Carlos Fraga

List of Publications by Year in Descending Order

211 papers	5,962 citations	36 h-index	70 g-index
244 ext. papers	6,749 ext. citations	3.8 avg, IF	5.64 L-index

#	Paper	IF	Citations
211	Novel Single Inhibitor of HDAC6/8 and Dual Inhibitor of PI3K/HDAC6 as Potential Alternative Treatments for Prostate Cancer. *Pharmaceuticals*, **2021**, 14,	5.2	1
210	Multitarget Inhibition of Histone Deacetylase (HDAC) and Phosphatidylinositol-3-kinase (PI3K): Current and Future Prospects. *ChemMedChem*, **2021**, 16, 448-457	3.7	3
209	Structureâ€property relationship studies of 3-acyl-substituted furans: the serendipitous identification and characterization of a new non-classical hydrogen bond donor moiety. *New Journal of Chemistry*, **2020**, 44, 10994-11005	3.6	3
208	Therapeutic Effects of Anti-Inflammatory -Acylhydrazones in the Resolution of Experimental Colitis. *Journal of Pharmacology and Experimental Therapeutics*, **2020**, 374, 420-427	4.7	1
207	Histone deacetylases as targets for the treatment of neurodegenerative disorders: Challenges and future opportunities. *Medicinal Research Reviews*, **2020**, 40, 2177-2211	14.4	16
206	New 2-amino-pyridinyl-N-acylhydrazones: Synthesis and identification of their mechanism of anti-inflammatory action. *Biomedicine and Pharmacotherapy*, **2020**, 123, 109739	7.5	3
205	Identification of Novel Functionalized Carbohydrazonamides Designed as Chagas Disease Drug Candidates. *Medicinal Chemistry*, **2020**, 16, 774-783	1.8	0
204	Investigating the Molecular Basis for the Selective Inhibition of Aldehyde Dehydrogenase 2 by the Isoflavonoid Daidzin. *CNS and Neurological Disorders - Drug Targets*, **2020**, 19, 437-447	2.6	0
203	Synthesis and trypanocidal activity of novel pyridinyl-1,3,4-thiadiazole derivatives. *Biomedicine and Pharmacotherapy*, **2020**, 127, 110162	7.5	7
202	Design, Synthesis, and Pharmacological Evaluation of First-in-Class Multitarget N-Acylhydrazone Derivatives as Selective HDAC6/8 and PI3K□nhibitors. *ChemMedChem*, **2020**, 15, 539-551	3.7	17
201	Gastroprotective effects of N-acylarylhydrazone derivatives on ethanol-induced gastric lesions in mice are dependent on the NO/cGMP/K pathway. *Biochemical Pharmacology*, **2019**, 169, 113629	6	5
200	Meet Our Section Editor. *Current Topics in Medicinal Chemistry*, **2019**, 18, 2133-2135	3	
199	Duvelisib: A 2018 Novel FDA-Approved Small Molecule Inhibiting Phosphoinositide 3-Kinases. *Pharmaceuticals*, **2019**, 12,	5.2	32
198	Evaluation of Functional Selectivity of Haloperidol, Clozapine, and LASSBio-579, an Experimental Compound With Antipsychotic-Like Actions in Rodents, at G Protein and Arrestin Signaling Downstream of the Dopamine D Receptor. *Frontiers in Pharmacology*, **2019**, 10, 628	5.6	1
197	The Use of Conformational Restriction in Medicinal Chemistry. *Current Topics in Medicinal Chemistry* , **2019**, 19, 1712-1733	3	9
196	New analogs of LASSBio-1829Cl with anti-inflammatory properties. *FASEB Journal*, **2019**, 33, lb41	0.9	
195	Design, Synthesis and Pharmacological Evaluation of Novel Antiinflammatory and Analgesic O-Benzyloxime Compounds Derived From Natural Eugenol. *Letters in Drug Design and Discovery*, **2019**, 16, 1157-1166	0.8	

194	The Chalcone Lonchocarpin Inhibits Wnt/β-Catenin Signaling and Suppresses Colorectal Cancer Proliferation. *Cancers*, **2019**, 11,	6.6	13
