Fernanda Borges

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326 papers	10,794 citations	50 h-index	90 g-index
369 ext. papers	12,125 ext. citations	4.6 avg, IF	6.29 L-index

#	Paper	IF	Citations
326	Simple coumarins and analogues in medicinal chemistry: occurrence, synthesis and biological activity. *Current Medicinal Chemistry*, **2005**, 12, 887-916	4.3	683
325	Chromone: a valid scaffold in medicinal chemistry. *Chemical Reviews*, **2014**, 114, 4960-92	68.1	443
324	New insights on the anticancer properties of dietary polyphenols. *Medicinal Research Reviews*, **2006**, 26, 747-66	14.4	414
323	Phenolic acids and derivatives: studies on the relationship among structure, radical scavenging activity, and physicochemical parameters. *Journal of Agricultural and Food Chemistry*, **2000**, 48, 2122-6	5.7	290
322	Plant derived and dietary phenolic antioxidants: anticancer properties. *Food Chemistry*, **2015**, 183, 235-58	3.5	267
321	Progress towards the discovery of xanthine oxidase inhibitors. *Current Medicinal Chemistry*, **2002**, 9, 195-217	4.3	264
320	Phenolic acid derivatives with potential anticancer properties--a structure-activity relationship study. Part 1: methyl, propyl and octyl esters of caffeic and gallic acids. *Bioorganic and Medicinal Chemistry*, **2004**, 12, 3581-9	3.4	251
319	Anticancer activity of phenolic acids of natural or synthetic origin: a structure-activity study. *Journal of Medicinal Chemistry*, **2003**, 46, 5395-401	8.3	217
318	Wine and grape polyphenols â A chemical perspective. *Food Research International*, **2013**, 54, 1844-1858	7	183
317	Chromone as a Privileged Scaffold in Drug Discovery: Recent Advances. *Journal of Medicinal Chemistry*, **2017**, 60, 7941-7957	8.3	173
316	Furocoumarins in medicinal chemistry. Synthesis, natural occurrence and biological activity. *Current Medicinal Chemistry*, **2004**, 11, 3239-61	4.3	166
315	Hydroxycinnamic acid antioxidants: an electrochemical overview. *BioMed Research International*, **2013**, 2013, 251754	3	138
314	Structure-property studies on the antioxidant activity of flavonoids present in diet. *Free Radical Biology and Medicine*, **2005**, 39, 1099-108	7.8	125
313	Chromone, a privileged scaffold for the development of monoamine oxidase inhibitors. *Journal of Medicinal Chemistry*, **2011**, 54, 5165-73	8.3	124
312	The anticancer properties of dietary polyphenols and its relation with apoptosis. *Current Pharmaceutical Design*, **2010**, 16, 114-34	3.3	122
311	New Perspectives on the Use of Phytochemicals as an Emergent Strategy to Control Bacterial Infections Including Biofilms. *Molecules*, **2016**, 21,	4.8	120
310	Antioxidant properties of hydroxycinnamic acids: a review of structure- activity relationships. *Current Medicinal Chemistry*, **2013**, 20, 4436-50	4.3	115

309	Antioxidant profile of dihydroxy- and trihydroxyphenolic acids--a structure-activity relationship study. *Free Radical Research*, **2006**, 40, 433-42	4	111
308	Methamphetamine-induced neuroinflammation and neuronal dysfunction in the mice hippocampus: preventive effect of indomethacin. *European Journal of Neuroscience*, **2010**, 31, 315-26	3.5	106
307	Mitochondrial dysfunction and caspase activation in rat cortical neurons treated with cocaine or amphetamine. *Brain Research*, **2006**, 1089, 44-54	3.7	104
306	Activity cliffs in drug discovery: Dr Jekyll or Mr Hyde?. *Drug Discovery Today*, **2014**, 19, 1069-80	8.8	103
305	Lipophilic caffeic and ferulic acid derivatives presenting cytotoxicity against human breast cancer cells. *Chemical Research in Toxicology*, **2011**, 24, 763-74	4	99
304	Alzheimer© disease, enzyme targets and drug discovery struggles: from natural products to drug prototypes. *Ageing Research Reviews*, **2014**, 15, 116-45	12	98
303	Methamphetamine-induced early increase of IL-6 and TNF-alpha mRNA expression in the mouse brain. *Annals of the New York Academy of Sciences*, **2008**, 1139, 103-11	6.5	97
302	Alkyl esters of hydroxycinnamic acids with improved antioxidant activity and lipophilicity protect PC12 cells against oxidative stress. *Biochimie*, **2012**, 94, 961-7	4.6	86
301	Methamphetamine transiently increases the blood-brain barrier permeability in the hippocampus: role of tight junction proteins and matrix metalloproteinase-9. *Brain Research*, **2011**, 1411, 28-40	3.7	86
300	Synthesis and antioxidant activity of long chain alkyl hydroxycinnamates. *European Journal of Medicinal Chemistry*, **2011**, 46, 773-7	6.8	83
299	Methamphetamine induces alterations on hippocampal NMDA and AMPA receptor subunit levels and impairs spatial working memory. *Neuroscience*, **2007**, 150, 433-41	3.9	83
298	Effects of olive oil polyphenols on erythrocyte oxidative damage. *Molecular Nutrition and Food Research*, **2009**, 53, 609-16	5.9	82
297	Lipophilic phenolic antioxidants: correlation between antioxidant profile, partition coefficients and redox properties. *Bioorganic and Medicinal Chemistry*, **2010**, 18, 5816-25	3.4	77
296	New halogenated 3-phenylcoumarins as potent and selective MAO-B inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2010**, 20, 5157-60	2.9	73
295	The toxicity of N-methyl-alpha-methyldopamine to freshly isolated rat hepatocytes is prevented by ascorbic acid and N-acetylcysteine. *Toxicology*, **2004**, 200, 193-203	4.4	72
294	Structure-property-activity relationship of phenolic acids and derivatives. Protocatechuic acid alkyl esters. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 6986-93	5.7	71
293	Street heroin induces mitochondrial dysfunction and apoptosis in rat cortical neurons. *Journal of Neurochemistry*, **2007**, 101, 543-54	6	71
292	Hepatotoxicity of 3,4-methylenedioxyamphetamine and alpha-methyldopamine in isolated rat hepatocytes: formation of glutathione conjugates. *Archives of Toxicology*, **2004**, 78, 16-24	5.8	70

