Alberto Minassi

List of Publications by Year
in descending order

107 papers	5,401 citations	81900 39 h-index	85541 71 g-index
113 all docs	113 docs citations	113 times ranked	7614 citing authors

#	Article	IF	Citations
1	Cloning of the first sn1-DAG lipases points to the spatial and temporal regulation of endocannabinoid signaling in the brain. Journal of Cell Biology, 2003, 163, 463-468.	5.2	923
2	Effects of cannabinoids and cannabinoidâ€enriched Cannabis extracts on TRP channels and endocannabinoid metabolic enzymes. British Journal of Pharmacology, 2011, 163, 1479-1494.	5.4	700
3	An NMR Spectroscopic Method to Identify and Classify Thiolâ€Trapping Agents: Revival of Michael Acceptors for Drug Discovery?. Angewandte Chemie - International Edition, 2011, 50, 467-471.	13.8	143
4	Regulation of transient receptor potential channels of melastatin type 8 (TRPM8): Effect of cAMP, cannabinoid CB1 receptors and endovanilloids. Experimental Cell Research, 2007, 313, 1911-1920.	2.6	140
5	Immunosuppressive activity of capsaicinoids: capsiate derived from sweet peppers inhibits NF-Î²B activation and is a potent antiinflammatory compound in vivo. European Journal of Immunology, 2002, 32, 1753.	2.9	129
6	Development of the first potent and specific inhibitors of endocannabinoid biosynthesis. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2006, 1761, 205-212.	2.4	118
7	Cannabis Phenolics and their Bioactivities. Current Medicinal Chemistry, 2018, 25, 1160-1185.	2.4	117
8	Clovamide and rosmarinic acid induce neuroprotective effects in in vitro models of neuronal death. British Journal of Pharmacology, 2009, 157, 1072-1084.	5.4	115
9	Noladin ether, a putative novel endocannabinoid: inactivation mechanisms and a sensitive method for its quantification in rat tissues. FEBS Letters, 2002, 513, 294-298.	2.8	104
10	Roasting impact on the contents of clovamide (N-caffeoyl-L-DOPA) and the antioxidant activity of cocoa beans (Theobroma cacao L.). Food Chemistry, 2008, 106, 967-975.	8.2	99
11	Oligomeric Acylphloroglucinols from Myrtle (Myrtus communis). Journal of Natural Products, 2002, 65, 334-338.	3.0	92
12	Chemoselective Esterification of Phenolic Acids and Alcohols. Organic Letters, 2002, 4, 3839-3841.	4.6	91
13	Protective activation of the endocannabinoid system during ischemia in dopamine neurons. Neurobiology of Disease, 2006, 24, 15-27.	4.4	89
14	In vivo estrogenic comparisons of Trifolium pratense (red clover) Humulus lupulus (hops), and the pure compounds isoxanthohumol and 8-prenylnaringenin. Chemico-Biological Interactions, 2008, 176, 30-39.	4.0	78
15	Non-pungent capsaicinoids from sweet pepper. European Journal of Nutrition, 2003, 42, 2-9.	3.9	77
16	Differential effects of phorbol-13-monoesters on human immunodeficiency virus reactivation. Biochemical Pharmacology, 2008, 75, 1370-1380.	4.4	71
17	Development of the First Ultra-Potent â€œCapsaicinoidâ€•Agonist at Transient Receptor Potential Vanilloid Type 1 (TRPV1) Channels and Its Therapeutic Potential. Journal of Pharmacology and Experimental Therapeutics, 2005, 312, 561-570.	2.5	68
18	Modulation of the Transient Receptor Potential Vanilloid Channel TRPV4 by 4Î±-Phorbol Esters: A Structureâ^'Activity Study. Journal of Medicinal Chemistry, 2009, 52, 2933-2939.	6.4	66

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19	The biosynthesis of N-arachidonoyl dopamine (NADA), a putative endocannabinoid and endovanilloid, via conjugation of arachidonic acid with dopamine. Prostaglandins Leukotrienes and Essential Fatty Acids, 2009, 81, 291-301.	2.2	66