193	Structural basis for the agonist action at free fatty acid receptor 1 (FFA1R or GPR40). *Chemical Biology and Drug Design*, **2018**, 91, 668-680	2.9	9
192	Synthesis and pharmacological evaluation of novel isoquinoline N-sulphonylhydrazones designed as ROCK inhibitors. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2018**, 33, 1181-1193	5.6	3
191	N-Acylhydrazones as drugs. *Bioorganic and Medicinal Chemistry Letters*, **2018**, 28, 2797-2806	2.9	67
190	The novel piperazine-containing compound LQFM018: Necroptosis cell death mechanisms, dopamine D receptor binding and toxicological assessment. *Biomedicine and Pharmacotherapy*, **2018**, 102, 481-493	7.5	8
189	Eine ungewöhnliche intramolekulare Halogenbindung führt zu konformationeller Selektion. *Angewandte Chemie*, **2018**, 130, 10120-10126	3.6	
188	An Unusual Intramolecular Halogen Bond Guides Conformational Selection. *Angewandte Chemie - International Edition*, **2018**, 57, 9970-9975	16.4	9
187	Synergistic interaction between a PDE5 inhibitor (sildenafil) and a new adenosine A2A receptor agonist (LASSBio-1359) improves pulmonary hypertension in rats. *PLoS ONE*, **2018**, 13, e0195047	3.7	7
186	NF-κB-IKKβ Pathway as a Target for Drug Development: Realities, Challenges and Perspectives. *Current Drug Targets*, **2018**, 19, 1933-1942	3	26
185	Different mol-ecular conformations in the crystal structures of three 5-nitro-imidazolyl derivatives. *Acta Crystallographica Section E: Crystallographic Communications*, **2018**, 74, 380-384	0.7	
184	Theoretical and experimental characterization of 1,4-N?S ?hole intramolecular interactions in bioactive N-acylhydrazone derivatives. *New Journal of Chemistry*, **2018**, 42, 497-505	3.6	13
183	Discovery of naphthyl-N-acylhydrazone p38α MAPK inhibitors with in vivo anti-inflammatory and anti-TNF-α activity. *Chemical Biology and Drug Design*, **2018**, 91, 391-397	2.9	15
182	Design, Synthesis, Experimental and Theoretical Characterization of a New Multitarget 2-Thienyl--Acylhydrazone Derivative. *Pharmaceuticals*, **2018**, 11,	5.2	3
181	Modeling zinc-oxygen coordination in histone deacetylase: A comparison of semiempirical methods performance. *International Journal of Quantum Chemistry*, **2018**, 118, e25720	2.1	3
180	Cardioprotection Induced by Activation of GPER in Ovariectomized Rats With Pulmonary Hypertension. *Journals of Gerontology - Series A Biological Sciences and Medical Sciences*, **2018**, 73, 1158-1166	6.4	10
179	LASSBio-1422: a new molecular scaffold with efficacy in animal models of schizophrenia and disorders of attention and cognition. *Behavioural Pharmacology*, **2017**, 28, 48-62	2.4	7
178	ROCK inhibition with Fasudil induces beta-catenin nuclear translocation and inhibits cell migration of MDA-MB 231 human breast cancer cells. *Scientific Reports*, **2017**, 7, 13723	4.9	21
177	Adenosine A receptor agonist prevents cardiac remodeling and dysfunction in spontaneously hypertensive male rats after myocardial infarction. *Drug Design, Development and Therapy*, **2017**, 11, 553-562	4.4	20

176	Design, Synthesis, and Trypanocidal Activity of Novel 5-Nitroimidazolyl O-Benzyloxime Ethers. *Journal of Heterocyclic Chemistry*, **2017**, 54, 3626-3631	1.9	3
175	LASSBio-897 Reduces Lung Injury Induced by Silica Particles in Mice: Potential Interaction with the A Receptor. *Frontiers in Pharmacology*, **2017**, 8, 778	5.6	3
