Pascal Richomme

List of Publications by Year
in descending order

118	3,143	136950	197818
papers	citations	32 h-index	49 g-index

118	118	118	4078
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Effect of Chain Extension on the Electrochemical and Electronic Properties of Ï€-Conjugated Soluble Thienylenevinylene Oligomers. Journal of the American Chemical Society, 1997, 119, 10774-10784.	13.7	133
2	Tetrathiafulvalene Crowns: Redox-Switchable Ligands. Chemistry - A European Journal, 2001, 7, 447-455.	3.3	102
3	Antimalarial xanthones from Calophyllum caledonicum and Garcinia vieillardii. Life Sciences, 2004, 75, 3077-3085.	4.3	95
4	Synthesis of Oligothiophene-Bridged Bisporphyrins and Study of the Linkage Dependence of the Electronic Coupling. Chemistry - A European Journal, 2002, 8, 3027.	3.3	94
5	Dihydrochalcones: Implication in resistance to oxidative stress and bioactivities against advanced glycation end-products and vasoconstriction. Phytochemistry, 2010, 71, 443-452.	2.9	89
6	Tuning a 96-Well Microtiter Plate Fluorescence-Based Assay to Identify AGE Inhibitors in Crude Plant Extracts. Molecules, 2013, 18, 14320-14339.	3.8	89
7	Novel Cytotoxic 4-Phenylfuranocoumarins fromCalophyllumdispar. Journal of Natural Products, 2001, 64, 563-568.	3.0	83
8	Crown-Annelated Oligothiophenes as Model Compounds for Molecular Actuation. Journal of the American Chemical Society, 2003, 125, 1363-1370.	13.7	74
9	Effect of Local Molecular Structure on the Chain-Length Dependence of the Electronic Properties of Thiophene-Based Ï€-Conjugated Systems. Journal of Organic Chemistry, 2003, 68, 7254-7265.	3.2	72
10	Cytotoxic coumarins from Calophyllum dispar. Phytochemistry, 2001, 58, 571-575.	2.9	71
11	Antioxidant Xanthones fromGarcinia vieillardii. Journal of Natural Products, 2004, 67, 707-709.	3.0	69
12	Photomechanical Actuation and Manipulation of the Electronic Properties of Linear Ï€-Conjugated Systems. Journal of the American Chemical Society, 2003, 125, 2888-2889.	13.7	61
13	Antileishmanial and antifungal activities of xanthanolides isolated from Xanthium macrocarpum. FÃ¬toterapÃ¬Â¢, 2005, 76, 363-366.	2.2	60
14	The first evidence for the generation of radicals and formation of electrically conducting molecular materials by protic doping of tetrathiafulvalenes. Advanced Materials, 1994, 6, 298-300.	21.0	59
15	Chemical Composition, Antioxidant and Anti-AGEs Activities of a French Poplar Type Propolis. Journal of Agricultural and Food Chemistry, 2014, 62, 1344-1351.	5.2	59
16	Structureâ€“activity relationship of natural and synthetic coumarins inhibiting the multidrug transporter P-glycoprotein. Bioorganic and Medicinal Chemistry, 2006, 14, 6979-6987.	3.0	54
17	Prenylated xanthones and tocotrienols from Garcinia virgata. Phytochemistry, 2004, 65, 2915-2920.	2.9	53
18	Four New Crinine-Type Alkaloids from Sternbergia Species. Journal of Natural Products, 1989, 52, 785-791.	3.0	51

#	Article	IF	Citations
19	Bioguided fractionation and isolation of natural inhibitors of advanced glycation end-products (AGEs) from Calophyllum flavoramulum. Phytochemistry, 2012, 78, 98-106.	2.9	51
