

Alberto Minassi

List of Publications by Year in descending order

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107
papers

5,401
citations

81889

39
h-index

85537

71
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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. <i>Journal of Cell Biology</i> , 2003, 163, 463-468.	5.2	923
2	Effects of cannabinoids and cannabinoid-enriched <i>Cannabis</i> extracts on TRP channels and endocannabinoid metabolic enzymes. <i>British Journal of Pharmacology</i> , 2011, 163, 1479-1494.	5.4	700
3	An NMR Spectroscopic Method to Identify and Classify Thiol-Trapping Agents: Revival of Michael Acceptors for Drug Discovery?. <i>Angewandte Chemie - International Edition</i> , 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. <i>Experimental Cell Research</i> , 2007, 313, 1911-1920.	2.6	140
5	Immunosuppressive activity of capsaicinoids: capsiate derived from sweet peppers inhibits NF- κ B activation and is a potent antiinflammatory compound in vivo. <i>European Journal of Immunology</i> , 2002, 32, 1753.	2.9	129
6	Development of the first potent and specific inhibitors of endocannabinoid biosynthesis. <i>Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids</i> , 2006, 1761, 205-212.	2.4	118
7	Cannabis Phenolics and their Bioactivities. <i>Current Medicinal Chemistry</i> , 2018, 25, 1160-1185.	2.4	117
8	Clovamide and rosmarinic acid induce neuroprotective effects in <i>in vitro</i> models of neuronal death. <i>British Journal of Pharmacology</i> , 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. <i>FEBS Letters</i> , 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 (<i>Theobroma cacao</i> L.). <i>Food Chemistry</i> , 2008, 106, 967-975.	8.2	99
11	Oligomeric Acylphloroglucinols from Myrtle (<i>Myrtus communis</i>). <i>Journal of Natural Products</i> , 2002, 65, 334-338.	3.0	92
12	Chemoselective Esterification of Phenolic Acids and Alcohols. <i>Organic Letters</i> , 2002, 4, 3839-3841.	4.6	91
13	Protective activation of the endocannabinoid system during ischemia in dopamine neurons. <i>Neurobiology of Disease</i> , 2006, 24, 15-27.	4.4	89
14	In vivo estrogenic comparisons of <i>Trifolium pratense</i> (red clover) <i>Humulus lupulus</i> (hops), and the pure compounds isoxanthohumol and 8-prenylnaringenin. <i>Chemico-Biological Interactions</i> , 2008, 176, 30-39.	4.0	78
15	Non-pungent capsaicinoids from sweet pepper. <i>European Journal of Nutrition</i> , 2003, 42, 2-9.	3.9	77
16	Differential effects of phorbol-13-monoesters on human immunodeficiency virus reactivation. <i>Biochemical Pharmacology</i> , 2008, 75, 1370-1380.	4.4	71
17	Development of the First Ultra-Potent α -Capsaicinoid-Agonist at Transient Receptor Potential Vanilloid Type 1 (TRPV1) Channels and Its Therapeutic Potential. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2005, 312, 561-570.	2.5	68
18	Modulation of the Transient Receptor Potential Vanilloid Channel TRPV4 by 4 β -Phorbol Esters: A Structure-Activity Study. <i>Journal of Medicinal Chemistry</i> , 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. <i>Prostaglandins Leukotrienes and Essential Fatty Acids</i> , 2009, 81, 291-301.	2.2	66
20	Halogenation of a capsaicin analogue leads to novel vanilloid TRPV1 receptor antagonists. <i>British Journal of Pharmacology</i> , 2003, 139, 1417-1424.	5.4	63
21	A structure-activity relationship study on N-arachidonoyl-amino acids as possible endogenous inhibitors of fatty acid amide hydrolase. <i>Biochemical and Biophysical Research Communications</i> , 2004, 314, 192-196.	2.1	63
22	Tandem β -Alkylation- α -Arylation of Amines by Carbolithiation and Rearrangement of <i>N</i> -Carbamoyl Enamines (Vinyl Ureas). <i>Journal of the American Chemical Society</i> , 2010, 132, 6624-6625.	13.7	63
23	Pietro Biginelli: The Man Behind the Reaction. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 5541-5550.	2.4	62
24	Functionalization of β -Caryophyllene Generates Novel Polypharmacology in the Endocannabinoid System. <i>ACS Chemical Biology</i> , 2014, 9, 1499-1507.	3.4	62
25	The 1,2,3-Triazole Ring as a Peptidic and Olefinomimetic Element: Discovery of Click Vanilloids and Cannabinoids. <i>Angewandte Chemie - International Edition</i> , 2007, 46, 9312-9315.	13.8	61
26	The Taming of Capsaicin. Reversal of the Vanilloid Activity of <i>N</i> -Acylvanillamines by Aromatic Iodination. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 4663-4669.	6.4	60
27	Carbamoyl tetrazoles as inhibitors of endocannabinoid inactivation: A critical revisit. <i>European Journal of Medicinal Chemistry</i> , 2008, 43, 62-72.	5.5	59
28	<i>N</i> -Acylvanillamides: Development of an Expedient Synthesis and Discovery of New Acyl Templates for Powerful Activation of the Vanilloid Receptor. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 3739-3745.	6.4	57
29	Recreational drug discovery: natural products as lead structures for the synthesis of smart drugs. <i>Natural Product Reports</i> , 2014, 31, 880.	10.3	55
30	SAR Studies on Curcumin's Pro-inflammatory Targets: Discovery of Prenylated Pyrazolocurcuminoids as Potent and Selective Novel Inhibitors of 5-Lipoxygenase. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 5638-5648.	6.4	53
31	Cerium(III) chloride-promoted chemoselective esterification of phenolic alcohols. <i>Tetrahedron Letters</i> , 2005, 46, 2193-2196.	1.4	51
32	Ischemic Neuroprotection by TRPV1 Receptor-Induced Hypothermia. <i>Journal of Cerebral Blood Flow and Metabolism</i> , 2012, 32, 978-982.	4.3	51
33	Targeting oncogenic serine/threonine-protein kinase BRAF in cancer cells inhibits angiogenesis and abrogates hypoxia. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, E353-9.	7.1	51
34	Antimicrobial Phenolics and Unusual Glycerides from <i>Helichrysum italicum</i> subsp. <i>microphyllum</i> . <i>Journal of Natural Products</i> , 2013, 76, 346-353.	3.0	49
35	Anti-inflammatory and vascularprotective properties of 8-prenylapigenin. <i>European Journal of Pharmacology</i> , 2009, 620, 120-130.	3.5	48
36	Involvement of Reactive Oxygen Species in Capsaicinoid-induced Apoptosis in Transformed Cells. <i>Free Radical Research</i> , 2003, 37, 611-619.	3.3	46