174	LASSBio-579, a prototype antipsychotic drug, and clozapine are effective in novel object recognition task, a recognition memory model. *Behavioural Pharmacology*, **2016**, 27, 339-49	2.4	6
173	Filtering promiscuous compounds in early drug discovery: is it a good idea?. *Drug Discovery Today*, **2016**, 21, 868-72	8.8	54
172	Design, Synthesis, and Pharmacological Evaluation of Novel N-Acylhydrazone Derivatives as Potent Histone Deacetylase 6/8 Dual Inhibitors. *Journal of Medicinal Chemistry*, **2016**, 59, 655-70	8.3	61
171	LASSBio-1425, an analog of thalidomide, decreases triglyceride and increases HDL cholesterol levels by inhibition of TNF-□production. *International Journal of Cardiology*, **2016**, 202, 497-9	3.2	7
170	Discovery of Novel Orally Active Tetrahydro-Naphthyl-N-Acylhydrazones with In Vivo Anti-TNF-□ Effect and Remarkable Anti-Inflammatory Properties. *PLoS ONE*, **2016**, 11, e0156271	3.7	14
169	Beyond the Selective Inhibition of Histone Deacetylase 6. *Mini-Reviews in Medicinal Chemistry*, **2016**, 16, 1175-84	3.2	12
168	Understanding the Structural Basis of ALDH-2 Inhibition by Molecular Docking. *Medicinal Chemistry*, **2016**, 12, 506-12	1.8	0
167	LASSBio-1829 Hydrochloride: Development of a New Orally Active N-Acylhydrazone IKK2 Inhibitor with Anti-inflammatory Properties. *ChemMedChem*, **2016**, 11, 234-44	3.7	7
166	Treatment with Adenosine Receptor Agonist Ameliorates Pain Induced by Acute and Chronic Inflammation. *Journal of Pharmacology and Experimental Therapeutics*, **2016**, 358, 315-23	4.7	16
165	Novel agonist of adenosine receptor induces relaxation of corpus cavernosum in guinea pigs: an in vitro and in vivo study. *Urology*, **2015**, 85, 1214.e17-1214.e21	1.6	4
164	Partial agonism and fast dissociation of LASSBio-579 at dopamine D2 receptor. *Progress in Neuro-Psychopharmacology and Biological Psychiatry*, **2015**, 62, 1-6	5.5	3
163	In vivo effect of LASSBio-785, a lipid-lowering and anti-inflammatory agent, on cardiac Ca(2+)-ATPases from hypercholesterolemic rats. *International Journal of Cardiology*, **2015**, 201, 282-4	3.2	2
162	Structural characterization of LASSBio-1289: a new vasoactive N-methyl-N-acylhydrazone derivative. *CrystEngComm*, **2015**, 17, 165-173	3.3	10
161	Synthesis and Biological Evaluation of Pyrazolo[3,4-b]pyridin-4-ones as a New Class of Topoisomerase II Inhibitors. *Medicinal Chemistry*, **2015**, 11, 342-53	1.8	6
160	BUBONIC PLAGUE: HISTORICAL ASPECTS AND THERAPY. *Military Medical Science Letters (Vojenske Zdravotnicke Listy)*, **2015**, 84, 67-75	0.2	1
159	Acylhydrazone derivatives: a patent review. *Expert Opinion on Therapeutic Patents*, **2014**, 24, 1161-70	6.8	36

158	N-acylhydrazone derivative ameliorates monocrotaline-induced pulmonary hypertension through the modulation of adenosine AA2R activity. *International Journal of Cardiology*, **2014**, 173, 154-62	3.2	28
157	N-acylhydrazone improves exercise intolerance in rats submitted to myocardial infarction by the recovery of calcium homeostasis in skeletal muscle. *Life Sciences*, **2014**, 94, 30-6	6.8	6
156	Antiprotozoal activity of (E)-cinnamic N-acylhydrazone derivatives. *Molecules*, **2014**, 19, 20374-81	4.8	9
155	Novel potent imidazo[1,2-a]pyridine-N-Glycinyl-hydrazone inhibitors of TNF-□production: in vitro and in vivo studies. *PLoS ONE*, **2014**, 9, e91660	3.7	11
