

Nuria E Campillo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

91
papers

2,197
citations

28
h-index

43
g-index

96
ext. papers

2,517
ext. citations

5.1
avg. IF

4.71
L-index

#	Paper	IF	Citations
91	Naphthoquinone as a New Chemical Scaffold for Leishmanicidal Inhibitors of Leishmania GSK-3. <i>Biomedicines</i> , 2022 , 10, 1136	4.8	2
90	COVID-19 Vaccine Race: Analysis of Age-Dependent Immune Responses against SARS-CoV-2 Indicates that more than Just One Strategy May Be Needed. <i>Current Medicinal Chemistry</i> , 2021 , 28, 3964-3979	4.3	4
89	Host-Directed FDA-Approved Drugs with Antiviral Activity against SARS-CoV-2 Identified by Hierarchical In Silico/In Vitro Screening Methods. <i>Pharmaceuticals</i> , 2021 , 14,	5.2	9
88	AI in drug development: a multidisciplinary perspective. <i>Molecular Diversity</i> , 2021 , 25, 1461-1479	3.1	1
87	Identification of potential inhibitors of protein-protein interaction useful to fight against Ebola and other highly pathogenic viruses. <i>Antiviral Research</i> , 2021 , 186, 105011	10.8	7
86	Identification of Niemann-Pick C1 protein as a potential novel SARS-CoV-2 intracellular target. <i>Antiviral Research</i> , 2021 , 194, 105167	10.8	6
85	COVID-19: Drug Targets and Potential Treatments. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 12359-12388	8.3	207
84	Deciphering the enzymatic target of a new family of antischistosomal agents bearing a quinazoline scaffold using complementary computational tools. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 511-523	5.6	1
83	Towards discovery of new leishmanicidal scaffolds able to inhibit GSK-3. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2020 , 35, 199-210	5.6	7
82	Targeting Cannabinoid Receptor Activation and BACE-1 Activity Counteracts TgAPP Mice Memory Impairment and Alzheimer's Disease Lymphoblast Alterations. <i>Molecular Neurobiology</i> , 2020 , 57, 1938-1951	6.2	3
81	New cannabinoid receptor antagonists as pharmacological tool. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115672	3.4	1
80	Glycogen synthase kinase 3 (GSK-3) inhibitors: a patent update (2016-2019). <i>Expert Opinion on Therapeutic Patents</i> , 2020 , 30, 863-872	6.8	11
79	QSAR Modelling for Drug Discovery: Predicting the Activity of LRRK2 Inhibitors for Parkinson's Disease Using Cheminformatics Approaches. <i>Advances in Intelligent Systems and Computing</i> , 2019 , 63-70	0.4	3
78	Discovery of novel PDE4A inhibitors as potential agents against schistosomiasis. <i>Future Medicinal Chemistry</i> , 2019 , 11, 1703-1720	4.1	4
77	QSAR Classification Models for Predicting the Activity of Inhibitors of Beta-Secretase (BACE1) Associated with Alzheimer's Disease. <i>Scientific Reports</i> , 2019 , 9, 9102	4.9	19
76	Innovative Therapeutic Potential of Cannabinoid Receptors as Targets in Alzheimer's Disease and Less Well-Known Diseases. <i>Current Medicinal Chemistry</i> , 2019 , 26, 3300-3340	4.3	9
75	QSAR Modelling to Identify LRRK2 Inhibitors for Parkinson's Disease. <i>Journal of Integrative Bioinformatics</i> , 2019 , 16,	3.8	6