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37	The Role of Natural Products in the Ligand Deorphanization of TRP Channels. <i>Current Pharmaceutical Design</i> , 2008, 14, 2-17.	1.9	46
38	Dissecting the Pharmacophore of Curcumin. Which Structural Element Is Critical for Which Action?. <i>Journal of Natural Products</i> , 2013, 76, 1105-1112.	3.0	46
39	Amines Bearing Tertiary Substituents by Tandem Enantioselective Carbolithiation-Rearrangement of Vinylureas. <i>Organic Letters</i> , 2013, 15, 34-37.	4.6	42
40	Umbellulone modulates TRP channels. <i>Pflugers Archiv European Journal of Physiology</i> , 2011, 462, 861-870.	2.8	40
41	8-Prenylnaringenin, inhibits estrogen receptor- α mediated cell growth and induces apoptosis in MCF-7 breast cancer cells. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2007, 107, 140-148.	2.5	39
42	Palmitoylethanolamide counteracts substance P-induced mast cell activation in vitro by stimulating diacylglycerol lipase activity. <i>Journal of Neuroinflammation</i> , 2019, 16, 274.	7.2	39
43	A Regiodivergent Synthesis of Ring A C-Prenylflavones. <i>Organic Letters</i> , 2008, 10, 2267-2270.	4.6	33
44	Effects of curcumin and curcumin analogues on TRP channels. <i>FASEB J</i> , 2017, 122, 126-131.	2.2	31
45	Neuroactive and Anti-inflammatory Frankincense Cembranes: A Structure-Activity Study. <i>Journal of Natural Products</i> , 2016, 79, 1762-1768.	3.0	30
46	An expeditious hydroxyamidation of carboxylic acids. <i>Tetrahedron Letters</i> , 2005, 46, 5113-5115.	1.4	29
47	A Multicomponent Carba-Betti Strategy to Alkylidene Heterodimers - Total Synthesis and Structure-Activity Relationships of Arzanol. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 772-779.	2.4	27
48	First hybrid ligands of vanilloid TRPV1 and cannabinoid CB2 receptors and non-polyunsaturated fatty acid-derived CB2-selective ligands. <i>FEBS Letters</i> , 2006, 580, 568-574.	2.8	26
49	Moringin, A Stable Isothiocyanate from <i>Moringa oleifera</i> , Activates the Somatosensory and Pain Receptor TRPA1 Channel In Vitro. <i>Molecules</i> , 2020, 25, 976.	3.8	26
50	A multicomponent synthesis of gem-(α^2 -dicarbonyl)arylmethanes. <i>Tetrahedron Letters</i> , 2009, 50, 5559-5561.	1.4	25
51	Geometry-Selective Synthesis of <i>E</i> or <i>Z</i> -N-Vinyl Ureas (N-Carbamoyl) <i>Tetrahedron Letters</i> , 2014, 55, 10743-10746.	4.6	25
52	One-Pot Total Synthesis of Cannabinol via Iodine-Mediated Deconstructive Annulation. <i>Organic Letters</i> , 2019, 21, 6122-6125.	4.6	25
53	Sesquiterpenoids from Common Ragweed (<i>Ambrosia artemisiifolia</i> L.), an Invasive Biological Polluter. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 5162-5170.	2.4	24
54	Oxyhomologation of the Amide Bond Potentiates Neuroprotective Effects of the Endolipid N-Palmitoylethanolamine. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2007, 320, 599-606.	2.5	23