20	Halogenation of a capsaicin analogue leads to novel vanilloid TRPV1 receptor antagonists. British Journal of Pharmacology, 2003, 139, 1417-1424.	5.4	63
21	A structureâ€“activity relationship study on N-arachidonoyl-amino acids as possible endogenous inhibitors of fatty acid amide hydrolase. Biochemical and Biophysical Research Communications, 2004, 314, 192-196.	2.1	63
22	Tandem Î²-Alkylationâ^'Î±-Arylation of Amines by Carbolithiation and Rearrangement of N-Carbamoyl Enamines (Vinyl Ureas). Journal of the American Chemical Society, 2010, 132, 6624-6625.	13.7	63
23	Pietro Biginelli: The Man Behind the Reaction. European Journal of Organic Chemistry, 2011, 2011, 5541-5550.	2.4	62
24	Functionalization of Î²-Caryophyllene Generates Novel Polypharmacology in the Endocannabinoid System. ACS Chemical Biology, 2014, 9, 1499-1507.	3.4	62
25	The 1,2,3â€Triazole Ring as a Peptidoâ€•and Olefinomimetic Element: Discovery of Click Vanilloids and Cannabinoids. Angewandte Chemie - International Edition, 2007, 46, 9312-9315.	13.8	61
26	The Taming of Capsaicin. Reversal of the Vanilloid Activity ofN-Acylvanillamines by Aromatic Iodination. Journal of Medicinal Chemistry, 2005, 48, 4663-4669.	6.4	60
27	Carbamoyl tetrazoles as inhibitors of endocannabinoid inactivation: A critical revisitation. European Journal of Medicinal Chemistry, 2008, 43, 62-72.	5.5	59
28	N-Acylvanillamides:â€‰ Development of an Expeditious Synthesis and Discovery of New Acyl Templates for Powerful Activation of the Vanilloid Receptor. Journal of Medicinal Chemistry, 2002, 45, 3739-3745.	6.4	57
29	Recreational drug discovery: natural products as lead structures for the synthesis of smart drugs. Natural Product Reports, 2014, 31, 880.	10.3	55
30	SAR Studies on Curcuminâ€™s Pro-inflammatory Targets: Discovery of Prenylated Pyrazolocurcuminoids as Potent and Selective Novel Inhibitors of 5-Lipoxygenase. Journal of Medicinal Chemistry, 2014, 57, 5638-5648.	6.4	53
31	Cerium(III) chloride-promoted chemoselective esterification of phenolic alcohols. Tetrahedron Letters, 2005, 46, 2193-2196.	1.4	51
32	Ischemic Neuroprotection by TRPV1 Receptor-Induced Hypothermia. Journal of Cerebral Blood Flow and Metabolism, 2012, 32, 978-982.	4.3	51
33	Targeting oncogenic serine/threonine-protein kinase BRAF in cancer cells inhibits angiogenesis and abrogates hypoxia. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E353-9.	7.1	51
34	Antimicrobial Phenolics and Unusual Glycerides from Helichrysum italicum subsp. microphyllum. Journal of Natural Products, 2013, 76, 346-353.	3.0	49
35	Anti-inflammatory and vascularprotective properties of 8-prenylapigenin. European Journal of Pharmacology, 2009, 620, 120-130.	3.5	48
36	Involvement of Reactive Oxygen Species in Capsaicinoid-induced Apoptosis in Transformed Cells. Free Radical Research, 2003, 37, 611-619.	3.3	46

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37	The Role of Natural Products in the Ligand Deorphanization of TRP Channels. Current Pharmaceutical Design, 2008, 14, 2-17.	1.9	46
38	Dissecting the Pharmacophore of Curcumin. Which Structural Element Is Critical for Which Action?. Journal of Natural Products, 2013, 76, 1105-1112.	3.0	46
39	Amines Bearing Tertiary Substituents by Tandem Enantioselective Carbolithiationâ€“Rearrangement of Vinylureas. Organic Letters, 2013, 15, 34-37.	4.6	42
40	Umbellulone modulates TRP channels. Pflugers Archiv European Journal of Physiology, 2011, 462, 861-870.	2.8	40