74	Highly potent and selective aryl-1,2,3-triazolyl benzylpiperidine inhibitors toward butyrylcholinesterase in Alzheimer's disease. <i>Bioorganic and Medicinal Chemistry</i> , 2019 , 27, 931-943	3.4	19
73	Indazolylketones as new multitarget cannabinoid drugs. <i>European Journal of Medicinal Chemistry</i> , 2019 , 166, 90-107	6.8	12
72	Computer-aided molecular design of pyrazolotriazines targeting glycogen synthase kinase 3. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2019 , 34, 87-96	5.6	8
71	Chameleon-like behavior of indolylpiperidines in complex with cholinesterases targets: Potent butyrylcholinesterase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2018 , 145, 431-444	6.8	13
70	Tau-Centric Multitarget Approach for Alzheimer's Disease: Development of First-in-Class Dual Glycogen Synthase Kinase 3 and Tau-Aggregation Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 7640-7656	8.3	53
69	Deciphering the Inhibition of the Neuronal Calcium Sensor 1 and the Guanine Exchange Factor Ric8a with a Small Phenothiazine Molecule for the Rational Generation of Therapeutic Synapse Function Regulators. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 5910-5921	8.3	5
68	Activation of the Cannabinoid Type 2 Receptor by a Novel Indazole Derivative Normalizes the Survival Pattern of Lymphoblasts from Patients with Late-Onset Alzheimer's Disease. <i>CNS Drugs</i> , 2018 , 32, 579-591	6.7	4
67	Cyclic Nucleotide-Specific Phosphodiesterases as Potential Drug Targets for Anti-Leishmania Therapy. <i>Antimicrobial Agents and Chemotherapy</i> , 2018 , 62,	5.9	12
66	Identification of new allosteric sites and modulators of AChE through computational and experimental tools. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , 2018 , 33, 1034-1047	5.6	21
65	Interference of the complex between NCS-1 and Ric8a with phenothiazines regulates synaptic function and is an approach for fragile X syndrome. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E999-E1008	11.5	26
64	Novel Imidazo[4,5-c][1,2,6]thiadiazine 2,2-dioxides as antiproliferative trypanosoma cruzi drugs: Computational screening from neural network, synthesis and in vivo biological properties. <i>European Journal of Medicinal Chemistry</i> , 2017 , 136, 223-234	6.8	8
63	Subtly Modulating Glycogen Synthase Kinase 3 β Allosteric Inhibitor Development and Their Potential for the Treatment of Chronic Diseases. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 4983-5001	8.3	36
62	Medicinal and Biological Chemistry (MBC) Library: An Efficient Source of New Hits. <i>Journal of Chemical Information and Modeling</i> , 2017 , 57, 2143-2151	6.1	20
61	Hybridizing Feature Selection and Feature Learning Approaches in QSAR Modeling for Drug Discovery. <i>Scientific Reports</i> , 2017 , 7, 2403	4.9	36
60	Leucine rich repeat kinase 2 (LRRK2) inhibitors based on indolinone scaffold: Potential pro-neurogenic agents. <i>European Journal of Medicinal Chemistry</i> , 2017 , 138, 328-342	6.8	14
59	Cannabinoid derivatives exert a potent anti-myeloma activity both in vitro and in vivo. <i>International Journal of Cancer</i> , 2017 , 140, 674-685	7.5	20
58	From dual binding site acetylcholinesterase inhibitors to allosteric modulators: A new avenue for disease-modifying drugs in Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2017 , 139, 773-791	6.8	35
57	Chapter 7: In silico Tools for Target Identification and Drug Molecular Docking in Leishmania. <i>RSC Drug Discovery Series</i> , 2017 , 130-152	0.6	1

56	New applications for known drugs: Human glycogen synthase kinase 3 inhibitors as modulators of <i>Aspergillus fumigatus</i> growth. <i>European Journal of Medicinal Chemistry</i> , 2016 , 116, 281-289	6.8	7
55	Therapeutic approaches for the future treatment of Fragile X. <i>Current Opinion in Behavioral Sciences</i> , 2015 , 4, 6-21	4	2
54	From Bitopic Inhibitors to Multitarget Drugs for the Future Treatment of Alzheimer's Disease. <i>Current Medicinal Chemistry</i> , 2015 , 22, 3789-806	4.3	18
53	Cannabinoid agonists showing BuChE inhibition as potential therapeutic agents for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2014 , 73, 56-72	6.8	33
52	Mutagenicity of N-oxide containing heterocycles and related compounds: experimental and theoretical studies. <i>Current Topics in Medicinal Chemistry</i> , 2014 , 14, 1374-87	3	15
51	The value of selected in vitro and in silico methods to predict acute oral toxicity in a regulatory context: results from the European Project ACuteTox. <i>Toxicology in Vitro</i> , 2013 , 27, 1357-76	3.6	28
50	Unraveling phosphodiesterase surfaces. Identification of phosphodiesterase 7 allosteric modulation cavities. <i>European Journal of Medicinal Chemistry</i> , 2013 , 70, 781-8	6.8	4
49	Artificial Neural Networks Based on CODES Descriptors in Pharmacology: Identification of Novel Trypanocidal Drugs against Chagas Disease. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 130-140	1.4	1
48	Multitarget cannabinoids as novel strategy for Alzheimer disease. <i>Current Alzheimer Research</i> , 2013 , 10, 229-39	3	14
47	Artificial Neural Networks Based on CODES Descriptors in Pharmacology: Identification of Novel Trypanocidal Drugs against Chagas Disease. <i>Current Computer-Aided Drug Design</i> , 2013 , 9, 130-140	1.4	4
46	Neuroprotective efficacy of quinazoline type phosphodiesterase 7 inhibitors in cellular cultures and experimental stroke model. <i>European Journal of Medicinal Chemistry</i> , 2012 , 47, 175-85	6.8	53
45	Amidines bearing benzofuroxan or benzimidazole 1,3-dioxide core scaffolds as <i>Trypanosoma cruzi</i> -inhibitors: structural basis for their interactions with cruzipain. <i>MedChemComm</i> , 2012 , 3, 90-101	5	11
44	Identification in silico and experimental validation of novel phosphodiesterase 7 inhibitors with efficacy in experimental autoimmune encephalomyelitis mice. <i>ACS Chemical Neuroscience</i> , 2012 , 3, 793-803	5.7	18
43	Effect of phosphodiesterase 7 (PDE7) inhibitors in experimental autoimmune encephalomyelitis mice. Discovery of a new chemically diverse family of compounds. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 3274-84	8.3	43
42	5-imino-1,2,4-thiadiazoles: first small molecules as substrate competitive inhibitors of glycogen synthase kinase 3. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 1645-61	8.3	61
41	Dissimilar interaction of CB1/CB2 with lipid bilayers as revealed by molecular dynamics simulation. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3660-8	3.6	5
40	Exploring the binding sites of glycogen synthase kinase 3. Identification and characterization of allosteric modulation cavities. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 8461-70	8.3	78
39	Cpl-7, a lysozyme encoded by a pneumococcal bacteriophage with a novel cell wall-binding motif. <i>Journal of Biological Chemistry</i> , 2010 , 285, 33184-33196	5.4	34