154	Crystal structures of 1-hydroxylimidazole and imidazole 1-oxide derivatives. *Zeitschrift Fur Kristallographie - Crystalline Materials*, **2014**, 229,	1	3
153	Vasodilator and antihypertensive effects of a novel N-acylhydrazone derivative mediated by the inhibition of L-type Ca†+ channels. *Fundamental and Clinical Pharmacology*, **2014**, 28, 29-41	3.1	6
152	LASSBio-1135: a dual TRPV1 antagonist and anti-TNF-alpha compound orally effective in models of inflammatory and neuropathic pain. *PLoS ONE*, **2014**, 9, e99510	3.7	11
151	Biotransformation of LASSBio-579 and pharmacological evaluation of p-hydroxylated metabolite a N-phenylpiperazine antipsychotic lead compound. *European Journal of Medicinal Chemistry*, **2013**, 62, 214-21	6.8	10
150	A novel Ca2+ channel antagonist reverses cardiac hypertrophy and pulmonary arteriolar remodeling in experimental pulmonary hypertension. *European Journal of Pharmacology*, **2013**, 702, 316-22	2.3	13
149	P.3.c.001 Pharmacological evaluation of new N-phenylpiperazine derivatives designed as homologues of the antipsychotic lead compound LASSBio-579. *European Neuropsychopharmacology* , **2013**, 23, S453	1.2	
148	Synthesis and pharmacological evaluation of new N-phenylpiperazine derivatives designed as homologues of the antipsychotic lead compound LASSBio-579. *European Journal of Medicinal Chemistry*, **2013**, 66, 122-34	6.8	23
147	Beneficial effects of a novel agonist of the adenosine A2A receptor on monocrotaline-induced pulmonary hypertension in rats. *British Journal of Pharmacology*, **2013**, 169, 953-62	8.6	30
146	New insights into pharmacological profile of LASSBio-579, a multi-target N-phenylpiperazine derivative active on animal models of schizophrenia. *Behavioural Brain Research*, **2013**, 237, 86-95	3.4	22
145	Antihyperalgesic effects of a novel muscarinic agonist (LASSBio-873) in spinal nerve ligation in rats. *Clinical and Experimental Pharmacology and Physiology*, **2013**, 40, 404-11	3	3
144	Anti-atherogenic effects of a new thienylacylhydrazone derivative, LASSBio-788, in rats fed a hypercholesterolemic diet. *Journal of Pharmacological Sciences*, **2013**, 123, 47-57	3.7	11
143	Characterization of amide bond conformers for a novel heterocyclic template of N-acylhydrazone derivatives. *Molecules*, **2013**, 18, 11683-704	4.8	58
142	Synthesis and trypanocidal activity of novel 2,4,5-triaryl-N-hydroxylimidazole derivatives. *Molecules*, **2013**, 18, 3445-57	4.8	17
141	Impairment of locomotor activity induced by the novel N-acylhydrazone derivatives LASSBio-785 and LASSBio-786 in mice. *Brazilian Journal of Medical and Biological Research*, **2013**, 46, 263-9	2.8	2

140	Novel furfurylidene N-acylhydrazones derived from natural safrole: discovery of LASSBio-1215, a new potent antiplatelet prototype. *Journal of Enzyme Inhibition and Medicinal Chemistry*, **2012**, 27, 101-9	5.6	6
139	Phenylpiperazine derivatives: a patent review (2006 - present). *Expert Opinion on Therapeutic Patents*, **2012**, 22, 1169-78	6.8	14
138	Design, synthesis, and pharmacological evaluation of N-acylhydrazones and novel conformationally constrained compounds as selective and potent orally active phosphodiesterase-4 inhibitors. *Journal of Medicinal Chemistry*, **2012**, 55, 7525-45	8.3	82