41	8-Prenylnaringenin, inhibits estrogen receptor-Î± mediated cell growth and induces apoptosis in MCF-7 breast cancer cells. Journal of Steroid Biochemistry and Molecular Biology, 2007, 107, 140-148.	2.5	39
42	Palmitoylethanolamide counteracts substance P-induced mast cell activation in vitro by stimulating diacylglycerol lipase activity. Journal of Neuroinflammation, 2019, 16, 274.	7.2	39
43	A Regiodivergent Synthesis of Ring A C-Prenylflavones. Organic Letters, 2008, 10, 2267-2270.	4.6	33
44	Effects of curcumin and curcumin analogues on TRP channels. FÃ¬toterapÃ¬Ã¢, 2017, 122, 126-131.	2.2	31
45	Neuroactive and Anti-inflammatory Frankincense Cembranes: A Structureâ€“Activity Study. Journal of Natural Products, 2016, 79, 1762-1768.	3.0	30
46	An expeditious hydroxyamidation of carboxylic acids. Tetrahedron Letters, 2005, 46, 5113-5115.	1.4	29
47	A Multicomponent Carbaâ€Betti Strategy to Alkylidene Heterodimers â€“ Total Synthesis and Structureâ€“Activity Relationships of Arzanol. European Journal of Organic Chemistry, 2012, 2012, 772-779.	2.4	27
48	First â€œhybridâ€•ligands of vanilloid TRPV1 and cannabinoid CB2receptors and non-polyunsaturated fatty acid-derived CB2-selective ligands. FEBS Letters, 2006, 580, 568-574.	2.8	26
49	Moringin, A Stable Isothiocyanate from Moringa oleifera, Activates the Somatosensory and Pain Receptor TRPA1 Channel In Vitro. Molecules, 2020, 25, 976.	3.8	26
50	A multicomponent synthesis of gem-(Î²-dicarbonyl)arylmethanes. Tetrahedron Letters, 2009, 50, 5559-5561.	1.4	25
51	Geometry-Selective Synthesis of E or Z N-Vinyl Ureas (N-Carbamoyl) Tj ETQq1 1 0.784314 rgBT /Overlock	4.6	25
52	One-Pot Total Synthesis of Cannabinol via Iodine-Mediated Deconstructive Annulation. Organic Letters, 2019, 21, 6122-6125.	4.6	25
53	Sesquiterpenoids from Common Ragweed (Ambrosia artemisiifolia L.), an Invasive Biological Polluter. European Journal of Organic Chemistry, 2012, 2012, 5162-5170.	2.4	24
54	Oxyhomologation of the Amide Bond Potentiates Neuroprotective Effects of the Endolipid N-Palmitoylethanolamine. Journal of Pharmacology and Experimental Therapeutics, 2007, 320, 599-606.	2.5	23

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55	Triazole-curcuminoids: A new class of derivatives for â€˜tuningâ€™ curcumin bioactivities?. Bioorganic and Medicinal Chemistry, 2016, 24, 140-152.	3.0	22
56	Cannabichromene. Natural Product Communications, 2018, 13, 1934578X1801300.	0.5	21
57	Betulinic acid hydroxamate prevents colonic inflammation and fibrosis in murine models of inflammatory bowel disease. Acta Pharmacologica Sinica, 2021, 42, 1124-1138.	6.1	21
58	Oxyhomologues of Anandamide and Related Endolipids:Â Chemoselective Synthesis and Biological Activity. Journal of Medicinal Chemistry, 2006, 49, 2333-2338.	6.4	20
59	Leucettamols, Bifunctionalized Marine Sphingoids, Act as Modulators of TRPA1 and TRPM8 Channels. Marine Drugs, 2012, 10, 2435-2447.	4.6	19
60	Effect of chirality and lipophilicity in the functional activity of evodiamine and its analogues at <scp>TRPV1</scp> channels. British Journal of Pharmacology, 2014, 171, 2608-2620.	5.4	19
61	Effect of acyclic monoterpene alcohols and their derivatives on TRP channels. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5507-5511.	2.2	19
62	The Thiaâ€Michael Reactivity of Zerumbone and Related Crossâ€Conjugated Dienones: Disentangling Stoichiometry, Regiochemistry, and Addition Mode with an NMRâ€Spectroscopyâ€Based Cysteamine Assay. European Journal of Organic Chemistry, 2015, 2015, 3721-3726.	2.4	19
