

Joseph Vercauteren

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114
papers

3,736
citations

34
h-index

56
g-index

119
ext. papers

3,965
ext. citations

4.3
avg, IF

4.71
L-index

#	Paper	IF	Citations
114	Structural determination of colourless and yellow dimers resulting from (+)-catechin coupling catalysed by grape polyphenoloxidase. <i>Phytochemistry</i> , 1996 , 42, 1279-1288	4	241
113	Determination of stilbenes (trans-astringin, cis- and trans-piceid, and cis- and trans-resveratrol) in Portuguese wines. <i>Journal of Agricultural and Food Chemistry</i> , 1999 , 47, 2666-70	5.7	174
112	Direct liquid chromatographic analysis of resveratrol derivatives and flavanonols in wines with absorbance and fluorescence detection. <i>Analytica Chimica Acta</i> , 2002 , 458, 103-110	6.6	142
111	Isolation, identification, and antioxidant activity of three stilbene glucosides newly extracted from <i>Vitis vinifera</i> cell cultures. <i>Journal of Natural Products</i> , 1998 , 61, 655-7	4.9	131
110	Resveratrol inhibits the growth and induces the apoptosis of both normal and leukemic hematopoietic cells. <i>Carcinogenesis</i> , 2002 , 23, 1327-33	4.6	125
109	Occurrence of anthocyanin-derived pigments in red wines. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 4836-40	5.7	116
108	Lepadiformine, a new marine cytotoxic alkaloid from <i>Clavelina lepadiformis</i> Müller. <i>Tetrahedron Letters</i> , 1994 , 35, 2691-2694	2	115
107	Isoprostanes, neuroprostanes and phytoprostanes: An overview of 25 years of research in chemistry and biology. <i>Progress in Lipid Research</i> , 2017 , 68, 83-108	14.3	97
106	Levels of stilbene oligomers and astilbin in French varietal wines and in grapes during noble rot development. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 2046-52	5.7	88
105	Resveratrol exerts its antiproliferative effect on HepG2 hepatocellular carcinoma cells, by inducing cell cycle arrest, and NOS activation. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2006 , 1760, 1657-68	4	82
104	The Accumulation of Stilbene Glycosides in <i>Vitis vinifera</i> Cell Suspension Cultures. <i>Journal of Natural Products</i> , 1996 , 59, 1189-1191	4.9	75
103	Preparative isolation of polyphenolic compounds from <i>Vitis vinifera</i> by centrifugal partition chromatography. <i>Journal of Chromatography A</i> , 2002 , 964, 123-8	4.5	74
102	Bisulfite addition to anthocyanins: revisited structures of colourless adducts. <i>Tetrahedron Letters</i> , 1998 , 39, 5771-5774	2	71
101	Metabonomic assessment of physiological disruptions using ¹ H- ¹³ C HMBC-NMR spectroscopy combined with pattern recognition procedures performed on filtered variables. <i>Analytical Chemistry</i> , 2002 , 74, 2261-73	7.8	64
100	Trans-resveratrol-3-O- β -glucoside (piceid) in cell suspension cultures of <i>Vitis vinifera</i> . <i>Phytochemistry</i> , 1996 , 42, 1591-1593	4	62
99	Antioxidant Activity of the Stilbene Astringin, Newly Extracted from <i>Vitis vinifera</i> Cell Cultures. <i>Clinical Chemistry</i> , 1997 , 43, 1092-1093	5.5	61
98	Non-enzymatic lipid oxidation products in biological systems: assessment of the metabolites from polyunsaturated fatty acids. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2014 , 964, 65-78	3.2	54

