Oxidative Stress: A Randomized Crossover Trial. *Scientific Reports*, **2018**, 8, 10378	4.9	79
83	Myeloperoxidase promotes tube formation, triggers ERK1/2 and Akt pathways and is expressed endogenously in endothelial cells. *Archives of Biochemistry and Biophysics*, **2018**, 654, 55-69	4.1	12
82	Synthesis and photophysical studies of a multivalent photoreactive Ru-calix[4]arene complex bearing RGD-containing cyclopentapeptides. *Beilstein Journal of Organic Chemistry*, **2018**, 14, 1758-1768	2.5	4
81	Targeting Cytosolic Phospholipase A2 for Novel Anti-Inflammatory Agents. *Current Medicinal Chemistry*, **2018**, 25, 2418-2447	4.3	12
80	Myeloperoxidase and Prostate volume: A preliminary study. *Progres En Urologie*, **2018**, 28, 482-487	0.9	

79	Apoliporotein L3 interferes with endothelial tube formation via regulation of ERK1/2, FAK and Akt signaling pathway. *Atherosclerosis*, **2018**, 279, 73-87	3.1	4
78	LC-MS analysis combined with principal component analysis and soft independent modelling by class analogy for a better detection of changes in N-glycosylation profiles of therapeutic glycoproteins. *Analytical and Bioanalytical Chemistry*, **2017**, 409, 477-485	4.4	13
77	Batch-to-batch N-glycosylation study of infliximab, trastuzumab and bevacizumab, and stability study of bevacizumab. *European Journal of Hospital Pharmacy*, **2017**, 24, 286-292	1.6	19
76	The presence of modified nucleosides in extracellular fluids leads to the specific incorporation of 5-chlorocytidine into RNA and modulates the transcription and translation. *Molecular and Cellular Biochemistry*, **2017**, 429, 59-71	4.2	5
75	A physical description of the adhesion and aggregation of platelets. *Royal Society Open Science*, **2017**, 4, 170219	3.3	10
74	From Dynamic Combinatorial Chemistry to Evaluation of Reversible and Irreversible Myeloperoxidase Inhibitors. *ACS Medicinal Chemistry Letters*, **2017**, 8, 206-210	4.3	15
73	Tannins and Tannin-Related Derivatives Enhance the (Pseudo-)Halogenating Activity of Lactoperoxidase. *Journal of Natural Products*, **2017**, 80, 1328-1338	4.9	6
72	Relationship between oxidative stress and erectile function. *Free Radical Research*, **2017**, 51, 924-931	4	5
71	Oxidative stress and prostatic diseases. *Molecular and Clinical Oncology*, **2017**, 7, 723-728	1.6	25
70	The waste of saffron crop, a cheap source of bioactive compounds. *Journal of Functional Foods*, **2017**, 35, 341-351	5.1	20
69	Discovery of Novel Potent Reversible and Irreversible Myeloperoxidase Inhibitors Using Virtual Screening Procedure. *Journal of Medicinal Chemistry*, **2017**, 60, 6563-6586	8.3	21
68	Novel bis-arylalkylamines as myeloperoxidase inhibitors: Design, synthesis, and structure-activity relationship study. *European Journal of Medicinal Chemistry*, **2016**, 123, 746-762	6.8	12
67	Characterization of chemical features of potent myeloperoxidase inhibitors. *Future Medicinal Chemistry*, **2016**, 8, 1163-77	4.1	7
66	Antimicrobial effects of six Algerian propolis extracts. *International Journal of Food Science and Technology*, **2016**, 51, 2613-2620	3.8	7
65	Allosteric regulation of G protein-coupled receptor activity by phospholipids. *Nature Chemical Biology*, **2016**, 12, 35-9	11.7	183
64	Phosphatidylethanolamine Is a Key Regulator of Membrane Fluidity in Eukaryotic Cells. *Journal of Biological Chemistry*, **2016**, 291, 3658-67	5.4	170
63	Methylprednisolone-Induced Lymphocytosis in Patients with Immune-Mediated Inflammatory Disorders. *American Journal of Medicine*, **2016**, 129, 746-752.e3	2.4	6
62	Myeloperoxidase as a Target for the Treatment of Inflammatory Syndromes: Mechanisms and Structure Activity Relationships of Inhibitors. *Current Medicinal Chemistry*, **2016**, 23, 3975-4008	4.3	25

61	Myeloperoxidase-Oxidized LDLs Enhance an Anti-Inflammatory M2 and Antioxidant Phenotype in Murine Macrophages. *Mediators of Inflammation*, **2016**, 2016, 8249476	4.3	6