20	Matrix-Free UV-Laser Desorption Ionization Mass Spectrometry as a Versatile Approach for Accelerating Dereplication Studies on Lichens. Analytical Chemistry, 2015, 87, 10421-10428.	6.5	50
21	Aryl-2 et alkyl-2 quinolÃ©ines nouvelles isolÃ©es d'une RutacÃ©e bolivienne: Galipealongiflora. Canadian Journal of Chemistry, 1989, 67, 2116-2118.	1.1	48
22	From apple to applesauce: Processing effects on dietary fibres and cell wall polysaccharides. Food Chemistry, 2009, 117, 254-260.	8.2	48
23	Electroregulated Metal-Binding with a Crown Ether Tetrathiafulvalene Derivative:Â Toward Electrochemically Addressed Metal Cation Sponges. Inorganic Chemistry, 1999, 38, 6096-6100.	4.0	46
24	6-Acylcoumarins from Mesua racemosa. Phytochemistry, 1999, 50, 1243-1247.	2.9	43
25	Synthesis of 2-hydroxy-3-methylbut-3-enyl substituted coumarins and xanthones as natural products. Application of the Schenck ene reaction of singlet oxygen with ortho-prenylphenol precursors. Tetrahedron, 2004, 60, 2293-2300.	1.9	40
26	Hydroxamate siderophores of Scedosporium apiospermum. BioMetals, 2009, 22, 1019-1029.	4.1	40
27	New Xanthones fromCalophyllum caledonicum. Journal of Natural Products, 2000, 63, 1471-1474.	3.0	39
28	Detailed Physicochemical Characterization of the 2S Storage Protein from Rape (Brassica napusL.). Journal of Agricultural and Food Chemistry, 2004, 52, 5995-6001.	5.2	38
29	Inhibitory effects of the carrot metabolites 6-methoxymellein and falcarindiol on development of the fungal leaf blight pathogen Alternaria dauci. Physiological and Molecular Plant Pathology, 2012, 80, 58-67.	2.5	35
30	Regioselectivity in the ene reaction of singlet oxygen with ortho-prenylphenol derivatives. Tetrahedron, 2003, 59, 5091-5104.	1.9	34
31	Automating a 96-well microtiter plate assay for identification of AGEs inhibitors or inducers: application to the screening of a small natural compounds library. Analytical and Bioanalytical Chemistry, 2010, 398, 1747-1758.	3.7	34
32	Photomechanical Control of the Electronic Properties of Linearï€-Conjugated Systems. Chemistry - A European Journal, 2003, 9, 5297-5306.	3.3	33
33	Comparison of Two Methods, UHPLC-UV and UHPLC-MS/MS, for the Quantification of Polyphenols in Cider Apple Juices. Molecules, 2013, 18, 10213-10227.	3.8	33
34	Multi-grams scale purification of xanthanolides from Xanthium macrocarpum. Journal of Chromatography A, 2007, 1151, 14-19.	3.7	32
35	A Novel Leishmanicidal Labdane fromPolyalthia macropoda. Planta Medica, 1991, 57, 552-554.	1.3	31
36	Tirucallane triterpenes from the stem bark of Aglaia leucophylla. Phytochemistry, 1995, 40, 1485-1487.	2.9	31

#	Article	IF	Citations
37	Antileishmanial polyphenols from Garcinia vieillardii. FÃ¬toterapÃ¬Ã¢, 2008, 79, 42-46.	2.2	31
38	Role of mannitol metabolism in the pathogenicity of the necrotrophic fungus Alternaria brassicicola. Frontiers in Plant Science, 2013, 4, 131.	3.6	31
39	Absolute Configuration of Mycosporine-Like Amino Acids, Their Wound Healing Properties and In Vitro Anti-Aging Effects. Marine Drugs, 2020, 18, 35.	4.6	30
40	Functionalization of the cyclodextrin platform with tetrathiafulvalene units: an efficient access towards redox active Langmuirâ€“Blodgett films. Journal of Materials Chemistry, 1997, 7, 2393-2396.	6.7	29