137	Design and synthesis of new (E)-cinnamic N-acylhydrazones as potent antitrypanosomal agents. *European Journal of Medicinal Chemistry*, **2012**, 54, 512-21	6.8	56
136	Antihypertensive profile of 2-thienyl-3,4-methylenedioxybenzoylhydrazone is mediated by activation of the A2A adenosine receptor. *European Journal of Medicinal Chemistry*, **2012**, 55, 49-57	6.8	26
135	Discovery of novel orally active anti-inflammatory N-phenylpyrazolyl-N-glycinyl-hydrazone derivatives that inhibit TNF-□production. *PLoS ONE*, **2012**, 7, e46925	3.7	18
134	Molecular docking and molecular dynamic studies of semi-synthetic piperidine alkaloids as acetylcholinesterase inhibitors. *Journal of the Brazilian Chemical Society*, **2012**, 23, 163-170	1.5	5
133	Synthesis and characterization of the atropisomeric relationships of a substituted N-phenyl-bipyrazole derivative with anti-inflammatory properties. *Chirality*, **2012**, 24, 463-70	2.1	1
132	Natural Products as Lead Compounds in Medicinal Chemistry **2012**, 81-126		1
131	Combination of docking, molecular dynamics and quantum mechanical calculations for metabolism prediction of 3,4-methylenedioxybenzoyl-2-thienylhydrazone. *Journal of Molecular Modeling*, **2012**, 18, 2065-78	2	17
130	(2E)-NR[(E)-Benzyl-idene]-3-phenyl-prop-2-enohydrazide from synchrotron radiation. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2255-6		2
129	(2E)-NR[(E)-2-Hy-droxy-benzyl-idene]-3-phenyl-prop-2-enohydrazide. *Acta Crystallographica Section E: Structure Reports Online*, **2012**, 68, o2253-4		2
128	Molecular modeling studies of Yersinia pestis dihydrofolate reductase. *Journal of Biomolecular Structure and Dynamics*, **2011**, 29, 351-67	3.6	11
127	The methylation effect in medicinal chemistry. *Chemical Reviews*, **2011**, 111, 5215-46	68.1	485
126	Discovery of LASSBio-772, a 1,3-benzodioxole N-phenylpiperazine derivative with potent alpha 1A/D-adrenergic receptor blocking properties. *European Journal of Medicinal Chemistry*, **2011**, 46, 3000-12	6.8	26
125	CYP1A2-mediated biotransformation of cardioactive 2-thienylidene-3,4-methylenedioxybenzoylhydrazine (LASSBio-294) by rat liver microsomes and human recombinant CYP enzymes. *European Journal of Medicinal Chemistry*, **2011**, 46, 349-55	6.8	7
124	Structure-based design and biological profile of (E)-N-(4-Nitrobenzylidene)-2-naphthohydrazide, a novel small molecule inhibitor of IB kinase-□ *European Journal of Medicinal Chemistry*, **2011**, 46, 1245-53	6.8	16
123	Determination of the cardioactive prototype LASSBio-294 and its metabolites in dog plasma by LC-MS/MS: application for a pharmacokinetic study. *Journal of Pharmaceutical and Biomedical Analysis*, **2011**, 55, 1024-30	3.5	5

122	MAOS and medicinal chemistry: some important examples from the last years. *Molecules*, **2011**, 16, 9274-97	4.8	17
121	The role of natural products in the discovery of new drug candidates for the treatment of neurodegenerative disorders II: Alzheimer's disease. *CNS and Neurological Disorders - Drug Targets*, **2011**, 10, 251-70	2.6	67
120	The role of natural products in the discovery of new drug candidates for the treatment of neurodegenerative disorders I: Parkinson's disease. *CNS and Neurological Disorders - Drug Targets*, **2011**, 10, 239-50	2.6	29
119	LASSBio-881: an N-acylhydrazone transient receptor potential vanilloid subfamily type 1 antagonist orally effective against the hypernociception induced by capsaicin or partial sciatic ligation. *British Journal of Pharmacology*, **2010**, 159, 1716-23	8.6	10