38	Chagas disease: progress and new perspectives. <i>Current Medicinal Chemistry</i> , 2010 , 17, 423-52	4.3	45
37	Development of second generation amidinohydrazones, thio- and semicarbazones as Trypanosoma cruzi-inhibitors bearing benzofuroxan and benzimidazole 1,3-dioxide core scaffolds. <i>MedChemComm</i> , 2010 , 1, 216	5	30
36	Neural computational prediction of oral drug absorption based on CODES 2D descriptors. <i>European Journal of Medicinal Chemistry</i> , 2010 , 45, 930-40	6.8	24
35	p-Coumaric acid decarboxylase from <i>Lactobacillus plantarum</i> : structural insights into the active site and decarboxylation catalytic mechanism. <i>Proteins: Structure, Function and Bioinformatics</i> , 2010 , 78, 1662-76	4.2	39
34	Tacrine-melatonin hybrids as multifunctional agents for Alzheimer's disease, with cholinergic, antioxidant, and neuroprotective properties. <i>ChemMedChem</i> , 2009 , 4, 828-41	3.7	132
33	Synthesis, structural analysis, and biological evaluation of thioxoquinazoline derivatives as phosphodiesterase 7 inhibitors. <i>ChemMedChem</i> , 2009 , 4, 866-76	3.7	53
32	Crystal structure of CbpF, a bifunctional choline-binding protein and autolysis regulator from <i>Streptococcus pneumoniae</i> . <i>EMBO Reports</i> , 2009 , 10, 246-51	6.5	43
31	Crystal structure of CbpF, a bifunctional choline-binding protein and autolysis regulator from <i>Streptococcus pneumoniae</i> . <i>EMBO Reports</i> , 2009 , 10, 413-413	6.5	2
30	Interaction studies between human alpha-tocopherol transfer protein and nitric oxide donor tocopherol analogues with LDL-protective activity. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 8143-834	3.4	3
29	Cannabinoid system in neurodegeneration: new perspectives in Alzheimer's disease. <i>Mini-Reviews in Medicinal Chemistry</i> , 2009 , 9, 539-59	3.2	26
28	PDE7 inhibitors as new drugs for neurological and inflammatory disorders. <i>Expert Opinion on Therapeutic Patents</i> , 2008 , 18, 1127-1139	6.8	37
27	Docking, synthesis, and NMR studies of mannosyl trisaccharide ligands for DC-SIGN lectin. <i>Organic and Biomolecular Chemistry</i> , 2008 , 6, 2743-54	3.9	34
26	Artificial Neural Networks in ADMET Modeling: Prediction of Blood-Brain Barrier Permeation. <i>QSAR and Combinatorial Science</i> , 2008 , 27, 586-594		35
25	Design, synthesis, and evaluation of potential inhibitors of nitric oxide synthase. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 6193-206	3.4	19
24	In vivo anti-Chagas vinylthio-, vinylsulfinyl-, and vinylsulfonylbenzofuroxan derivatives. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 6004-15	8.3	32
23	The Tautomerism of 5-Amino-3-oxo-1,2,4-thiadiazole: An Experimental and Theoretical Study. <i>European Journal of Organic Chemistry</i> , 2007 , 2007, 5603-5608	3.2	2
22	The role of cofactor binding in tryptophan accessibility and conformational stability of His-tagged D-amino acid oxidase from <i>Trigonopsis variabilis</i> . <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2007 , 1774, 556-65	4	13
21	Elucidation of the molecular recognition of bacterial cell wall by modular pneumococcal phage endolysin CPL-1. <i>Journal of Biological Chemistry</i> , 2007 , 282, 24990-9	5.4	53