41	Aza-Crown Tetrathiafulvalene Derivatives: Synthesis, X-ray Structure, and Metal Complexation Study. European Journal of Organic Chemistry, 1998, 1998, 1861-1865.	2.4	27
42	MixONat, a Software for the Dereplication of Mixtures Based on ¹³C NMR Spectroscopy. Analytical Chemistry, 2020, 92, 8793-8801.	6.5	27
43	Extended hybrid tetrathiafulvalene Ï€-donors with oligothienylenevinylene conjugated spacer groups. Advanced Materials, 1995, 7, 390-394.	21.0	26
44	Heimiol A, a new dimeric stilbenoid from Neobalanocarpus heimii. Tetrahedron Letters, 2001, 42, 4895-4897.	1.4	26
45	Nouveaux alcaloÃ¯des isoquinolÃ©iques isolÃ©s d'une Lauraceae bolivienne: Aniba canelilla H.B.K.. Canadian Journal of Chemistry, 1993, 71, 1128-1135.	1.1	25
46	Electrolytic electrospray ionization mass spectrometry of C60-TTF-C60 derivatives: high-resolution mass measurement and molecular ion gas-phase reactivity. Rapid Communications in Mass Spectrometry, 2001, 15, 1708-1712.	1.5	25
47	New and Antifungal Xanthones from Calophyllum caledonicum. Planta Medica, 2002, 68, 41-44.	1.3	25
48	Antiâ€AGE activity of poplarâ€type propolis: mechanism of action of main phenolic compounds. International Journal of Food Science and Technology, 2020, 55, 453-460.	2.7	25
49	New cytotoxic guttiferone analogues from Garcinia virgata from New Caledonia. Planta Medica, 2006, 72, 87-9.	1.3	24
50	Isoquinolines from the Roots of Thalictrum flavum L. and Their Evaluation as Antiparasitic Compounds. Molecules, 2010, 15, 6476-6484.	3.8	23
51	(--)-Siculinine: A Lycorine-Type Alkaloid from Sternbergia sicula. Journal of Natural Products, 1989, 52, 1150-1152.	3.0	22
52	Investigation of the Antifungal Activity of Caledonixanthone E and Other Xanthones AgainstAspergillus fumigatus. Planta Medica, 2004, 70, 569-571.	1.3	21
53	Potential of extracts from Saponaria officinalis and Calendula officinalis to modulate in vitro rumen fermentation with respect to their content in saponins. Bioscience, Biotechnology and Biochemistry, 2014, 78, 288-295.	1.3	21
54	Anti-Advanced glycation end-product and free radical scavenging activity of plants from the yucatecan flora. Pharmacognosy Research (discontinued), 2016, 8, 276.	0.6	20

#	Article	IF	Citations
55	ortho-Prenylphenol photooxygenation as a straightforward access to ortho-(2-hydroxy-3-methylbut-3-enyl)phenols. Tetrahedron Letters, 2000, 41, 4559-4562.	1.4	19
56	Baeckeafrutescens leaf oil from Vietnam: composition and chemical variability. Flavour and Fragrance Journal, 2004, 19, 217-220.	2.6	19
57	A tandem highly stereoselective FeCl3-promoted synthesis of a bisindoline: synthetic utility of radical cations in heterocyclic construction. Tetrahedron, 2004, 60, 11733-11742.	1.9	19
58	Antiangiogenic Tocotrienol Derivatives from Garcinia amplexicaulis. Journal of Natural Products, 2013, 76, 2246-2252.	3.0	19
59	Partial Resistance of Carrot to Alternaria dauci Correlates with In Vitro Cultured Carrot Cell Resistance to Fungal Exudates. PLoS ONE, 2014, 9, e101008.	2.5	19
60	Four New 4-Phenylcoumarins from Calophyllum dispar. Isolation and Hemisynthesis. Heterocycles, 1999, 51, 67.	0.7	18
61	Lepidotol A from Mesua lepidota Inhibits Inflammatory and Immune Mediators in Human Endothelial Cells. Journal of Natural Products, 2015, 78, 2187-2197.	3.0	18