118	(2E)-N'[(E)-4-Chloro-benzyl-idene]-3-phenyl-prop-2-enohydrazide monohydrate. *Acta Crystallographica Section E: Structure Reports Online*, **2010**, 66, o2410-1		4
117	Pharmacological characterization of (3-thienylidene)-3,4-methylenedioxybenzoylhydrazide: a novel muscarinic agonist with antihypertensive profile. *American Journal of Hypertension*, **2010**, 23, 135-41	2.3	16
116	LASSBio-294, A compound with inotropic and lusitropic activity, decreases cardiac remodeling and improves Ca++(+) influx into sarcoplasmic reticulum after myocardial infarction. *American Journal of Hypertension*, **2010**, 23, 1220-7	2.3	15
115	Cardiovascular effects induced by N-(4'dihydro)-piperoylthiomorpholine in normotensive rats. *Journal of Pharmacy and Pharmacology*, **2010**, 62, 1794-800	4.8	
114	In vitro and in vivo activities of 1,3,4-thiadiazole-2-arylhydrazone derivatives of megazol against Trypanosoma cruzi. *Antimicrobial Agents and Chemotherapy*, **2010**, 54, 2023-31	5.9	30
113	Discovery of Dual Chemotherapy Drug Candidates Designed by Molecular Hybridization. *Current Enzyme Inhibition*, **2010**, 6, 171-182	0.5	13
112	Searching for multi-target antipsychotics: Discovery of orally active heterocyclic N-phenylpiperazine ligands of D2-like and 5-HT1A receptors. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 1925-35	3.4	50
111	Novel thienylacylhydrazone derivatives inhibit platelet aggregation through cyclic nucleotides modulation and thromboxane A2 synthesis inhibition. *European Journal of Pharmacology*, **2010**, 638, 5-12	5.3	21
110	Characterization of the conformational ensemble from bioactive N-acylhydrazone derivatives. *Journal of Molecular Graphics and Modelling*, **2010**, 28, 446-54	2.8	10
109	Design of new dopamine D2 receptor ligands: biosynthesis and pharmacological evaluation of the hydroxylated metabolite of LASSBio-581. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 2888-91	2.9	6
108	Microwave-assisted synthesis and structure-activity relationships of neuroactive pyrazolo[3,4-b]pyrrolo[3,4-d]pyridine derivatives. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 74-7	2.9	35
107	Structure-based prediction and biosynthesis of the major mammalian metabolite of the cardioactive prototype LASSBio-294. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 3734-6	2.9	10
106	Antimycobacterial Profile of 5-phenyl-1,3,4-thiadiazole-2-arylhydrazone Derivatives. *Letters in Drug Design and Discovery*, **2010**, 7, 606-609	0.8	4
105	Extração e purificação de fármacos anti-inflamatórios não esteroidais ciclo-oxigenase-2 seletivos. *Quimica Nova*, **2009**, 32, 1324-1328	1.6	4

104	5-Phenyl-2-(benzalhydrazonyl)-1,3,4-thiadiazoles, potential trypanocidal agents: consistent dimer formation via Nâ□ □□□N intermolecular hydrogen bonds. *Zeitschrift F□ Kristallographie*, **2009**, 224, 598-606		12
103	Sedation and antinociception induced by a new pyrazolo[3,4-b]pyrrolo[3,4-d]pyridine derivative (LASSBio-873) is modulated by activation of muscarinic receptors. *Pharmacology Biochemistry and Behavior*, **2009**, 94, 70-4	3.9	16
102	Studies towards the identification of putative bioactive conformation of potent vasodilator arylidene N-acylhydrazone derivatives. *European Journal of Medicinal Chemistry*, **2009**, 44, 4004-9	6.8	60