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55	Triazole-curcuminoids: A new class of derivatives for "tuning" curcumin bioactivities?. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 140-152.	3.0	22
56	Cannabichromene. <i>Natural Product Communications</i> , 2018, 13, 1934578X1801300.	0.5	21
57	Betulinic acid hydroxamate prevents colonic inflammation and fibrosis in murine models of inflammatory bowel disease. <i>Acta Pharmacologica Sinica</i> , 2021, 42, 1124-1138.	6.1	21
58	Oxyhomologues of Anandamide and Related Endolipids: A Chemoselective Synthesis and Biological Activity. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 2333-2338.	6.4	20
59	Leucettamols, Bifunctionalized Marine Sphingoids, Act as Modulators of TRPA1 and TRPM8 Channels. <i>Marine Drugs</i> , 2012, 10, 2435-2447.	4.6	19
60	Effect of chirality and lipophilicity in the functional activity of evodiamine and its analogues at TRPV1 channels. <i>British Journal of Pharmacology</i> , 2014, 171, 2608-2620.	5.4	19
61	Effect of acyclic monoterpene alcohols and their derivatives on TRP channels. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5507-5511.	2.2	19
62	The Thia-Michael Reactivity of Zerumbone and Related Cross-Conjugated Dienones: Disentangling Stoichiometry, Regiochemistry, and Addition Mode with an NMR Spectroscopy-Based Cysteamine Assay. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 3721-3726.	2.4	19
63	The reaction of cinnamaldehyde and cinnam(o)yl derivatives with thiols. <i>Acta Pharmaceutica Sinica B</i> , 2017, 7, 523-526.	12.0	19
64	Chemoproteomic fishing identifies arzanol as a positive modulator of brain glycogen phosphorylase. <i>Chemical Communications</i> , 2018, 54, 12863-12866.	4.1	19
65	Iodinated N-Acylvanillamines: Potential "Multiple-Target" Anti-Inflammatory Agents Acting via the Inhibition of T-Cell Activation and Antagonism at Vanilloid TRPV1 Channels. <i>Molecular Pharmacology</i> , 2006, 69, 1373-1382.	2.3	18
66	Assay of TRPV1 Receptor Signaling. <i>Methods in Molecular Biology</i> , 2016, 1412, 65-76.	0.9	18
67	Conformationally Constrained Fatty Acid Ethanolamides as Cannabinoid and Vanilloid Receptor Probes. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3001-3009.	6.4	17
68	Carbonyl Activation in Electrophilic Polyene Cyclizations: A Toolbox for the Design of Isoprenoid Libraries. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7935-7938.	13.8	17
69	Celecoxib inhibits proliferation and survival of chronic myelogenous leukemia (CML) cells via AMPK-dependent regulation of β -catenin and mTORC1/2. <i>Oncotarget</i> , 2016, 7, 81555-81570.	1.8	16
70	Iodine-Promoted Aromatization of <i>p</i> -Menthane-Type Phytocannabinoids. <i>Journal of Natural Products</i> , 2018, 81, 630-633.	3.0	16
71	Flavonoid-induced autophagy in hormone sensitive breast cancer cells. <i>Anticancer Research</i> , 2009, 80, 327-332.	2.2	15
72	Synthesis and tubulin-binding properties of non-symmetrical click C5-curcuminoids. <i>Bioorganic and Medicinal Chemistry</i> , 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. <i>Food Research International</i> , 2014, 57, 225-233.	6.2	14
74	Discovery of non-electrophilic capsaicinoid-type TRPA1 ligands. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1009-1011.	2.2	14
75	TRPA1 channels as targets for resveratrol and related stilbenoids. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 899-902.	2.2	14
76	Protective effect and relation structure-activity of nonivamide and iododerivatives in several models of lipid oxidation. <i>Chemico-Biological Interactions</i> , 2009, 180, 183-192.	4.0	13
77	Structure-activity relationships of the ultrapotent vanilloid resiniferatoxin (RTX): The homovanillyl moiety. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 132-135.	2.2	12
78	Homologues and isomers of noladin ether, a putative novel endocannabinoid: interaction with rat cannabinoid CB1 receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 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. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8255-8281.	6.4	11
80	Iodine-mediated cyclization of cannabigerol (CBG) expands the cannabinoid biological and chemical space. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 4532-4536.	3.0	11
81	Synthesis and Biological Evaluation of Phorbol-Resiniferatoxin (RTX) Hybrids. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 3413-3421.	2.4	10
82	Structure-activity relationships of the ultrapotent vanilloid resiniferatoxin (RTX): The side chain benzylic methylene. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 97-99.	2.2	10
83	Triterpenoid Hydroxamates as HIF Prolyl Hydrolase Inhibitors. <i>Journal of Natural Products</i> , 2018, 81, 2235-2243.	3.0	10
84	Electrophilic Triterpenoid Enones: A Comparative Thiol-Trapping and Bioactivity Study. <i>Journal of Natural Products</i> , 2017, 80, 2276-2283.	3.0	9
85	Betulinic Acid Hydroxamate is Neuroprotective and Induces Protein Phosphatase 2A-Dependent HIF-1 α Stabilization and Post-transcriptional Dephosphorylation of Prolyl Hydrolase 2. <i>Neurotherapeutics</i> , 2021, 18, 1849-1861.	4.4	9
86	Biomimetic Approaches to the Synthesis of Natural Disesquiterpenoids: An Update. <i>Plants</i> , 2021, 10, 677.	3.5	8
87	Synthesis and Evaluation of 14-Nor-A-secotaxoids. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 277-283.	2.4	7
88	2-Amino-4-arylthiazole compounds as TRPA1 antagonists (WO 2012085662): a patent evaluation. <i>Expert Opinion on Therapeutic Patents</i> , 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?. <i>Phytochemistry Reviews</i> , 2020, 19, 1307-1321.	6.5	7
90	Carbolithiation of <i>N</i> -alkenyl ureas and <i>N</i> -alkenyl carbamates. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 628-632.	2.2	6