97	Extensive high-resolution reverse 2D NMR analysis for the structural elucidation of procyanidin oligomers. <i>Magnetic Resonance in Chemistry</i> , 1994 , 32, 386-393	2.1	53
96	Acylated kaempferol glycosides from <i>Laurus nobilis</i> leaves. <i>Phytochemistry</i> , 1998 , 47, 821-824	4	51
95	Sensitivity of cardiac background inward rectifying K ⁺ outward current (IK1) to the alkaloids lepadiformines A, B, and C. <i>Journal of Natural Products</i> , 2006 , 69, 558-62	4.9	50
94	Quercetin exhibits a specific fluorescence in cellular milieu: a valuable tool for the study of its intracellular distribution. <i>Journal of Agricultural and Food Chemistry</i> , 2007 , 55, 2873-8	5.7	49
93	Production of ¹³ C-labelled anthocyanins by <i>Vitis vinifera</i> cell suspension cultures. <i>Phytochemistry</i> , 1999 , 51, 651-6	4	47
92	Activated alkynes as partners in Pictet-Spengler condensations. <i>Journal of Organic Chemistry</i> , 1984 , 49, 2278-2279	4.2	45
91	Evaluation of antitumor effects of two vine stalk oligomers of resveratrol on a panel of lymphoid and myeloid cell lines: comparison with resveratrol. <i>Life Sciences</i> , 2007 , 81, 1565-74	6.8	42
90	Multivariate statistical analysis of two-dimensional NMR data to differentiate grapevine cultivars and clones. <i>Food Chemistry</i> , 1996 , 57, 441-450	8.5	42
89	Monomeric and oligomeric flavanols are agonists of membrane androgen receptors. <i>Experimental Cell Research</i> , 2005 , 309, 329-39	4.2	41
88	DNA triplex stabilization property of natural anthocyanins. <i>Phytochemistry</i> , 2000 , 53, 679-87	4	41
87	Quercetin accumulates in nuclear structures and triggers specific gene expression in epithelial cells. <i>Journal of Nutritional Biochemistry</i> , 2012 , 23, 656-66	6.3	40
86	Vasorelaxant effects of grape polyphenols in rat isolated aorta. Possible involvement of a purinergic pathway. <i>Fundamental and Clinical Pharmacology</i> , 2003 , 17, 673-81	3.1	39
85	Polyphenols newly extracted in red wine from southwestern France by centrifugal partition chromatography. <i>Journal of Agricultural and Food Chemistry</i> , 2001 , 49, 5934-8	5.7	39
84	Carbon-14 biolabelling of wine polyphenols in <i>Vitis vinifera</i> cell suspension cultures. <i>Journal of Biotechnology</i> , 2002 , 95, 49-56	3.7	37
83	Nortriterpenoid and sesquiterpenoid glucosides from <i>Juniperus phynicea</i> and <i>Galega officinalis</i> . <i>Phytochemistry</i> , 1999 , 50, 1219-1223	4	37
82	Homeostatic signature of anabolic steroids in cattle using ¹ H- ¹³ C HMBC NMR metabonomics. <i>Journal of Proteome Research</i> , 2005 , 4, 1493-502	5.6	35
81	2D NMR structure elucidation of proanthocyanidins: The special case of the catechin-(4 β -8)-catechin-(4 β -8)-catechin trimer. <i>Magnetic Resonance in Chemistry</i> , 1995 , 33, 85-94	2.1	35
80	Omega-3 polyunsaturated lipophenols, how and why?. <i>Biochimie</i> , 2016 , 120, 62-74	4.6	34

79	Three phenylpropanoids from <i>Juniperus phŕicea</i> . <i>Phytochemistry</i> , 1997 , 44, 1169-1173	4	34
78	First observation of non-covalent complexes for a tanninŕprotein interaction model investigated by electrospray ionisation mass spectroscopy. <i>Tetrahedron Letters</i> , 2002 , 43, 2363-2366	2	34
77	Alkaloids of <i>Hunteria zeylanica</i> . <i>Phytochemistry</i> , 1982 , 21, 445-447	4	33
76	Phenylpropanoids from leaves of <i>Juniperus phoenicea</i> . <i>Phytochemistry</i> , 1997 , 45, 1679-1682	4	32
75	Discrimination of wines based on 2D NMR spectra using learning vector quantization neural networks and partial least squares discriminant analysis. <i>Analytica Chimica Acta</i> , 2006 , 558, 144-149	6.6	31
74	Total synthesis of isotopically labelled flavonoids. Part 5: Gram-scale production of ¹³ C-labelled (ŕ)procyanidin B3. <i>Tetrahedron Letters</i> , 2001 , 42, 5669-5671	2	29
73	Non-Enzymatic Synthesis of Bioactive Isoprostanooids in the Diatom following Oxidative Stress. <i>Plant Physiology</i> , 2018 , 178, 1344-1357	6.6	29
72	Phenols as C- and O-Nucleophiles in Palladium-Catalysed Allylic Substitutions. <i>European Journal of Organic Chemistry</i> , 1999 , 1999, 2231-2234	3.2	28
71	Galloylated catechins and stilbene diglucosides in <i>Vitis vinifera</i> cell suspension cultures. <i>Phytochemistry</i> , 2002 , 60, 795-8	4	27
70	First observation of solution structures of bradykinin-penta-O-galloyl-D-glucopyranose complexes as determined by NMR and simulated annealing. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002 , 1571, 89-101	4	27
69	Quinazoline-2,4(1H,3H)-dione as a substitute for thymine in triple-helix forming oligonucleotides: a reassessment. <i>Nucleic Acids Research</i> , 1996 , 24, 1127-35	20.1	27
68	Novel oligomeric proanthocyanidin derivatives interact with membrane androgen sites and induce regression of hormone-independent prostate cancer. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011 , 337, 24-32	4.7	26
67	Triplex stability of oligodeoxynucleotides containing substituted quinazoline-2,4-(1H,3H)-dione. <i>Tetrahedron</i> , 1997 , 53, 8457-8478	2.4	26
66	Structural analysis of the mannan region of lipoarabinomannan from <i>Mycobacterium bovis</i> BCG. Heterogeneity in phosphorylation state. <i>Journal of Biological Chemistry</i> , 1995 , 270, 15012-21	5.4	26
65	Alkaloids of <i>Alstonia lanceolifera</i> . <i>Phytochemistry</i> , 1981 , 20, 1987-1990	4	24
64	Total synthesis of isotopically labelled flavonoids. Part 3: ŕFor Part 2, see Ref. 1. ¹³ C-labelled (ŕ)procyanidin B3 from 1-[¹³ C]-acetic acid. <i>Tetrahedron Letters</i> , 2001 , 42, 1279-1281	2	23
63	¹³ C-Labelled (ŕŕ)-Catechin From Potassium [¹³ C]Cyanide. <i>European Journal of Organic Chemistry</i> , 2000 , 2000, 1279-1283	3.2	23
62	19-hydroxytubotaiwine : total synthesis. Assignment of absolute configuration to a natural isomer. <i>Tetrahedron Letters</i> , 1991 , 32, 1787-1790	2	23