101	Synthesis, pharmacological evaluation and docking studies of new sulindac analogues. *European Journal of Medicinal Chemistry*, **2009**, 44, 1959-71	6.8	7
100	Development of CoMFA and CoMSIA models of affinity and selectivity for indole ligands of cannabinoid CB1 and CB2 receptors. *European Journal of Medicinal Chemistry*, **2009**, 44, 2482-96	6.8	7
99	Discovery of novel analgesic and anti-inflammatory 3-arylamine-imidazo[1,2-a]pyridine symbiotic prototypes. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 74-84	3.4	149
98	Novel 6-methanesulfonamide-3,4-methylenedioxyphenyl-N-acylhydrazones: orally effective anti-inflammatory drug candidates. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 1125-31	3.4	29
97	Synthesis and analgesic profile of conformationally constrained N-acylhydrazone analogues: discovery of novel N-arylideneamino quinazolin-4(3H)-one compounds derived from natural safrole. *Bioorganic and Medicinal Chemistry*, **2009**, 17, 6517-25	3.4	18
96	Design, synthesis and analgesic properties of novel conformationally-restricted N-acylhydrazones (NAH). *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 4963-6	2.9	43
95	Structural insights into IKKbeta inhibition by natural products staurosporine and quercetin. *Bioorganic and Medicinal Chemistry Letters*, **2009**, 19, 6907-10	2.9	10
94	Drug hybridization strategies: before or after lead identification?. *Expert Opinion on Drug Discovery*, **2009**, 4, 605-9	6.2	47
93	From nature to drug discovery: the indole scaffold as a Þprivileged structureR. *Mini-Reviews in Medicinal Chemistry*, **2009**, 9, 782-93	3.2	406
92	Pharmacokinetic evaluation of LASSBio-579: an N-phenylpiperazine antipsychotic prototype. *Journal of Pharmacy and Pharmacology*, **2008**, 60, 699-707	4.8	26
91	CNS-selective noncompetitive cholinesterase inhibitors derived from the natural piperidine alkaloid (-)-spectaline. *European Journal of Pharmacology*, **2008**, 580, 339-49	5.3	30
90	Serotonergic neurotransmission mediates hypothermia induced by the N-phenylpiperazine antipsychotic prototypes LASSBio-579 and LASSBio-581. *Pharmacology Biochemistry and Behavior*, **2008**, 89, 23-30	3.9	13
89	Microbial reduction of alpha-substituted-alpha-acetyl-gamma-butyrolactones. *Catalysis Communications*, **2008**, 9, 1782-1786	3.2	6
88	Improved Solvent-Free Dakin Oxidation Protocol. *Synthetic Communications*, **2008**, 38, 784-788	1.7	20
87	Antinociceptive profile of 2,3,6-trisubstituted piperidine alkaloids: 3-O-acetyl-spectaline and semi-synthetic derivatives of (-)-spectaline. *Chemical and Pharmaceutical Bulletin*, **2008**, 56, 407-12	1.9	18

86	1-Methyl-7-(4-nitro-phen-yl)-3-phenyl-pyrazolo[3,4-b]pyrrolo[3,4-d]pyridine-6,8(3H,7H)-dione. *Acta Crystallographica Section E: Structure Reports Online*, **2008**, 64, o2356		
85	New Insights for Multifactorial Disease Therapy: The Challenge of the Symbiotic Drugs. *Current Drug Therapy*, **2008**, 3, 1-13	0.7	16
84	Synthesis and anti-platelet activity of novel arylsulfonate--acylhydrazone derivatives, designed as antithrombotic candidates. *European Journal of Medicinal Chemistry*, **2008**, 43, 348-56	6.8	52
83	NSAIDs revisited: putative molecular basis of their interactions with peroxisome proliferator-activated gamma receptor (PPARgamma). *European Journal of Medicinal Chemistry*, **2008**, 43, 1918-25	6.8	7