63	The reaction of cinnamaldehyde and cinnam(o)yl derivatives with thiols. Acta Pharmaceutica Sinica B, 2017, 7, 523-526.	12.0	19
64	Chemoproteomic fishing identifies arzanol as a positive modulator of brain glycogen phosphorylase. Chemical Communications, 2018, 54, 12863-12866.	4.1	19
65	Iodinated N-Acylvanillamines: Potential â€œMultiple-Targetâ€•Anti-Inflammatory Agents Acting via the Inhibition of T-Cell Activation and Antagonism at Vanilloid TRPV1 Channels. Molecular Pharmacology, 2006, 69, 1373-1382.	2.3	18
66	Assay of TRPV1 Receptor Signaling. Methods in Molecular Biology, 2016, 1412, 65-76.	0.9	18
67	Conformationally Constrained Fatty Acid Ethanolamides as Cannabinoid and Vanilloid Receptor Probes. Journal of Medicinal Chemistry, 2009, 52, 3001-3009.	6.4	17
68	Carbonyl Activation in Electrophilic Polyene Cyclizations: A Toolbox for the Design of Isoprenoid Libraries. Angewandte Chemie - International Edition, 2017, 56, 7935-7938.	13.8	17
69	Celecoxib inhibits proliferation and survival of chronic myelogeous leukemia (CML) cells via AMPK-dependent regulation of Î²-catenin and mTORC1/2. Oncotarget, 2016, 7, 81555-81570.	1.8	16
70	Iodine-Promoted Aromatization of p-Menthane-Type Phytocannabinoids. Journal of Natural Products, 2018, 81, 630-633.	3.0	16
71	Flavonoid-induced autophagy in hormone sensitive breast cancer cells. FÃ¬toterapÃ¬Ã¢, 2009, 80, 327-332.	2.2	15
72	Synthesis and tubulin-binding properties of non-symmetrical click C5-curcuminoids. Bioorganic and Medicinal Chemistry, 2013, 21, 5510-5517.	3.0	14

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73	Prenylation preserves antioxidant properties and effect on cell viability of the natural dietary phenol curcumin. Food Research International, 2014, 57, 225-233.	6.2	14
74	Discovery of non-electrophilic capsaicinoid-type TRPA1 ligands. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1009-1011.	2.2	14
75	TRPA1 channels as targets for resveratrol and related stilbenoids. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 899-902.	2.2	14
76	Protective effect and relation structure-activity of nonivamide and iododerivatives in several models of lipid oxidation. Chemico-Biological Interactions, 2009, 180, 183-192.	4.0	13
77	Structureâ€“activity relationships of the ultrapotent vanilloid resiniferatoxin (RTX): The homovanillyl moiety. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 132-135.	2.2	12
78	Homologues and isomers of noladin ether, a putative novel endocannabinoid: interaction with rat cannabinoid CB1 receptors. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 43-46.	2.2	11
79	Elongation of the Hydrophobic Chain as a Molecular Switch: Discovery of Capsaicin Derivatives and Endogenous Lipids as Potent Transient Receptor Potential Vanilloid Channel 2 Antagonists. Journal of Medicinal Chemistry, 2018, 61, 8255-8281.	6.4	11
80	Iodine-mediated cyclization of cannabigerol (CBG) expands the cannabinoid biological and chemical space. Bioorganic and Medicinal Chemistry, 2018, 26, 4532-4536.	3.0	11
81	Synthesis and Biological Evaluation of Phorbol-Resiniferatoxin (RTX) Hybrids. European Journal of Organic Chemistry, 2004, 2004, 3413-3421.	2.4	10
82	Structureâ€“activity relationships of the ultrapotent vanilloid resiniferatoxin (RTX): The side chain benzylic methylene. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 97-99.	2.2	10
83	Triterpenoid Hydroxamates as HIF Prolyl Hydrolase Inhibitors. Journal of Natural Products, 2018, 81, 2235-2243.	3.0	10
