

Ana Gradillas Nicolas

List of Publications by Year in descending order

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36
papers

1,606
citations

566801

15
h-index

344852

36
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46
all docs

46
docs citations

46
times ranked

2362
citing authors

#	ARTICLE	IF	CITATIONS
1	Macrocyclization by Ring-Closing Metathesis in the Total Synthesis of Natural Products: Reaction Conditions and Limitations. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 6086-6101.	7.2	500
2	Intercalators as Anticancer Drugs. <i>Current Pharmaceutical Design</i> , 2001, 7, 1745-80.	0.9	384
3	Comparison of phenolic compounds profile and antioxidant properties of different sweet cherry (<i>Prunus avium</i> L.) varieties. <i>Food Chemistry</i> , 2019, 279, 260-271.	4.2	98
4	Synthesis and biological activity of N,N-dialkylaminoalkyl-substituted bisindolyl and diphenyl pyrazolone derivatives. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 9-16.	1.4	87
5	Recent Developments along the Analytical Process for Metabolomics Workflows. <i>Analytical Chemistry</i> , 2020, 92, 203-226.	3.2	72
6	Transcriptomics, Targeted Metabolomics and Gene Expression of Blackberry Leaves and Fruits Indicate Flavonoid Metabolic Flux from Leaf to Red Fruit. <i>Frontiers in Plant Science</i> , 2017, 8, 472.	1.7	41
7	Tandem RCM~Isomerization~ Cyclopropanation Reactions. <i>Organic Letters</i> , 2008, 10, 597-600.	2.4	39
8	Synthesis, Biological Activity, and Quantitative Structure~Activity Relationship Study of Azanaphthalimide and Arylnaphthalimide Derivatives. <i>Journal of Medicinal Chemistry</i> , 2004, 47, 2236-2242.	2.9	38
9	Synthesis of 2~Azabicyclo[4.1.0]heptanes through Stereoselective Cyclopropanation Reactions. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 5850-5862.	1.2	30
10	Nitrogen ylide-mediated cyclopropanation of lactams and lactones. <i>Tetrahedron Letters</i> , 2010, 51, 3095-3098.	0.7	27
11	Enhancing confidence of metabolite annotation in Capillary Electrophoresis-Mass Spectrometry untargeted metabolomics with relative migration time and in-source fragmentation. <i>Journal of Chromatography A</i> , 2021, 1635, 461758.	1.8	23
12	Novel synthesis of 5,10,15,20-tetraarylporphyrins using high-valent transition metal salts. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1995, , 2611.	0.9	22
13	Elicitation with <i>Bacillus</i> QV15 reveals a pivotal role of F3H on flavonoid metabolism improving adaptation to biotic stress in blackberry. <i>PLoS ONE</i> , 2020, 15, e0232626.	1.1	18
14	Unveiling the Fragmentation Mechanisms of Modified Amino Acids as the Key for Their Targeted Identification. <i>Analytical Chemistry</i> , 2020, 92, 4848-4857.	3.2	18
15	Exploiting the formation of adducts in mobile phases with ammonium fluoride for the enhancement of annotation in liquid chromatography-high resolution mass spectrometry based lipidomics. <i>Journal of Chromatography Open</i> , 2021, 1, 100018.	0.8	18
16	Ayahuasca Beverages: Phytochemical Analysis and Biological Properties. <i>Antibiotics</i> , 2020, 9, 731.	1.5	17
17	Metabolic Clustering Analysis as a Strategy for Compound Selection in the Drug Discovery Pipeline for Leishmaniasis. <i>ACS Chemical Biology</i> , 2018, 13, 1361-1369.	1.6	15
18	New synthesis and promising neuroprotective role in experimental ischemic stroke of ONO-1714. <i>European Journal of Medicinal Chemistry</i> , 2012, 54, 439-446.	2.6	12