60	Flavonoids as promoters of the (pseudo-)halogenating activity of lactoperoxidase and myeloperoxidase. *Free Radical Biology and Medicine*, **2016**, 97, 307-319	7.8	32
59	Liquid chromatography-quadrupole time of flight tandem mass spectrometry-based targeted metabolomic study for varietal discrimination of grapes according to plant sterols content. *Journal of Chromatography A*, **2016**, 1454, 67-77	4.5	21
58	Validation of a sensitive LC/MSMS method for chloronucleoside analysis in biological matrixes and its applications. *Talanta*, **2016**, 154, 322-8	6.2	7
57	Glycan characterization of biopharmaceuticals: Updates and perspectives. *Analytica Chimica Acta*, **2016**, 921, 13-27	6.6	53
56	Identification of compounds with anti-proliferative activity from the wood of Ficus elastica Roxb. ex Hornem. aerial roots. *Fitoterapia*, **2016**, 112, 65-73	3.2	8
55	Multidomain human peroxidasin 1 is a highly glycosylated and stable homotrimeric high spin ferric peroxidase. *Journal of Biological Chemistry*, **2015**, 290, 10876-90	5.4	19
54	An immunological method to combine the measurement of active and total myeloperoxidase on the same biological fluid, and its application in finding inhibitors which interact directly with the enzyme. *Free Radical Research*, **2015**, 49, 790-9	4	17
53	Rational drug design applied to myeloperoxidase inhibition. *Free Radical Research*, **2015**, 49, 711-20	4	8
52	Type 2 17-β-hydroxysteroid dehydrogenase as a novel target for the treatment of osteoporosis. *Future Medicinal Chemistry*, **2015**, 7, 1431-56	4.1	6
51	New dry powders for inhalation containing temozolomide-based nanomicelles for improved lung cancer therapy. *International Journal of Oncology*, **2015**, 47, 1131-42	4.4	16
50	Advancement in stationary phase for peptide separation helps in protein identification: application to atheroma plaque proteomics using nano-chip liquid chromatography and mass spectrometry. *Journal of Chromatography A*, **2015**, 1385, 116-23	4.5	11
49	Hybrid molecules inhibiting myeloperoxidase activity and serotonin reuptake: a possible new approach of major depressive disorders with inflammatory syndrome. *Journal of Pharmacy and Pharmacology*, **2014**, 66, 1122-32	4.8	12
48	Nanoimmunoassay onto a screen printed electrode for HER2 breast cancer biomarker determination. *Talanta*, **2014**, 130, 164-70	6.2	57
47	Myeloperoxidase and its products in synovial fluid of patients with treated or untreated rheumatoid arthritis. *Free Radical Research*, **2014**, 48, 461-5	4	29
46	Inhibition of myeloperoxidase activity by the alkaloids of Peganum harmala L. (Zygophyllaceae). *Journal of Ethnopharmacology*, **2014**, 154, 361-9	5	36
45	Characterization and antioxidant properties of six Algerian propolis extracts: ethyl acetate extracts inhibit myeloperoxidase activity. *International Journal of Molecular Sciences*, **2014**, 15, 2327-45	6.3	32
44	Myeloperoxidase oxidized LDL interferes with endothelial cell motility through miR-22 and heme oxygenase 1 induction: possible involvement in reendothelialization of vascular injuries. *Mediators of Inflammation*, **2014**, 2014, 134635	4.3	10

43	Impact of myeloperoxidase-LDL interactions on enzyme activity and subsequent posttranslational oxidative modifications of apoB-100. *Journal of Lipid Research*, **2014**, 55, 747-57	6.3	47
42	Efficient one-pot methodology for the synthesis of novel tetrahydro-carboline, tetrahydroisoquinoline and tetrahydrothienopyridine derivatives. *Tetrahedron Letters*, **2013**, 54, 6087-6089	2	6
41	Variations in the chemical profile and biological activities of licorice (Glycyrrhiza glabra L.), as influenced by harvest times. *Acta Physiologiae Plantarum*, **2013**, 35, 1337-1349	2.6	26
