

Giuseppe Cannazza

List of Publications by Year in descending order

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93
papers

2,724
citations

249298

26
h-index

242451

47
g-index

100
all docs

100
docs citations

100
times ranked

3238
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical and biomedical analysis of cannabinoids: A critical review. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 147, 565-579.	1.4	184
2	Analysis of cannabinoids in commercial hemp seed oil and decarboxylation kinetics studies of cannabidiolic acid (CBDA). <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 149, 532-540.	1.4	168
3	Quality Traits of "Cannabidiol Oils": Cannabinoids Content, Terpene Fingerprint and Oxidation Stability of European Commercially Available Preparations. <i>Molecules</i> , 2018, 23, 1230.	1.7	140
4	A novel phytocannabinoid isolated from <i>Cannabis sativa</i> L. with an in vivo cannabimimetic activity higher than Δ^9 -tetrahydrocannabinol: Δ^9 -Tetrahydrocannabiphorol. <i>Scientific Reports</i> , 2019, 9, 20335.	1.6	137
5	Medicinal cannabis: Principal cannabinoids concentration and their stability evaluated by a high performance liquid chromatography coupled to diode array and quadrupole time of flight mass spectrometry method. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2016, 128, 201-209.	1.4	113
6	A Review of Hemp as Food and Nutritional Supplement. <i>Cannabis and Cannabinoid Research</i> , 2021, 6, 19-27.	1.5	98
7	Rescue of IL-1 β -induced reduction of human neurogenesis by omega-3 fatty acids and antidepressants. <i>Brain, Behavior, and Immunity</i> , 2017, 65, 230-238.	2.0	97
8	Cannabinoid Profiling of Hemp Seed Oil by Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. <i>Frontiers in Plant Science</i> , 2019, 10, 120.	1.7	86
9	Detection of levodopa, dopamine and its metabolites in rat striatum dialysates following peripheral administration of L-DOPA prodrugs by mean of HPLC-EC. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2005, 36, 1079-1084.	1.4	82
10	Different physiological and behavioural effects of e-cigarette vapour and cigarette smoke in mice. <i>European Neuropsychopharmacology</i> , 2015, 25, 1775-1786.	0.3	76
11	Analysis of impurities of cannabidiol from hemp. Isolation, characterization and synthesis of cannabidibutol, the novel cannabidiol butyl analog. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 175, 112752.	1.4	57
12	Evaluation of rat striatal l-dopa and DA concentration after intraperitoneal administration of l-dopa prodrugs in liposomal formulations. <i>Journal of Controlled Release</i> , 2004, 99, 293-300.	4.8	51
13	Development of a simple and sensitive liquid chromatography triple quadrupole mass spectrometry (LC-MS/MS) method for the determination of cannabidiol (CBD), Δ^9 -tetrahydrocannabinol (THC) and its metabolites in rat whole blood after oral administration of a single high dose of CBD. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 150, 25-32.	1.4	50
14	Isolation of a High-Affinity Cannabinoid for the Human CB1 Receptor from a Medicinal <i>Cannabis sativa</i> Variety: Δ^9 -Tetrahydrocannabutol, the Butyl Homologue of Δ^9 -Tetrahydrocannabinol. <i>Journal of Natural Products</i> , 2020, 83, 88-98.	1.5	48
15	Synthesis of 3,4-Dihydro-2H-1,2,4-benzo- thiazine 1,1-Dioxide Derivatives as Potential Allosteric Modulators of AMPA/Kainate Receptors. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 2355-2357.	2.9	46
16	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. <i>Talanta</i> , 2020, 209, 120573.	2.9	45
17	Pitfalls in the analysis of phytocannabinoids in cannabis inflorescence. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 4009-4022.	1.9	45
18	Optimizing Cell Permeation of an Antibiotic Resistance Inhibitor for Improved Efficacy. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5644-5654.	2.9	41