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19	Evaluation of the Cytotoxicity of Ayahuasca Beverages. <i>Molecules</i> , 2020, 25, 5594.	1.7	12
20	Unusual Skeletal Rearrangement of Unsaturated Seven-Membered Lactams into Fused Pyrrolidinolactones. <i>European Journal of Organic Chemistry</i> , 2013, 2013, 3094-3102.	1.2	11
21	Morita-Baylis-Hillman Reaction of Lactams and Lactones with Alkyl Halides and Epoxides Catalyzed by Hydroxysulfides. <i>Organic Letters</i> , 2010, 12, 2418-2421.	2.4	9
22	Oxidized lipids in the metabolic profiling of neuroendocrine tumors – Analytical challenges and biological implications. <i>Journal of Chromatography A</i> , 2020, 1625, 461233.	1.8	9
23	In vitro generation of oxidized standards for lipidomics. Application to major membrane lipid components. <i>Journal of Chromatography A</i> , 2021, 1651, 462254.	1.8	9
24	Hydrolysis of 2-substituted aryl and heteroaryl alkanoates by <i>Candida rugosa</i> lipase. <i>Biotechnology Letters</i> , 1997, 19, 999-1004.	1.1	8
25	Analytical approaches for studying oxygenated lipids in the search of potential biomarkers by LC-MS. <i>TrAC - Trends in Analytical Chemistry</i> , 2021, 143, 116367.	5.8	8
26	A novel strategy for rapid screening of the complex triterpene saponin mixture present in the methanolic extract of blackberry leaves (<i>Rubus</i> cv. Loch Ness) by UHPLC/QTOF-MS. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2019, 164, 47-56.	1.4	7
27	Ceramide Composition in Exosomes for Characterization of Glioblastoma Stem-Like Cell Phenotypes. <i>Frontiers in Oncology</i> , 2021, 11, 788100.	1.3	7
28	Cyclopropanation Reactions for the Synthesis of 2-Azabicyclo[4.1.0]heptane Derivatives with Nitric Oxide Synthase Inhibitory Activity. <i>Chemistry Letters</i> , 2008, 37, 1222-1223.	0.7	6
29	Hydroxy Chalcogenide-Promoted Morita-Baylis-Hillman Alkylation Reaction: Intermolecular Applications with Alkyl Halides as Electrophiles. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 1935-1941.	1.2	6
30	Identifying the Compounds of the Metabolic Elicitors of <i>Pseudomonas fluorescens</i> N 21.4 Responsible for Their Ability to Induce Plant Resistance. <i>Plants</i> , 2020, 9, 1020.	1.6	6
31	Alteration of the reaction rate in the esterification of (R,S) ibuprofen by addition of crown ether or porphyrin. <i>Biotechnology Letters</i> , 1996, 18, 85-90.	1.1	5
32	<i>Allium porrum</i> Extract Decreases Effector Cell Degranulation and Modulates Airway Epithelial Cell Function. <i>Nutrients</i> , 2019, 11, 1303.	1.7	5
33	Characterisation of the Phenolic Profile of <i>Acacia retinodes</i> and <i>Acacia mearnsii</i> Flowers™ Extracts. <i>Plants</i> , 2022, 11, 1442.	1.6	5
34	Unraveling the Cyclization of Argininosuccinic Acid in Biological Samples: A Study via Mass Spectrometry and NMR Spectroscopy. <i>Analytical Chemistry</i> , 2020, 92, 12891-12899.	3.2	4
35	Enantiospecific hydrolysis of esters of nonsteroidal antiinflammatory drugs using lipase of <i>Candida cylindracea</i> . <i>Journal of Molecular Catalysis</i> , 1993, 84, 399-405.	1.2	2
36	Synthesis and Biological Activity of Picobenzide (3,5-Dimethyl-N-(pyridin-4-ylmethyl)benzamide) Analogues as Potential Antipsychotic Agents. <i>Arzneimittelforschung</i> , 2005, 55, 725-729.	0.5	0