82	Studies toward the structural optimization of new brazilizone-related trypanocidal 1,3,4-thiadiazole-2-arylhydrazone derivatives. *Bioorganic and Medicinal Chemistry*, **2008**, 16, 413-21	3.4	38
81	Atropoisomerismo: o efeito da quiralidade axial em substâncias bioativas. *Quimica Nova*, **2007**, 30, 125-135	1.6	13
80	Synthesis, pharmacological evaluation and electrochemical studies of novel 6-nitro-3,4-methylenedioxyphenyl-N-acylhydrazone derivatives: Discovery of LASSBio-881, a new ligand of cannabinoid receptors. *Bioorganic and Medicinal Chemistry*, **2007**, 15, 2421-33	3.4	53
79	Development and validation of a LC-MS/MS method with electrospray ionization for determination of LASSBio-579 in rat plasma. *Journal of Pharmaceutical and Biomedical Analysis*, **2007**, 43, 677-82	3.5	4
78	Molecular hybridization: a useful tool in the design of new drug prototypes. *Current Medicinal Chemistry*, **2007**, 14, 1829-52	4.3	685
77	Privileged structures: a useful concept for the rational design of new lead drug candidates. *Mini-Reviews in Medicinal Chemistry*, **2007**, 7, 1108-19	3.2	219
76	The Molecular Basis of COX-2 Versus COX-1 Selectivity of Lumiracoxib by Molecular Docking Studies. *Letters in Drug Design and Discovery*, **2007**, 4, 422-425	0.8	2
75	Medicinal chemistry of N-acylhydrazones: new lead-compounds of analgesic, antiinflammatory and antithrombotic drugs. *Current Medicinal Chemistry*, **2006**, 13, 167-98	4.3	78
74	Thalidomide and Analogs as Anti-Inflammatory and Immunomodulator Drug Candidates. *Anti-Inflammatory and Anti-Allergy Agents in Medicinal Chemistry*, **2006**, 5, 79-95	2	5
73	Development of new CoMFA and CoMSIA 3D-QSAR models for anti-inflammatory phthalimide-containing TNFalpha modulators. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 6874-85	3.4	16
72	Design and synthesis of 3,4-methylenedioxy-6-nitrophenoxyacetylhydrazone derivatives obtained from natural safrole: new lead-agents with analgesic and antipyretic properties. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 7924-35	3.4	74
71	Design, synthesis, and pharmacological evaluation of new neuroactive pyrazolo[3,4-b]pyrrolo[3,4-d]pyridine derivatives with in vivo hypnotic and analgesic profile. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 632-40	3.4	37
70	Microbial reduction of □-acetyl-□-butyrolactone. *Tetrahedron: Asymmetry*, **2006**, 17, 984-988		14
69	Synthesis and vasodilatory activity of new N-acylhydrazone derivatives, designed as LASSBio-294 analogues. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 3431-7	3.4	79

68	New selective acetylcholinesterase inhibitors designed from natural piperidine alkaloids. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 4184-90	3.4	43
67	A proposed molecular basis for the selective resveratrol inhibition of the PGHS-1 peroxidase activity. *Bioorganic and Medicinal Chemistry*, **2005**, 13, 5981-5	3.4	2
66	Design, synthesis and antiinflammatory activity of novel phthalimide derivatives, structurally related to thalidomide. *Bioorganic and Medicinal Chemistry Letters*, **2005**, 15, 1169-72	2.9	57
65	Evaluating the prophylactic potential of the phtalimide derivative LASSBio 552 on allergen-evoked inflammation in rats. *European Journal of Pharmacology*, **2005**, 511, 219-27	5.3	
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