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19	Simultaneous measurement of adenosine, dopamine, acetylcholine and 5-hydroxytryptamine in cerebral mice microdialysis samples by LC-ESI-MS/MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 71, 183-186.	1.4	39
20	Identification of a new cannabidiol n-hexyl homolog in a medicinal cannabis variety with an antinociceptive activity in mice: cannabidihexol. <i>Scientific Reports</i> , 2020, 10, 22019.	1.6	38
21	Strong versus weak chiral cation exchangers: Comparative evaluation for enantiomer separation of chiral bases by non-aqueous CEC. <i>Journal of Separation Science</i> , 2002, 25, 1269-1283.	1.3	35
22	A Metabolomic Approach Applied to a Liquid Chromatography Coupled to High-Resolution Tandem Mass Spectrometry Method (HPLC-ESI-MS/MS): Towards the Comprehensive Evaluation of the Chemical Composition of Cannabis Medicinal Extracts. <i>Phytochemical Analysis</i> , 2018, 29, 144-155.	1.2	35
23	Receptors and Channels Possibly Mediating the Effects of Phytocannabinoids on Seizures and Epilepsy. <i>Pharmaceuticals</i> , 2020, 13, 174.	1.7	32
24	Polymeric Nano-Micelles as Novel Cargo-Carriers for LY2157299 Liver Cancer Cells Delivery. <i>International Journal of Molecular Sciences</i> , 2018, 19, 748.	1.8	31
25	Analytical and preparative enantioseparation and main chiroptical properties of Iridium(III) bis(4,6-difluorophenylpyridinato)picolinate. <i>Journal of Chromatography A</i> , 2016, 1467, 335-346.	1.8	30
26	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. <i>Talanta</i> , 2021, 230, 122313.	2.9	29
27	Recent applications of mass spectrometry for the characterization of cannabis and hemp phytocannabinoids: From targeted to untargeted analysis. <i>Journal of Chromatography A</i> , 2021, 1655, 462492.	1.8	29
28	The cytosine derivatives, CC4 and CC26, reduce nicotine-induced conditioned place preference in zebrafish by acting on heteromeric neuronal nicotinic acetylcholine receptors. <i>Psychopharmacology</i> , 2014, 231, 4681-4693.	1.5	28
29	Quantitative analysis of acetylcholine in rat brain microdialysates by liquid chromatography coupled with electrospray ionization tandem mass spectrometry. <i>Journal of Neuroscience Methods</i> , 2010, 194, 87-93.	1.3	26
30	Inhibition of Glycolysis by Using a Micro/Nano-Lipid Bromopyruvic Chitosan Carrier as a Promising Tool to Improve Treatment of Hepatocellular Carcinoma. <i>Nanomaterials</i> , 2018, 8, 34.	1.9	26
31	Separation of reboxetine enantiomers by means of capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 1870.	1.3	24
32	Stereoselective Synthesis of α -Alkylidene β -Oxo Amides by Palladium-Catalyzed Carbonylation. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5932-5938.	1.2	24
33	Exploiting the 2-Amino-1,3,4-thiadiazole Scaffold To Inhibit Trypanosoma brucei Pteridine Reductase in Support of Early-Stage Drug Discovery. <i>ACS Omega</i> , 2017, 2, 5666-5683.	1.6	24
34	Improved identification of phytocannabinoids using a dedicated structure-based workflow. <i>Talanta</i> , 2020, 219, 121310.	2.9	24
35	Interaction between Human Serum Albumin and Different Anatase TiO ₂ Nanoparticles: A Nano-bio Interface Study. <i>Nanomaterials and Nanotechnology</i> , 2015, 5, 30.	1.2	21
36	Probing an Allosteric Pocket of CDK2 with Small Molecules. <i>ChemMedChem</i> , 2017, 12, 33-41.	1.6	21