62	13C-NMR dereplication of Garcinia extracts: Predicted chemical shifts as reliable databases. FÃ¬toterapÃ¬Ã¢, 2018, 131, 59-64.	2.2	18
63	Synthesis and Cytokinin Activity of New Zeatin Derivatives. Journal of Agricultural and Food Chemistry, 1998, 46, 1577-1582.	5.2	16
64	Three 1-thio-Î²-d-glucopyranosides from the seeds of Afrostyrax lepidophyllus Mildbr.. Carbohydrate Research, 2006, 341, 2799-2802.	2.3	16
65	Preparative Isolation, Fast Centrifugal Partition Chromatography Purification and Biological Activity of Cajaflavanone from Derris ferruginea Stems. Phytochemical Analysis, 2012, 23, 152-158.	2.4	16
66	Monitoring the Secretory Behavior of the Rat Adrenal Medulla by High-Performance Liquid Chromatography-Based Catecholamine Assay from Slice Supernatants. Frontiers in Endocrinology, 2017, 8, 248.	3.5	16
67	Thirteen New Xanthone Derivatives from Calophyllum caledonicum (Clusiaceae). Molecules, 2002, 7, 38-50.	3.8	15
68	Anti-AGEs and antiparasitic activity of an original prenylated isoflavonoid and flavanones isolated from Derris ferruginea. Phytochemistry Letters, 2013, 6, 498-503.	1.2	14
69	Advanced glycation inhibition and protection against endothelial dysfunction induced by coumarins and procyanidins from Mammea neurophylla. FÃ¬toterapÃ¬Ã¢, 2014, 96, 65-75.	2.2	14
70	A tocotrienol series with an oxidative terminal prenyl unit from Garcinia amplexicaulis. Phytochemistry, 2015, 109, 103-110.	2.9	14
71	New Hydroxylated Spermidine Alkaloids fromPleurostylia opposita(WALL.) MERILL-METCALF. Helvetica Chimica Acta, 1992, 75, 2283-2288.	1.6	13
72	Aldaulactone â€“ An Original Phytotoxic Secondary Metabolite Involved in the Aggressiveness of Alternaria dauci on Carrot. Frontiers in Plant Science, 2018, 9, 502.	3.6	13

#	Article	IF	Citations
73	Botanical origin of triterpenoids from Yucatecan propolis. Phytochemistry Letters, 2019, 29, 25-29.	1.2	13
74	Secotirucallane triterpenes from the stem bark of Aglaia leucophylla. Phytochemistry, 1994, 37, 1143-1145.	2.9	12
75	Prenylated Polyphenols from Clusiaceae and Calophyllaceae with Immunomodulatory Activity on Endothelial Cells. PLoS ONE, 2016, 11, e0167361.	2.5	12
76	Matrix-Free Laser Desorption Ionization Mass Spectrometry as an Efficient Tool for the Rapid Detection of Opiates in Crude Extracts of Papaver somniferum. Journal of Agricultural and Food Chemistry, 2020, 68, 884-891.	5.2	12
77	Paradoxical effects of polyphenolic compounds from Clusiaceae on angiogenesis. Biochemical Pharmacology, 2012, 83, 514-523.	4.4	11
78	Secondary metabolites from lichen as potent inhibitors of advanced glycation end products and vasodilative agents. FÃ¬toterapÃ¬Ã¢, 2018, 131, 182-188.	2.2	11
79	Matrix-free laser desorption ionization mass spectrometry as a functional tool for the analysis and differentiation of complex phenolic mixtures in propolis: a new approach to quality control. Analytical and Bioanalytical Chemistry, 2018, 410, 6187-6195.	3.7	11
80	Electrolytic electrospray ionization mass spectrometry of quaterthiophene-bridged bisporphyrins: beyond the identification tool. Journal of Mass Spectrometry, 2005, 40, 628-635.	1.6	10