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91	TRPA1 Modulating C14 Polyacetylenes from the Iranian Endemic Plant <i>Echinophora platyloba</i> . <i>Molecules</i> , 2018, 23, 1750.	3.8	6
92	The SNAP- <i>tag</i> technology revised: an effective chemo-enzymatic approach by using a universal azide-based substrate. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2021, 36, 85-97.	5.2	6
93	Hot Cuisine as a Source of Anti-Inflammatory Drugs. <i>Phytochemistry Reviews</i> , 2005, 4, 3-10.	6.5	5
94	Extracts and compounds active on TRP ion channels from <i>Waldheimia glabra</i> , a ritual medicinal plant from Himalaya. <i>Phytomedicine</i> , 2017, 32, 80-87.	5.3	4
95	Identification of a Strigoterpenoid with Dual Nrf2 and Nf- κ B Modulatory Activity. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 606-610.	2.8	4
96	Synthesis of colchifulvin, a colchicine-griseofulvin hybrid. <i>Tetrahedron Letters</i> , 2016, 57, 1540-1543.	1.4	3
97	Carbonyl Activation in Electrophilic Polyene Cyclizations: A Toolbox for the Design of Isoprenoid Libraries. <i>Angewandte Chemie</i> , 2017, 129, 8043-8046.	2.0	3
98	The dimerization of δ^9 -tetrahydrocannabinolic acid A (THCA-A). <i>Acta Pharmaceutica Sinica B</i> , 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. <i>Biomedicines</i> , 2021, 9, 1070.	3.2	3
100	Pyrazole-Curcumin Suppresses Cardiomyocyte Hypertrophy by Disrupting the CDK9/CyclinT1 Complex. <i>Pharmaceutics</i> , 2022, 14, 1269.	4.5	3
101	Discovery of a Remarkable Methyl Shift Effect in the Vanilloid Activity of Triterpene Amides. <i>Journal of Natural Products</i> , 2020, 83, 3476-3481.	3.0	2
102	Crystal structure of <i>Haemophilus influenzae</i> 3-isopropylmalate dehydrogenase (LeuB) in complex with the inhibitor <i>O</i> -isobuteryl oxalylhydroxamate. <i>Biochemical and Biophysical Research Communications</i> , 2020, 524, 996-1002.	2.1	2
103	Icilio Guareschi and his amazing α -1897 reaction. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 1335-1351.	2.2	1
104	Exploring the Universe of Natural Products: Recent Advances in Synthesis, Isolation and Structural Elucidation. <i>Plants</i> , 2021, 10, 2368.	3.5	1
105	Cerium(III) Chloride Promoted Chemoselective Esterification of Phenolic Alcohols.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
106	An Expeditious Hydroxyamidation of Carboxylic Acids.. <i>ChemInform</i> , 2005, 36, no.	0.0	0
107	Bioactive Phloroglucinyl Heterodimers: The Tautomeric and Rotameric Equilibria of Arzanol. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4810-4816.	2.4	0