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37	Untargeted rat brain metabolomics after oral administration of a single high dose of cannabidiol. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2018, 161, 1-11.	1.4	21
38	Studies of enantiomerization of chiral 3,4-dihydro-1,2,4-benzothiadiazine 1,1-dioxide type compounds. <i>Chirality</i> , 2001, 13, 94-101.	1.3	20
39	5-Arylbenzothiadiazine Type Compounds as Positive Allosteric Modulators of AMPA/Kainate Receptors. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 25-29.	1.3	20
40	Chiral Resolution of Dipeptides by Ligand Exchange Chromatography on Chemically Bonded Chiral Phases. <i>Journal of Liquid Chromatography and Related Technologies</i> , 1996, 19, 2933-2942.	0.5	19
41	Chiral resolution of the enantiomers of 7-chloro-3-methyl-3,4-dihydro-2H-1,2,4-benzothiadiazine 1,1-dioxide using high-performance liquid chromatography on cellulose-based chiral stationary phases. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2000, 23, 117-125.	1.4	19
42	Enantiomerization of chiral 2,3,3a,4-tetrahydro-1H-pyrrolo[2,1-c][1,2,4]benzothiadiazine 5,5-dioxide by stopped-flow multidimensional HPLC. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008, 875, 192-199.	1.2	19
43	Enantiomerization and hydrolysis of (±)-7-chloro-3-methyl-3,4-dihydro-2H-1,2,4-benzothiadiazine 1,1-dioxide by stopped-flow multidimensional high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2008, 1212, 41-47.	1.8	19
44	Changes in kynurenic, anthranilic, and quinolinic acid concentrations in rat brain tissue during development. <i>Neurochemical Research</i> , 2001, 26, 511-514.	1.6	18
45	Alterations in alpha5* nicotinic acetylcholine receptors result in midbrain- and hippocampus-dependent behavioural and neural impairments. <i>Psychopharmacology</i> , 2016, 233, 3297-3314.	1.5	18
46	Techno-economic study of a small scale gasifier applied to an indoor hemp farm: From energy savings to biochar effects on productivity. <i>Energy Conversion and Management</i> , 2021, 228, 113645.	4.4	18
47	New insights in hemp chemical composition: a comprehensive polar lipidome characterization by combining solid phase enrichment, high-resolution mass spectrometry, and cheminformatics. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 413-423.	1.9	17
48	Deletion of <i>Maged1</i> in mice abolishes locomotor and reinforcing effects of cocaine. <i>EMBO Reports</i> , 2018, 19, .	2.0	16
49	Origin of 9-Tetrahydrocannabinol Impurity in Synthetic Cannabidiol. <i>Cannabis and Cannabinoid Research</i> , 2021, 6, 28-39.	1.5	16
50	Biocatalytic Synthesis of Phospholipids and Their Application as Coating Agents for CaCO ₃ Nano-crystals: Characterization and Intracellular Localization Analysis. <i>ChemistrySelect</i> , 2016, 1, 6507-6514.	0.7	15
51	Heart-cut bidimensional achiral-chiral liquid chromatography applied to the evaluation of stereoselective metabolism, in vivo biological activity and brain response to chiral drug candidates targeting the central nervous system. <i>Journal of Chromatography A</i> , 2016, 1443, 152-161.	1.8	15
52	7-Chloro-5-(furan-3-yl)-3-methyl-4H-benzo[<i>e</i>][1,2,4]thiadiazine 1,1-Dioxide as Positive Allosteric Modulator of α -Amino-3-hydroxy-5-methyl-4-isoxazolepropionic Acid (AMPA) Receptor. The End of the Unsaturated-Inactive Paradigm?. <i>ACS Chemical Neuroscience</i> , 2016, 7, 149-160.	1.7	15
53	Application of calcium carbonate nanocarriers for controlled release of phytodrugs against <i>Xylella fastidiosa</i> pathogen. <i>Pure and Applied Chemistry</i> , 2020, 92, 429-444.	0.9	15
54	Analysis of Sequence Variability and Transcriptional Profile of Cannabinoid synthase Genes in <i>Cannabis sativa</i> L. Chemotypes with a Focus on Cannabichromenic acid synthase. <i>Plants</i> , 2021, 10, 1857.	1.6	15