81	Dereplication of Mammea neurophylla metabolites to isolate original 4-phenylcoumarins. Phytochemistry Letters, 2015, 11, 61-68.	1.2	10
82	Targeting MHC Regulation Using Polycyclic Polyprenylated Acylphloroglucinols Isolated from Garcinia bancana. Biomolecules, 2020, 10, 1266.	4.0	10
83	A timolol prodrug for improved ocular delivery: Synthesis, conformational study and hydrolysis of palmitoyl timolol malonate. International Journal of Pharmaceutics, 1996, 128, 179-188.	5.2	9
84	Fluorescent Self-Assembled Monolayers of Umbelliferone: A Relationship between Contact Angle and Fluorescence. Langmuir, 2013, 29, 10423-10431.	3.5	9
85	Efficient Semi-Synthesis of Natural Î´-(R)-Tocotrienols from a Renewable Vegetal Source. Journal of Natural Products, 2019, 82, 51-58.	3.0	9
86	Mycolactone as Analgesic: Subcutaneous Bioavailability Parameters. Frontiers in Pharmacology, 2019, 10, 378.	3.5	9
87	Structure-based design, semi-synthesis and anti-inflammatory activity of tocotrienolic amides as 5-lipoxygenase inhibitors. European Journal of Medicinal Chemistry, 2020, 202, 112518.	5.5	9
88	A lanostane aldehyde from Momordica charantia. Phytochemistry Letters, 2012, 5, 682-684.	1.2	8
89	Unusual chemical composition of a Mexican propolis collected in Quintana Roo, Mexico. Journal of Apicultural Research, 2015, 54, 350-357.	1.5	8
90	(-)-Temuconine, a New Bisbenzylisoquinoline Alkaloid from Aristolochia elegans. Journal of Natural Products, 1989, 52, 1374-1375.	3.0	7

#	Article	IF	Citations
91	Photolysis of 2â€azidopyridines. the behavior of 1â€(2â€azidoâ€6â€chloropyridâ€4â€yl)â€3â€phenylurea, a photoaffinity labeling reagent for probing cytokininâ€binding proteins. Journal of Heterocyclic Chemistry, 1996, 33, 1035-1039.	2.6	7
92	Synthesis of the trans-fusarinine scaffold. Tetrahedron Letters, 2010, 51, 2119-2122.	1.4	7
93	Sesquiterpene lactones from Centaurea tougourensis. Biochemical Systematics and Ecology, 2012, 43, 163-165.	1.3	7
94	Identification of Minor Benzoylated 4-Phenylcoumarins from a Mammea neurophylla Bark Extract. Molecules, 2015, 20, 17735-17746.	3.8	7
95	Efficient ortho-formylation in vitamin E series, application to the semi-synthesis of natural 5- and 7-formyl-Î´-tocotrienols revealing an unprecedented 5-bromo-7-formyl exchange. Tetrahedron, 2017, 73, 6863-6870.	1.9	7
96	The inherent matrix properties of lichen metabolites in matrixâ€assisted laser desorption ionization timeâ€ofâ€flight mass spectrometry. Rapid Communications in Mass Spectrometry, 2017, 31, 1993-2002.	1.5	7
97	Using ¹³Câ€NMR dereplication to aid in the identification of xanthones present in the stem bark extract of <scp>Calophyllum brasiliense</scp>. Phytochemical Analysis, 2021, 32, 1102-1109.	2.4	7
98	Exploration of Long-Chain Vitamin E Metabolites for the Discovery of a Highly Potent, Orally Effective, and Metabolically Stable 5-LOX Inhibitor that Limits Inflammation. Journal of Medicinal Chemistry, 2021, 64, 11496-11526.	6.4	7
99	Covalent association of polyaza macrocyclic units to the electroactive tetrathiafulvalene moiety: synthesis and structural analysis. Comptes Rendus Chimie, 2003, 6, 573-580.	0.5	6