61	Enzymic activity degrading 1,4- β -d-glucans to ascopyrones P and T in Pezizales and Tuberales. <i>Phytochemistry</i> , 1993 , 33, 41-45	4	23
60	Possible mechanism for involvement of cysteine in aroma production in wine. <i>Journal of Agricultural and Food Chemistry</i> , 2002 , 50, 6160-4	5.7	22
59	Synthesis and Evaluation of Polyunsaturated Fatty Acid Phenol Conjugates as Anti-Carbonyl-Stress Lipophenols. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 4548-4561	3.2	21
58	Resveratrol formulated with a natural deep eutectic solvent inhibits active matrix metalloprotease-9 in hormetic conditions. <i>European Journal of Lipid Science and Technology</i> , 2017 , 119, 1700171	3	21
57	New 2-sulfonamidothiazoles substituted at C-4: synthesis of polyoxygenated aryl derivatives and in vitro evaluation of antifungal activity. <i>European Journal of Medicinal Chemistry</i> , 1999 , 34, 773-779	6.8	21
56	Alkaloids of <i>Alstonia lanceolata</i> . <i>Phytochemistry</i> , 1981 , 20, 1411-1413	4	21
55	Phenylpropane glycosides from <i>Juniperus phoenicea</i> . <i>Planta Medica</i> , 1996 , 62, 88-9	3.1	20
54	Gram-Scale Production and Applications of Optically Pure ^{13}C -Labelled (+)-Catechin and (β -Epicatechin. <i>European Journal of Organic Chemistry</i> , 2001 , 2001, 2379-2384	3.2	20
53	NMR and simulated annealing investigations of bradykinin in presence of polyphenols. <i>Journal of Biomolecular Structure and Dynamics</i> , 2001 , 18, 627-37	3.6	20
52	Iridoids and flavones from <i>Gentiana depressa</i> . <i>Phytochemistry</i> , 1996 , 42, 139-143	4	20
51	Alcaloïdes des feuilles et ñorces de tronc de <i>Alstonia odontophora</i> . <i>Phytochemistry</i> , 1979 , 18, 1729-1731	4	20
50	Castavinol, a new series of polyphenols from Bordeaux red wines. <i>Tetrahedron Letters</i> , 1996 , 37, 7739-7742		19
49	Lipo-oligosaccharidic antigen from <i>Mycobacterium gastris</i> . Complete structure of a novel C4-branched 3,6-dideoxy- α -xylo-hexopyranose. <i>Biochemistry</i> , 1994 , 33, 1930-7	3.2	19
48	Extra Virgin Olive Oil Reduced Polyunsaturated Fatty Acid and Cholesterol Oxidation in Rodent Liver: Is This Accounted for Hydroxytyrosol-Fatty Acid Conjugation?. <i>Chemical Research in Toxicology</i> , 2016 , 29, 1689-1698	4	19
47	New Lipophenol Antioxidants Reduce Oxidative Damage in Retina Pigment Epithelial Cells. <i>Antioxidants</i> , 2018 , 7,	7.1	19
46	Fungal enzymic activity degrading 1,4- β -d-glucans to echinosporin (5-epipentenomycin I). <i>Phytochemistry</i> , 1991 , 30, 1419-1423	4	18
45	Isoprostanoïds quantitative profiling of marine red and brown macroalgae. <i>Food Chemistry</i> , 2018 , 268, 452-462	8.5	17
44	Deuterium labeled procyanidin syntheses. <i>Tetrahedron Letters</i> , 1997 , 38, 5639-5642	2	17