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55	High-performance liquid chromatographic method for the quantification of anthranilic and 3-hydroxyanthranilic acid in rat brain dialysate. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2003, 32, 287-293.	1.4	14
56	Ring opening of heterocycles containing a C=N double bond: a simple synthesis of imides promoted by acyl palladium species. <i>Tetrahedron</i> , 2014, 70, 6938-6943.	1.0	14
57	Chemical and spectroscopic characterization data of Δ^9 -cannabidibutol TM , a novel cannabidiol butyl analog. <i>Data in Brief</i> , 2019, 26, 104463.	0.5	14
58	Simultaneous determination of enantiomerization and hydrolysis kinetic parameters of chiral α -alkylbenzothiadiazine derivatives. <i>Chirality</i> , 2010, 22, 389-397.	1.3	13
59	Study on the racemization of synephrine by off-column chiral high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2010, 1217, 3503-3510.	1.8	13
60	Evaluation of stereo and chemical stability of chiral compounds. <i>Chirality</i> , 2011, 23, 851-859.	1.3	13
61	Design, stereoselective synthesis, configurational stability and biological activity of 7-chloro-9-(furan-3-yl)-2,3,3a,4-tetrahydro-1H-benzo[e]pyrrolo[2,1-c][1,2,4]thiadiazine 5,5-dioxide. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 4667-4676.	1.4	13
62	A direct synthesis of 3-acyl-4-hydroxy-2-pyranone derivatives via palladium-catalyzed carbonylation of α -chloroketones. A cascade reaction involving acylketenes. <i>Tetrahedron Letters</i> , 2015, 56, 2773-2776.	0.7	13
63	Cell-Penetrating CaCO ₃ Nanocrystals for Improved Transport of NVP-BE2235 across Membrane Barrier in T-Cell Lymphoma. <i>Cancers</i> , 2018, 10, 31.	1.7	13
64	Folic Acid-Peptide Conjugates Combine Selective Cancer Cell Internalization with Thymidylate Synthase Dimer Interface Targeting. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 3204-3221.	2.9	13
65	Antiseizure Effects of Cannabidiol Leading to Increased Peroxisome Proliferator-Activated Receptor Gamma Levels in the Hippocampal CA3 Subfield of Epileptic Rats. <i>Pharmaceuticals</i> , 2022, 15, 495.	1.7	13
66	On-line racemization by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 5655-5659.	1.8	12
67	Synthesis of β -enamino acid and heteroaryl acetic acid derivatives by Pd-catalyzed carbonylation of α -chloroimines and 2-chloromethyl aza-heterocycles. <i>Tetrahedron Letters</i> , 2016, 57, 1421-1424.	0.7	12
68	A novel class of allosteric modulators of AMPA/Kainate receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1254-1257.	1.0	11
69	Determination of kinetic parameters of enantiomerization of benzothiadiazines by DCXplorer. <i>Chirality</i> , 2010, 22, 789-797.	1.3	11
70	Development of an in vitro liquid chromatography-mass spectrometry method to evaluate stereo and chemical stability of new drug candidates employing immobilized artificial membrane column. <i>Journal of Chromatography A</i> , 2014, 1363, 216-225.	1.8	11
71	Prenatal exposure to methyl mercury in rats: focus on changes in kynurenine pathway. <i>Brain Research Bulletin</i> , 2001, 55, 235-238.	1.4	10
72	Internalization and Stability of a Thymidylate Synthase Peptide Inhibitor in Ovarian Cancer Cells. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 10551-10556.	2.9	10