84	Electrophilic Triterpenoid Enones: A Comparative Thiol-Trapping and Bioactivity Study. Journal of Natural Products, 2017, 80, 2276-2283.	3.0	9
85	Betulinic Acid Hydroxamate is Neuroprotective and Induces Protein Phosphatase 2A-Dependent HIF-1Î± Stabilization and Post-transcriptional Dephosphorylation of Prolyl Hydrolase 2. Neurotherapeutics, 2021, 18, 1849-1861.	4.4	9
86	Biomimetic Approaches to the Synthesis of Natural Disesquiterpenoids: An Update. Plants, 2021, 10, 677.	3.5	8
87	Synthesis and Evaluation of 14-Nor-A-secotaxoids. European Journal of Organic Chemistry, 2002, 2002, 277-283.	2.4	7
88	2-Amino-4-arylthiazole compounds as TRPA1 antagonists (WO 2012085662): a patent evaluation. Expert Opinion on Therapeutic Patents, 2013, 23, 119-147.	5.0	7
89	Thiol-trapping natural products under the lens of the cysteamine assay: friends, foes, or simply alternatively reversible ligands?. Phytochemistry Reviews, 2020, 19, 1307-1321.	6.5	7
90	Carbolithiation of N-alkenyl ureas and N-alkenyl carbamates. Beilstein Journal of Organic Chemistry, 2013, 9, 628-632.	2.2	6

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91	TRPA1 Modulating C14 Polyacetylenes from the Iranian Endemic Plant Echinophora platyloba. Molecules, 2018, 23, 1750.	3.8	6
92	The SNAP-tag technology revised: an effective chemo-enzymatic approach by using a universal azide-based substrate. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 85-97.	5.2	6
93	Hot Cuisine as a Source of Anti-Inflammatory Drugs. Phytochemistry Reviews, 2005, 4, 3-10.	6.5	5
94	Extracts and compounds active on TRP ion channels from Waldheimia glabra , a ritual medicinal plant from Himalaya. Phytomedicine, 2017, 32, 80-87.	5.3	4
95	Identification of a Strigoterpenoid with Dual Nrf2 and Nf-ÎºB Modulatory Activity. ACS Medicinal Chemistry Letters, 2019, 10, 606-610.	2.8	4
96	Synthesis of colchifulvin, a colchicineâ€“griseofulvin hybrid. Tetrahedron Letters, 2016, 57, 1540-1543.	1.4	3
97	Carbonyl Activation in Electrophilic Polyene Cyclizations: A Toolbox for the Design of Isoprenoid Libraries. Angewandte Chemie, 2017, 129, 8043-8046.	2.0	3
98	The dimerization of Î”9-tetrahydrocannabinolic acid A (THCA-A). Acta Pharmaceutica Sinica B, 2019, 9, 1078-1083.	12.0	3
99	The Combined Effect of Branching and Elongation on the Bioactivity Profile of Phytocannabinoids. Part I: Thermo-TRPs. Biomedicines, 2021, 9, 1070.	3.2	3
100	Pyrazole-Curcumin Suppresses Cardiomyocyte Hypertrophy by Disrupting the CDK9/CyclinT1 Complex. Pharmaceutics, 2022, 14, 1269.	4.5	3
101	Discovery of a Remarkable Methyl Shift Effect in the Vanilloid Activity of Triterpene Amides. Journal of Natural Products, 2020, 83, 3476-3481.	3.0	2
102	Crystal structure of Haemophilus influenzae 3-isopropylmalate dehydrogenase (LeuB) in complex with the inhibitor O-isobutenyl oxalylhydroxamate. Biochemical and Biophysical Research Communications, 2020, 524, 996-1002.	2.1	2
103	Icilio Guareschi and his amazing â€œ1897 reactionâ€• Beilstein Journal of Organic Chemistry, 2021, 17, 1335-1351.	2.2	1
104	Exploring the Universe of Natural Products: Recent Advances in Synthesis, Isolation and Structural Elucidation. Plants, 2021, 10, 2368.	3.5	1
105	Cerium(III) Chloride Promoted Chemoselective Esterification of Phenolic Alcohols.. ChemInform, 2005, 36, no.	0.0	0
106	An Expeditious Hydroxyamidation of Carboxylic Acids.. ChemInform, 2005, 36, no.	0.0	0
107	Bioactive Phloroglucinyl Heterodimers: The Tautomeric and Rotameric Equlibria of Arzanol. European Journal of Organic Chemistry, 2016, 2016, 4810-4816.	2.4	0