43	Methods in synthesis of flavonoids.. <i>Tetrahedron Letters</i> , 2000 , 41, 9049-9051	2	16
42	Phlliceroside, the first natural bis-furanone propane derivative from juniperus phllicia L.. <i>Tetrahedron Letters</i> , 1996 , 37, 2955-2958	2	15
41	Synthesis and binding affinities of a series of 1,2-benzisoxazole-3-carboxamides to dopamine and serotonin receptors. <i>European Journal of Medicinal Chemistry</i> , 1996 , 31, 957-964	6.8	15
40	An enantioselective access to the (R)-tubotaiwine skeleton. <i>Tetrahedron Letters</i> , 1987 , 28, 3573-3576	2	15
39	(2-Arylhyaazonomethyl)-substituted xanthenes as antimycotics: synthesis and fungistatic activity against <i>Candida</i> species. <i>European Journal of Medicinal Chemistry</i> , 2002 , 37, 237-53	6.8	14
38	Methods in synthesis of flavonoids. Part 3: Molybdenum(IV)-catalyzed coupling of cinnamyl alcohols to phenol derivatives. <i>Tetrahedron Letters</i> , 2002 , 43, 2675-2678	2	14
37	Two furanone glucoside derivatives from <i>Juniperus phllicia</i> . <i>Phytochemistry</i> , 1996 , 41, 1329-1332	4	14
36	Depresteroside, a mixed iridoid-secoiridoid structure from <i>Gentiana depressa</i> . <i>Phytochemistry</i> , 1994 , 36, 377-382	4	14
35	A model for the construction of rings I to V of strychnine.. <i>Tetrahedron Letters</i> , 1987 , 28, 1267-1270	2	13
34	Phloroglucinol protects retinal pigment epithelium and photoreceptor against all-trans-retinal-induced toxicity and inhibits A2E formation. <i>Journal of Cellular and Molecular Medicine</i> , 2016 , 20, 1651-63	5.6	12
33	Identification and quantification of phytoprostanes and phytofurans of coffee and cocoa by- and co-products. <i>Food and Function</i> , 2019 , 10, 6882-6891	6.1	10
32	A Huge PVDF Adsorption Difference Between Resveratrol and Pterin Allows to Quantitatively Purify Them and to Assess Their Anti-Tyrosinase Property. <i>Chromatographia</i> , 2014 , 77, 957-961	2.1	10
31	Stereochemistry of the reaction catalysed by 2-aminoethylphosphonate aminotransferase. A 1H-NMR study. <i>FEBS Journal</i> , 1993 , 215, 841-4		10
30	New lipophenols prevent carbonyl and oxidative stresses involved in macular degeneration. <i>Free Radical Biology and Medicine</i> , 2021 , 162, 367-382	7.8	10
29	Effects of Cyclic Fatty Acid Monomers from Heated Vegetable Oil on Markers of Inflammation and Oxidative Stress in Male Wistar Rats. <i>Journal of Agricultural and Food Chemistry</i> , 2018 , 66, 7172-7180	5.7	9
28	Rearrangements en milieu acide trifluoroacétique de deux alcaloïdes indoliques: la desformocorymine et la dihydrocorymine. <i>Helvetica Chimica Acta</i> , 1983 , 66, 2414-2430	2	9
27	Methyleneindolines, indolenines, and indoleniniums. 19. A new entry into the hexahydropyrrolidino[2,3-d]carbazole system. <i>Journal of Organic Chemistry</i> , 1984 , 49, 3230-3231	4.2	9
26	Isoprostanoid Profiling of Marine Microalgae. <i>Biomolecules</i> , 2020 , 10,	5.9	9