20	Directed mutagenesis alters the stereochemistry of catalysis by isolated ketoreductase domains from the erythromycin polyketide synthase. <i>Chemistry and Biology</i> , 2006 , 13, 277-85		89
19	Unravelling the structure of the pneumococcal autolytic lysozyme. <i>Biochemical Journal</i> , 2005 , 391, 41-9	3.8	13
18	Homology modelling and active-site-mutagenesis study of the catalytic domain of the pneumococcal phosphorylcholine esterase. <i>Bioorganic and Medicinal Chemistry</i> , 2005 , 13, 6404-13	3.4	4
17	Homology models of the cannabinoid CB1 and CB2 receptors. A docking analysis study. <i>European Journal of Medicinal Chemistry</i> , 2005 , 40, 75-83	6.8	72
16	Synthesis and nematocide activity of S-glycopyranosyl-6,7-diarylthiolumazines. <i>Bioorganic and Medicinal Chemistry</i> , 2004 , 12, 4431-7	3.4	6
15	A study of peculiar tautomerism of pyrido[2,3-c][1,2,6]thiadiazine 2,2-dioxide system. <i>Computational and Theoretical Chemistry</i> , 2004 , 678, 83-89		5
14	Active-site-mutagenesis study of rat liver betaine-homocysteine S-methyltransferase. <i>Biochemical Journal</i> , 2003 , 370, 945-52	3.8	19
13	The origin of the serum resistance associated (SRA) gene and a model of the structure of the SRA polypeptide from <i>Trypanosoma brucei rhodesiense</i> . <i>Molecular and Biochemical Parasitology</i> , 2003 , 127, 79-84	1.9	46
12	On the Reactivity of 1H-Pyrazino[2,3-c][1,2,6]thiadiazine 2,2-Dioxide and Derivatives: Nucleophilic Substitution, Amination, Aldol-Type Condensation, Oxidation, and Hydrolysis. <i>Helvetica Chimica Acta</i> , 2003 , 86, 139-146	2	8
11	Plant-based heterologous expression of Mal d 2, a thaumatin-like protein and allergen of apple (<i>Malus domestica</i>), and its characterization as an antifungal protein. <i>Journal of Molecular Biology</i> , 2003 , 329, 721-30	6.5	121
10	Unconventional Alkoxylation of Pyrazino[2,3-c][1,2,6]thiadiazine 2,2-Dioxides Mediated by N-Halosuccinimides. <i>European Journal of Organic Chemistry</i> , 2002 , 2002, 2109	3.2	5
9	Novel bronchodilators in the treatment of asthma and COPD. <i>Expert Opinion on Therapeutic Patents</i> , 2002 , 12, 53-63	6.8	3
8	Phosphoribosyltransferase superfamily: A comparative structural analysis. <i>Journal of Molecular Modeling</i> , 2001 , 7, 80-89	2	1
7	Novel bronchodilators: synthesis, transamination reactions, and pharmacology of a series of pyrazino[2,3-c][1,2,6]thiadiazine 2, 2-dioxides. <i>Journal of Medicinal Chemistry</i> , 2000 , 43, 4219-27	8.3	15
6	An iterative structure-assisted approach to sequence alignment and comparative modeling 1999 , 37, 55-60		29
5	Novel arylpyrazino[2,3-c][1,2,6]thiadiazine 2,2-dioxides as platelet aggregation inhibitors. 2. Optimization by quantitative structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 3279-88	8.3	8
4	Novel arylpyrazino[2,3-c][1,2,6]thiadiazine 2,2-dioxides as inhibitors of platelet aggregation. 1. Synthesis and pharmacological evaluation. <i>Journal of Medicinal Chemistry</i> , 1999 , 42, 1698-704	8.3	18
3	Solvent effect on the tautomerism of 4-aminopyrazino[2,3-c][1,2,6]thiadiazine 2,2-dioxides. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1998 , 1889-1892		11

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|---|---|-----|----|
| 2 | Ring Strain and Hydrogen Bond Acidity. <i>Journal of Organic Chemistry</i> , 1998 , 63, 7759-7763 | 4.2 | 25 |
| 1 | A Novel Tetracyclic System Containing the 1,2,6-Thiadiazine Ring: Synthesis, Structural Assignment and Tautomeric Studies. <i>Heterocycles</i> , 1998 , 48, 1833 | 0.8 | 5 |