

# Giuseppe Cannazza

## List of Publications by Year in descending order

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93  
papers

2,724  
citations

218677

26  
h-index

214800

47  
g-index

100  
all docs

100  
docs citations

100  
times ranked

3013  
citing authors

#	ARTICLE	IF	CITATIONS
1	Pharmaceutical and biomedical analysis of cannabinoids: A critical review. Journal of Pharmaceutical and Biomedical Analysis, 2018, 147, 565-579.	2.8	184
2	Analysis of cannabinoids in commercial hemp seed oil and decarboxylation kinetics studies of cannabidiolic acid (CBDA). Journal of Pharmaceutical and Biomedical Analysis, 2018, 149, 532-540.	2.8	168
3	Quality Traits of “Cannabidiol Oils” Cannabinoids Content, Terpene Fingerprint and Oxidation Stability of European Commercially Available Preparations. Molecules, 2018, 23, 1230.	3.8	140
4	A novel phytocannabinoid isolated from Cannabis sativa L. with an in vivo cannabimimetic activity higher than $\Delta^9$ -tetrahydrocannabinol: $\Delta^9$ -Tetrahydrocannabiphorol. Scientific Reports, 2019, 9, 20335.	3.3	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. Journal of Pharmaceutical and Biomedical Analysis, 2016, 128, 201-209.	2.8	113
6	A Review of Hemp as Food and Nutritional Supplement. Cannabis and Cannabinoid Research, 2021, 6, 19-27.	2.9	98
7	Rescue of IL-1 $\beta$ -induced reduction of human neurogenesis by omega-3 fatty acids and antidepressants. Brain, Behavior, and Immunity, 2017, 65, 230-238.	4.1	97
8	Cannabinoid Profiling of Hemp Seed Oil by Liquid Chromatography Coupled to High-Resolution Mass Spectrometry. Frontiers in Plant Science, 2019, 10, 120.	3.6	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. Journal of Pharmaceutical and Biomedical Analysis, 2005, 36, 1079-1084.	2.8	82
10	Different physiological and behavioural effects of e-cigarette vapour and cigarette smoke in mice. European Neuropsychopharmacology, 2015, 25, 1775-1786.	0.7	76
11	Analysis of impurities of cannabidiol from hemp. Isolation, characterization and synthesis of cannabidibutol, the novel cannabidiol butyl analog. Journal of Pharmaceutical and Biomedical Analysis, 2019, 175, 112752.	2.8	57
12	Evaluation of rat striatal L-dopa and DA concentration after intraperitoneal administration of L-dopa prodrugs in liposomal formulations. Journal of Controlled Release, 2004, 99, 293-300.	9.9	51
13	Development of a simple and sensitive liquid chromatography triple quadrupole mass spectrometry (LC-MS/MS) method for the determination of cannabidiol (CBD), $\Delta^9$ -tetrahydrocannabinol (THC) and its metabolites in rat whole blood after oral administration of a single high dose of CBD. Journal of Pharmaceutical and Biomedical Analysis, 2018, 150, 25-32.	2.8	50
14	Isolation of a High-Affinity Cannabinoid for the Human CB1 Receptor from a Medicinal Cannabis sativa Variety: $\Delta^9$ -Tetrahydrocannabutol, the Butyl Homologue of $\Delta^9$ -Tetrahydrocannabinol. Journal of Natural Products, 2020, 83, 88-98.	3.0	48
15	Synthesis of 3,4-Dihydro-2H-1,2,4-benzo- thiadiazine 1,1-Dioxide Derivatives as Potential Allosteric Modulators of AMPA/Kainate Receptors. Journal of Medicinal Chemistry, 2002, 45, 2355-2357.	6.4	46
16	A new software-assisted analytical workflow based on high-resolution mass spectrometry for the systematic study of phenolic compounds in complex matrices. Talanta, 2020, 209, 120573.	5.5	45
17	Pitfalls in the analysis of phytocannabinoids in cannabis inflorescence. Analytical and Bioanalytical Chemistry, 2020, 412, 4009-4022.	3.7	45
18	Optimizing Cell Permeation of an Antibiotic Resistance Inhibitor for Improved Efficacy. Journal of Medicinal Chemistry, 2007, 50, 5644-5654.	6.4	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.	2.8	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.	3.3	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.	2.5	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.	2.4	35
23	Receptors and Channels Possibly Mediating the Effects of Phytocannabinoids on Seizures and Epilepsy. <i>Pharmaceuticals</i> , 2020, 13, 174.	3.8	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.	4.1	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.	3.7	30
26	Phytocannabinomics: Untargeted metabolomics as a tool for cannabis chemovar differentiation. <i>Talanta</i> , 2021, 230, 122313.	5.5	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.	3.7	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.	3.1	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.	2.5	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.	4.1	26
31	Separation of reboxetine enantiomers by means of capillary electrophoresis. <i>Electrophoresis</i> , 2002, 23, 1870.	2.4	24
32	Stereoselective Synthesis of $\alpha$ -Alkylidene $\beta$ -Oxo Amides by Palladium-Catalyzed Carbonylation. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 5932-5938.	2.4	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.	3.5	24
34	Improved identification of phytocannabinoids using a dedicated structure-based workflow. <i>Talanta</i> , 2020, 219, 121310.	5.5	24
35	Interaction between Human Serum Albumin and Different Anatase TiO <sub>2</sub> Nanoparticles: A Nano-bio Interface Study. <i>Nanomaterials and Nanotechnology</i> , 2015, 5, 30.	3.0	21
36	Probing an Allosteric Pocket of CDK2 with Small Molecules. <i>ChemMedChem</i> , 2017, 12, 33-41.	3.2	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.	2.8	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.	2.6	20
39	5-Arylbenzothiadiazine Type Compounds as Positive Allosteric Modulators of AMPA/Kainate Receptors. <i>ACS Medicinal Chemistry Letters</i> , 2012, 3, 25-29.	2.8	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.	1.0	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.	2.8	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.	2.3	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.	3.7	19