25	Isopropyl-phloroglucinol-DHA protects outer retinal cells against lethal dose of all-trans-retinal. <i>Journal of Cellular and Molecular Medicine</i> , 2020 , 24, 5057-5069	5.6	8
24	Structure of a novel glycopeptidolipid antigen containing a O-methylated serine isolated from <i>Mycobacterium xenopi</i> . Complete 1H-NMR and 13C-NMR assignment. <i>FEBS Journal</i> , 1993 , 214, 395-403		8
23	An enantioselective entry into the strychnos alkaloid skeleton. <i>Tetrahedron Letters</i> , 1987 , 28, 1271-1274		8
22	Alcaloides des feuilles de <i>L'Hunteria elliotii</i> . <i>Phytochemistry</i> , 1978 , 17, 167-169	4	8
21	Two bis-indole alkaloids from leaves of <i>Ervatamia polyneura</i> . <i>Phytochemistry</i> , 1995 , 40, 953-959	4	7
20	First symmetrical bicyclo[6.6.0]tetradecane resveratrol tetramer from stalks of <i>Vitis vinifera</i> (Vitaceae). <i>Tetrahedron Letters</i> , 1996 , 37, 4697-4700	2	7
19	La lancōmigine, alcaloïde d'un type nouveau. <i>Tetrahedron Letters</i> , 1981 , 22, 2871-2874	2	7
18	Total Syntheses of Two bis-Allylic-Deuterated DHA Analogues. <i>Asian Journal of Organic Chemistry</i> , 2017 , 6, 322-334	3	6
17	Preclinical pharmacology of a lipophenol in a mouse model of light-induced retinopathy. <i>Experimental and Molecular Medicine</i> , 2020 , 52, 1090-1101	12.8	6
16	New entries into the indolizino[8,7-b]indole ring system. <i>Tetrahedron</i> , 1999 , 55, 9817-9828	2.4	6
15	Photochemical studies on a phenolic phenylcoumarone lignin model molecule in relation to the photodegradation of lignocellulosic materials. Part 1. Structure of the photoproducts. <i>Research on Chemical Intermediates</i> , 1995 , 21, 223-245	2.8	6
14	New biologically active pectinoacetal-related sterols from the gorgonian <i>Ctenocella</i> sp.. <i>Tetrahedron Letters</i> , 1996 , 37, 2959-2962	2	6
13	Unexpected [3 + 2] cycloaddition between ethyl β -(N,N-dimethylamino)pentadienoate and acrylonitrile. <i>Tetrahedron Letters</i> , 1994 , 35, 1981-1984	2	6
12	Bacterial conversion of the fungal ascopyrone T to 2(S)-dihydroascopyrone T (haliclونol). <i>Phytochemistry</i> , 1994 , 36, 849-852	4	6
11	Resveratrol-Linoleate protects from exacerbated endothelial permeability via a drastic inhibition of the MMP-9 activity. <i>Bioscience Reports</i> , 2018 , 38,	4.1	6
10	Total synthesis of asymmetric flavonoids: the development and applications of 13C-labelling. <i>Comptes Rendus Chimie</i> , 2002 , 5, 577-590	2.7	5
9	Photochemical studies on a phenolic phenylcoumarone lignin model molecule in relation to the photodegradation of lignocellulosic materials. Part 2. Photophysical and photochemical studies. <i>Research on Chemical Intermediates</i> , 1995 , 21, 247-262	2.8	5
8	Bis-allylic Deuterated DHA Alleviates Oxidative Stress in Retinal Epithelial Cells. <i>Antioxidants</i> , 2019 , 8,	7.1	4

7	Synthesis, structural characterization and thromboxane A2 receptor antagonistic activity of 3-substituted 2-[(arylsulfonyl)imino]-2,3-dihydrothiazolyl derivatives. <i>European Journal of Medicinal Chemistry</i> , 1999 , 34, 311-328	6.8	3
6	Platelet antiaggregant methoxyphenylthienyl ketoxime ethers: synthesis and structure-activity relationships. <i>Archiv Der Pharmazie</i> , 1995 , 328, 417-24	4.3	3
5	Characterization and modulation of brain lipids content of rainbow trout fed with 100% plant based diet rich in omega-3 long chain polyunsaturated fatty acids DHA and EPA. <i>Biochimie</i> , 2020 , 178, 137-147	4.6	3
4	Phenols as C- and O-Nucleophiles in Palladium-Catalysed Allylic Substitutions 1999 , 1999, 2231		3
3	Signature biologique du dopage : un avenir pour la dÉlection?. <i>Science and Sports</i> , 2005 , 20, 222-225	0.8	2
2	Sulfur Dioxide Decolorization or Resistance of Anthocyanins: NMR Structural Elucidation of Bisulfite-Adducts 1999 , 779-790		1
1	Phytosteranes from Date Palm Fruit and Byproducts: Five Different Varieties Grown in Two Different Locations As Potential sources. <i>Journal of Agricultural and Food Chemistry</i> , 2021 , 69, 13754-13761	5.7	1