100	Selective detection of alkaloids in MALDI-TOF: the introduction of a novel matrix molecule. Analytical and Bioanalytical Chemistry, 2012, 403, 1697-1705.	3.7	6
101	Coumarins, Xanthones and Related Compounds. Molecules, 2016, 21, 341.	3.8	6
102	Combined anti-ages and antioxidant activities of different solvent extracts of Solanum elaeagnifolium Cav (Solanacea) fruits during ripening and related to their phytochemical compositions. EXCLI Journal, 2014, 13, 1029-42.	0.7	6
103	Triazolobithiophene Light Absorbing Self-Assembled Monolayers: Synthesis and Mass Spectrometry Applications. Molecules, 2011, 16, 8758-8774.	3.8	5
104	Free and immobilized matrix molecules: impairing ionization by quenching secondary ion formation in laser desorption MS. Journal of Mass Spectrometry, 2011, 46, 884-890.	1.6	5
105	Mammea-type coumarins from Mammea usambarensis Verdc.. Biochemical Systematics and Ecology, 2014, 56, 65-67.	1.3	5
106	Additional Insights into Hypericum perforatum Content: Isolation, Total Synthesis, and Absolute Configuration of Hyperbiphenyls A and B from Immunomodulatory Root Extracts. Journal of Natural Products, 2018, 81, 1850-1859.	3.0	5
107	Usnic acid and its versatility as MALDI matrix. Journal of Mass Spectrometry, 2015, 50, 270-274.	1.6	4
108	Concise semisynthesis of novel phenazine-vitamin E hybrids via regioselective tocopheryl ortho -quinone formation. Tetrahedron Letters, 2018, 59, 2627-2630.	1.4	4

#	Article	IF	Citations
109	A thorough evaluation of matrix-free laser desorption ionization on structurally diverse alkaloids and their direct detection in plant extracts. Analytical and Bioanalytical Chemistry, 2020, 412, 7405-7416.	3.7	4
110	Semisynthetic Vitamin E Derivatives as Potent Antibacterial Agents against Resistant Gramâ€Positive Pathogens. ChemMedChem, 2021, 16, 881-890.	3.2	4
111	Toxicity and mode of action of the aporphine plant alkaloid liriodenine on the insect GABA receptor. Toxicon, 2021, 201, 141-147.	1.6	4
112	Polyphenolic Compounds with Anti-Ages Activity from Three Clusiaceae Plants. European Journal of Medicinal Plants, 2014, 4, 1336-1344.	0.5	4
113	New Gastroprotective Labdeneamides from (4S,9R,10R) Methyl 18-carboxy-labda-8,13(E)-diene-15-oate. Planta Medica, 2012, 78, 362-367.	1.3	3
114	Normal phase HPLC-based activity profiling of non-polar crude plant extracts â€“ acetylcholinesterase inhibiting guttiferones from Montrouziera cauliflora as a case study. Natural Product Research, 2016, 30, 2754-2759.	1.8	3
115	Bithiophenic MALDI matrices as valuable leads for the selective detection of alkaloids. Analytical and Bioanalytical Chemistry, 2017, 409, 6791-6801.	3.7	3
116	Synthesis and evaluation of naphthoic acid derivatives as fluorescent probes to screen advanced glycation end-products breakers. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6716-6720.	2.2	2
117	Complexes of thiophene-2,3-dicarboxaldehyde bis(oxime) (2,3BTCOH2) with nickel(II) and copper(II): Synthesis, characterization, crystal structure of 2,3BTCOH2. Rearrangement reaction with nickel(II) bromide. Inorganica Chimica Acta, 2012, 392, 433-439.	2.4	0
118	Clusia suborbicularis is not a synonym of Clusia flava : Molecular and metabolomic evidence. Taxon, 2021, 70, 1229.	0.7	0