40	Design, synthesis, and structure-activity relationship studies of novel 3-alkylindole derivatives as selective and highly potent myeloperoxidase inhibitors. *Journal of Medicinal Chemistry*, **2013**, 56, 3943-58	8.3	29
39	4-Bromo-2-(piperidin-1-yl)thiazol-5-yl-phenyl methanone (12b) inhibits Na+/K(+)-ATPase and Ras oncogene activity in cancer cells. *European Journal of Medicinal Chemistry*, **2013**, 63, 213-23	6.8	10
38	Vasorelaxant and antihypertensive effects of methanolic extracts from Hymenocardia acida Tul. *Journal of Ethnopharmacology*, **2013**, 146, 623-31	5	8
37	Low-density lipoprotein modified by myeloperoxidase in inflammatory pathways and clinical studies. *Mediators of Inflammation*, **2013**, 2013, 971579	4.3	58
36	Myeloperoxidase-dependent LDL modifications in bloodstream are mainly predicted by angiotensin II, adiponectin, and myeloperoxidase activity: a cross-sectional study in men. *Mediators of Inflammation*, **2013**, 2013, 750742	4.3	7
35	Assessment of oxidative stress in tumors and histologically normal mucosa from patients with head and neck squamous cell carcinoma: a preliminary study. *European Journal of Cancer Prevention*, **2013**, 22, 558-60	2	5
34	Ophiobolin A, a sesterterpenoid fungal phytotoxin, displays higher in vitro growth-inhibitory effects in mammalian than in plant cells and displays in vivo antitumor activity. *International Journal of Oncology*, **2013**, 43, 575-85	4.4	29
33	A new device to mimic intermittent hypoxia in mice. *PLoS ONE*, **2013**, 8, e59973	3.7	6
32	Evaluation of new scaffolds of myeloperoxidase inhibitors by rational design combined with high-throughput virtual screening. *Journal of Medicinal Chemistry*, **2012**, 55, 7208-18	8.3	27
31	Simultaneous measurement of protein-bound 3-chlorotyrosine and homocitrulline by LC-MS/MS after hydrolysis assisted by microwave: application to the study of myeloperoxidase activity during hemodialysis. *Talanta*, **2012**, 99, 603-9	6.2	22
30	Ceramide, cerebroside and triterpenoid saponin from the bark of aerial roots of Ficus elastica (Moraceae). *Phytochemistry*, **2012**, 83, 95-103	4	18
29	Exposure of endothelial cells to physiological levels of myeloperoxidase-modified LDL delays pericellular fibrinolysis. *PLoS ONE*, **2012**, 7, e38810	3.7	12
28	Intriguing location of myeloperoxidase in the prostate: a preliminary immunohistochemical study. *Prostate*, **2012**, 72, 507-13	4.2	20
27	Benefits of napping and an extended duration of recovery sleep on alertness and immune cells after acute sleep restriction. *Brain, Behavior, and Immunity*, **2011**, 25, 16-24	16.6	90
26	In vitro anticancer activity, toxicity and structure-activity relationships of phyllostictine A, a natural oxazatricycloalkenone produced by the fungus Phyllosticta cirsii. *Toxicology and Applied Pharmacology*, **2011**, 254, 8-17	4.6	13

25	Optimization of apolipoprotein-B-100 sequence coverage by liquid chromatography-tandem mass spectrometry for the future study of its posttranslational modifications. *Analytical Biochemistry*, **2011**, 411, 129-38	3.1	6
24	Temporal dissociation between myeloperoxidase (MPO)-modified LDL and MPO elevations during chronic sleep restriction and recovery in healthy young men. *PLoS ONE*, **2011**, 6, e28230	3.7	22
23	Glycosylation pattern of mature dimeric leukocyte and recombinant monomeric myeloperoxidase: glycosylation is required for optimal enzymatic activity. *Journal of Biological Chemistry*, **2010**, 285, 16351-9	5.4	42
22	Enzyme immobilized magnetic nanoparticles for in-line capillary electrophoresis and drug biotransformation studies: application to paracetamol. *Combinatorial Chemistry and High Throughput Screening*, **2010**, 13, 455-60	1.3	11
21	Copper and myeloperoxidase-modified LDLs activate Nrf2 through different pathways of ROS production in macrophages. *Antioxidants and Redox Signaling*, **2010**, 13, 1491-502	8.4	24