44	Changes in kynurenic, anthranilic, and quinolinic acid concentrations in rat brain tissue during development. <i>Neurochemical Research</i> , 2001, 26, 511-514.	3.3	18
45	Alterations in $\alpha 5^*$ nicotinic acetylcholine receptors result in midbrain- and hippocampus-dependent behavioural and neural impairments. <i>Psychopharmacology</i> , 2016, 233, 3297-3314.	3.1	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.	9.2	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.	3.7	17
48	Deletion of <i>Maged1</i> in mice abolishes locomotor and reinforcing effects of cocaine. <i>EMBO Reports</i> , 2018, 19, .	4.5	16
49	Origin of $\delta^9$ -Tetrahydrocannabinol Impurity in Synthetic Cannabidiol. <i>Cannabis and Cannabinoid Research</i> , 2021, 6, 28-39.	2.9	16
50	Biocatalytic Synthesis of Phospholipids and Their Application as Coating Agents for $\text{CaCO}_3$ Nano-crystals: Characterization and Intracellular Localization Analysis. <i>ChemistrySelect</i> , 2016, 1, 6507-6514.	1.5	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.	3.7	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 $\pm$ -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.	3.5	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.	1.9	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.	3.5	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.	2.8	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.	1.9	14
57	Chemical and spectroscopic characterization data of $\Delta^9$ -cannabidibutol <sup>TM</sup> , a novel cannabidiol butyl analog. <i>Data in Brief</i> , 2019, 26, 104463.	1.0	14
58	Simultaneous determination of enantiomerization and hydrolysis kinetic parameters of chiral $\alpha$ -alkylbenzothiadiazine derivatives. <i>Chirality</i> , 2010, 22, 389-397.	2.6	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.	3.7	13
60	Evaluation of stereo and chemical stability of chiral compounds. <i>Chirality</i> , 2011, 23, 851-859.	2.6	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.	3.0	13
62	A direct synthesis of 3-acyl-4-hydroxy-2-pyranone derivatives via palladium-catalyzed carbonylation of $\alpha$ -chloroketones. A cascade reaction involving acylketenes. <i>Tetrahedron Letters</i> , 2015, 56, 2773-2776.	1.4	13
63	Cell-Penetrating CaCO <sub>3</sub> Nanocrystals for Improved Transport of NVP-BEZ235 across Membrane Barrier in T-Cell Lymphoma. <i>Cancers</i> , 2018, 10, 31.	3.7	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.	6.4	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.	3.8	13
66	On-line racemization by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , 2009, 1216, 5655-5659.	3.7	12
67	Synthesis of $\beta$ -enamino acid and heteroaryl acetic acid derivatives by Pd-catalyzed carbonylation of $\alpha$ -chloroimines and 2-chloromethyl aza-heterocycles. <i>Tetrahedron Letters</i> , 2016, 57, 1421-1424.	1.4	12
68	A novel class of allosteric modulators of AMPA/Kainate receptors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1254-1257.	2.2	11
69	Determination of kinetic parameters of enantiomerization of benzothiadiazines by DCXplorer. <i>Chirality</i> , 2010, 22, 789-797.	2.6	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.	3.7	11
71	Prenatal exposure to methyl mercury in rats: focus on changes in kynurenine pathway. <i>Brain Research Bulletin</i> , 2001, 55, 235-238.	3.0	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.	6.4	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.	2.8	9
75	An unexpected reversal in the pharmacological stereoselectivity of benzothiadiazine AMPA positive allosteric modulators. <i>MedChemComm</i> , 2016, 7, 2410-2417.	3.4	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.	3.0	8
77	Regioselective reduction of 3-substituted 2,3-dihydrobenzothiadiazines with borohydrides. <i>Tetrahedron Letters</i> , 2010, 51, 4433-4436.	1.4	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.	5.5	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.	2.8	7
80	The novel heptyl phorolic acid cannabinoids content in different <i>Cannabis sativa</i> L. accessions. <i>Talanta</i> , 2021, 235, 122704.	5.5	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.	3.7	6
82	Is cannabidiol a scheduled controlled substance? Origin makes the difference. <i>Drug Discovery Today</i> , 2020, 25, 628-632.	6.4	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.	2.8	5
84	Enantioseparation of the antidepressant reboxetine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2008, 48, 991-996.	2.8	4
85	On the Oxidation of Different Iminic Bonds by Excess of 3-Chloroperbenzoic Acid. <i>Synlett</i> , 2012, 24, 53-56.	1.8	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.	1.4	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.	3.8	4
88	One-Pot Synthesis of Azobenzene Derivatives by Oxidation of 2,3-Dihydrobenzothiadiazines. <i>Synthesis</i> , 2014, 46, 962-966.	2.3	3
89	Regioselective cyclization of chloroacylaminobenzenesulfonamide derivatives. <i>Tetrahedron Letters</i> , 2012, 53, 3023-3026.	1.4	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.	1.9	2

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91	Analytical Methodologies for Lipidomics in Hemp Plant. Methods in Molecular Biology, 2021, 2306, 257-273.	0.9	2
92	Targeted and untargeted characterization of underivatized policosanols in hemp inflorescence by liquid chromatography-high resolution mass spectrometry. Talanta, 2021, 235, 122778.	5.5	2
93	Calcium-Carbonate Nanocapsules Improve the Efficacy of BEZ235 in Lymphoma a Cell Line: A Promising New Technology of Drug Delivery. Blood, 2015, 126, 4851-4851.	1.4	0