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73	Energy barrier determination of enantiomerization of chiral 3,4-dihydro-1,2,4-benzothiadiazine 1,1-dioxide type compounds by enantioselective stopped-flow HPLC. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 3158-3162.	1.8	9
74	An improved LC-MS/MS method for the quantitation of adenosine concentration in mice brain microdialysates. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2012, 70, 563-566.	1.4	9
75	An unexpected reversal in the pharmacological stereoselectivity of benzothiadiazine AMPA positive allosteric modulators. <i>MedChemComm</i> , 2016, 7, 2410-2417.	3.5	9
76	Molecular modeling studies, synthesis, configurational stability and biological activity of 8-chloro-2,3,5,6-tetrahydro-3,6-dimethyl-pyrrolo[1,2,3-de]-1,2,4-benzothiadiazine 1,1-dioxide. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 7111-7119.	1.4	8
77	Regioselective reduction of 3-substituted 2,3-dihydrobenzothiadiazines with borohydrides. <i>Tetrahedron Letters</i> , 2010, 51, 4433-4436.	0.7	7
78	In-depth cannabis fatty acid profiling by ultra-high performance liquid chromatography coupled to high resolution mass spectrometry. <i>Talanta</i> , 2021, 228, 122249.	2.9	7
79	HPLC-UV-HRMS analysis of cannabigerovarín and cannabigerobutol, the two impurities of cannabigerol extracted from hemp. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2021, 203, 114215.	1.4	7
80	The novel heptyl phorolic acid cannabinoids content in different <i>Cannabis sativa</i> L. accessions. <i>Talanta</i> , 2021, 235, 122704.	2.9	7
81	Epimerization and hydrolysis of 3,6-dimethyl-2,3,5,6-tetrahydro[1,2,4]thiadiazino[6,5,4-hi]indole 1,1-dioxide. <i>Journal of Chromatography A</i> , 2010, 1217, 8136-8145.	1.8	6
82	Is cannabidiol a scheduled controlled substance? Origin makes the difference. <i>Drug Discovery Today</i> , 2020, 25, 628-632.	3.2	5
83	Kynurenine and kynurenic acid: Two human neuromodulators found in <i>Cannabis sativa</i> L.. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 211, 114636.	1.4	5
84	Enantioseparation of the antidepressant reboxetine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 991-996.	1.4	4
85	On the Oxidation of Different Iminic Bonds by Excess of 3-Chloroperbenzoic Acid. <i>Synlett</i> , 2012, 24, 53-56.	1.0	4
86	Efficient synthesis of 5,6-dihydro-8H-[1,2,4]thiadiazino[6,5,4-de]phenanthridine 4,4-dioxide and 5,6-dihydro-8H-[1,2,4]-thiadiazino[6,5,4-ij]thieno[2,3-c]quinoline 4,4-dioxide. <i>Tetrahedron Letters</i> , 2012, 53, 1122-1125.	0.7	4
87	Oxidative Stress and Multi-Organ Damage Induced by Two Novel Phytocannabinoids, CBDB and CBDP, in Breast Cancer Cells. <i>Molecules</i> , 2021, 26, 5576.	1.7	4
88	One-Pot Synthesis of Azobenzene Derivatives by Oxidation of 2,3-Dihydrobenzothiadiazines. <i>Synthesis</i> , 2014, 46, 962-966.	1.2	3
89	Regioselective cyclization of chloroacylaminobenzenesulfonamide derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 3023-3026.	0.7	2
90	Stimulatory effect on pea of <i>Typha Angustifolia</i> L. extracts and their chemical composition. <i>Journal of Plant Nutrition</i> , 2017, 40, 1993-2005.	0.9	2

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91	Analytical Methodologies for Lipidomics in Hemp Plant. <i>Methods in Molecular Biology</i> , 2021, 2306, 257-273.	0.4	2
92	Targeted and untargeted characterization of underivatized policosanols in hemp inflorescence by liquid chromatography-high resolution mass spectrometry. <i>Talanta</i> , 2021, 235, 122778.	2.9	2
93	Calcium-Carbonate Nanocapsules Improve the Efficacy of BEZ235 in Lymphoma a Cell Line: A Promising New Technology of Drug Delivery. <i>Blood</i> , 2015, 126, 4851-4851.	0.6	0