20	Targeting of eEF1A with Amaryllidaceae isocarbostyrils as a strategy to combat melanomas. *FASEB Journal*, **2010**, 24, 4575-84	0.9	94
19	Structure-based design, synthesis, and pharmacological evaluation of 3-(aminoalkyl)-5-fluoroindoles as myeloperoxidase inhibitors. *Journal of Medicinal Chemistry*, **2010**, 53, 8747-59	8.3	43
18	Effects of phosphodiesterase inhibitors on the inflammatory response of endothelial cells stimulated by myeloperoxidase-modified low-density lipoprotein or tumor necrosis factor alpha. *European Urology*, **2010**, 57, 522-8	10.2	29
17	Free radical-scavenging, antioxidant and immunostimulating effects of a licorice infusion (Glycyrrhiza glabra L.). *Food Chemistry*, **2010**, 122, 508-517	8.5	45
16	Simple di- and trivanillates exhibit cytostatic properties toward cancer cells resistant to pro-apoptotic stimuli. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 3823-33	3.4	34
15	Coronary stenting is associated with an acute increase in plasma myeloperoxidase in stable angina patients but not in patients with acute myocardial infarction. *European Journal of Internal Medicine*, **2009**, 20, 527-32	3.9	11
14	A new easy method for specific measurement of active myeloperoxidase in human biological fluids and tissue extracts. *Talanta*, **2009**, 80, 723-9	6.2	36
13	Effects of oxygen therapy on systemic inflammation and myeloperoxidase modified LDL in hypoxemic COPD patients. *Atherosclerosis*, **2009**, 205, 360-2	3.1	4
12	A large-bolus injection, but not continuous infusion of sodium selenite improves outcome in peritonitis. *Shock*, **2009**, 32, 140-6	3.4	55
11	Development and validation of a screening procedure for the assessment of inhibition using a recombinant enzyme. *Talanta*, **2008**, 75, 503-10	6.2	8
10	Monocyte-platelet complexes on CD14/CD16 monocyte subsets: relationship with ApoA-I levels. A preliminary study. *Cardiovascular Pathology*, **2008**, 17, 285-8	3.8	5
9	Conception of myeloperoxidase inhibitors derived from flufenamic acid by computational docking and structure modification. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 1702-20	3.4	22
8	Resveratrol inhibits the activity of equine neutrophil myeloperoxidase by a direct interaction with the enzyme. *Journal of Agricultural and Food Chemistry*, **2007**, 55, 8080-7	5.7	54

7	Inhibition of the myeloperoxidase chlorinating activity by non-steroidal anti-inflammatory drugs: flufenamic acid and its 5-chloro-derivative directly interact with a recombinant human myeloperoxidase to inhibit the synthesis of hypochlorous acid. *European Journal of Pharmacology*, **2007**, 570, 235-43	5.3	24
6	Probucol does not inhibit myeloperoxidase-dependent low-density lipoprotein oxidation as a potent protective effect in atherosclerosis. *Journal of Cardiovascular Pharmacology*, **2007**, 50, 350-1	3.1	4
5	Captopril inhibits the oxidative modification of apolipoprotein B-100 caused by myeloperoxydase in a comparative in vitro assay of angiotensin converting enzyme inhibitors. *European Journal of Pharmacology*, **2006**, 537, 31-6	5.3	11
4	The pleiotropic effect of statins in haemodialysis patients is not the consequence of an inhibition of LDL oxidation by myeloperoxidase. *Nephrology Dialysis Transplantation*, **2006**, 21, 2672-4	4.3	2
3	Triggering of inflammatory response by myeloperoxidase-oxidized LDL. *Biochemistry and Cell Biology*, **2006**, 84, 805-12	3.6	41
2	Thiol-containing molecules interact with the myeloperoxidase/H2O2/chloride system to inhibit LDL oxidation. *Biochemical and Biophysical Research Communications*, **2005**, 337, 82-8	3.4	41
1	In vitro comparative assessment of the scavenging activity against three reactive oxygen species of non-steroidal anti-inflammatory drugs from the oxicam and sulfoanilide families. *European Journal of Pharmacology*, **2004**, 496, 55-61	5.3	40