291	Dietary phenolic acids and derivatives. Evaluation of the antioxidant activity of sinapic acid and its alkyl esters. *Journal of Agricultural and Food Chemistry*, **2010**, 58, 11273-80	5.7	68
290	Chromone 3-phenylcarboxamides as potent and selective MAO-B inhibitors. *Bioorganic and Medicinal Chemistry Letters*, **2011**, 21, 707-9	2.9	68
289	Computational chemistry development of a unified free energy Markov model for the distribution of 1300 chemicals to 38 different environmental or biological systems. *Journal of Computational Chemistry*, **2007**, 28, 1909-23	3.5	67
288	Role of metabolites in MDMA (ecstasy)-induced nephrotoxicity: an in vitro study using rat and human renal proximal tubular cells. *Archives of Toxicology*, **2002**, 76, 581-8	5.8	66
287	Metabolism is required for the expression of ecstasy-induced cardiotoxicity in vitro. *Chemical Research in Toxicology*, **2004**, 17, 623-32	4	66
286	Discovery of New Chemical Entities for Old Targets: Insights on the Lead Optimization of Chromone-Based Monoamine Oxidase B (MAO-B) Inhibitors. *Journal of Medicinal Chemistry*, **2016**, 59, 5879-93	8.3	65
285	Beta-nitrostyrene derivatives as potential antibacterial agents: a structure-property-activity relationship study. *Bioorganic and Medicinal Chemistry*, **2006**, 14, 4078-88	3.4	65
284	Effects of phenolic propyl esters on the oxidative stability of refined sunflower oil. *Journal of Agricultural and Food Chemistry*, **2001**, 49, 3936-41	5.7	63
283	New insights into the antioxidant activity of hydroxycinnamic acids: Synthesis and physicochemical characterization of novel halogenated derivatives. *European Journal of Medicinal Chemistry*, **2009**, 44, 2092-9	6.8	62
282	Caffeic acid derivatives, analogs and applications: a patent review (2009-2013). *Expert Opinion on Therapeutic Patents*, **2014**, 24, 1257-70	6.8	59
281	Electrochemical oxidation of amphetamine-like drugs and application to electroanalysis of ecstasy in human serum. *Bioelectrochemistry*, **2010**, 79, 77-83	5.6	58
280	Synthesis and vasorelaxant and platelet antiaggregatory activities of a new series of 6-halo-3-phenylcoumarins. *Molecules*, **2010**, 15, 270-9	4.8	55
279	Neurotoxicity of heroin-cocaine combinations in rat cortical neurons. *Toxicology*, **2010**, 276, 11-7	4.4	54
278	Synthesis and cytotoxic profile of 3,4-methylenedioxymethamphetamine ("ecstasy") and its metabolites on undifferentiated PC12 cells: A putative structure-toxicity relationship. *Chemical Research in Toxicology*, **2006**, 19, 1294-304	4	51
277	Development of electrochemical methods for determination of tramadol--analytical application to pharmaceutical dosage forms. *Journal of Pharmaceutical and Biomedical Analysis*, **2003**, 32, 975-81	3.5	51
276	Multi-target spectral moments for QSAR and Complex Networks study of antibacterial drugs. *European Journal of Medicinal Chemistry*, **2009**, 44, 4516-21	6.8	49
275	Two new parameters based on distances in a receiver operating characteristic chart for the selection of classification models. *Journal of Chemical Information and Modeling*, **2011**, 51, 2746-59	6.1	48
274	Evaluation of the lipophilic properties of opioids, amphetamine-like drugs, and metabolites through electrochemical studies at the interface between two immiscible solutions. *Analytical Biochemistry*, **2007**, 361, 236-43	3.1	48

273	Alzheimer disease, cholesterol, and statins: the junctions of important metabolic pathways. *Angewandte Chemie - International Edition*, **2013**, 52, 1110-21	16.4	46
272	Exploring nature profits: development of novel and potent lipophilic antioxidants based on galloyl-cinnamic hybrids. *European Journal of Medicinal Chemistry*, **2013**, 62, 289-96	6.8	46
271	Voltammetric Oxidation of Drugs of Abuse I. Morphine and Metabolites. *Electroanalysis*, **2004**, 16, 1419-1426	3	45
270	Using microfluidic platforms to develop CNS-targeted polymeric nanoparticles for HIV therapy. *European Journal of Pharmaceutics and Biopharmaceutics*, **2019**, 138, 111-124	5.7	45
269	Remarkable antioxidant properties of a series of hydroxy-3-arylcoumarins. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 3900-6	3.4	44
268	8-Substituted 3-arylcoumarins as potent and selective MAO-B inhibitors: synthesis, pharmacological evaluation, and docking studies. *ChemMedChem*, **2012**, 7, 464-70	3.7	44
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266	Antioxidant therapy: still in search of the magic bullet *Mitochondrion*, **2013**, 13, 427-35	4.9	43
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264	Computational chemistry approach for the early detection of drug-induced idiosyncratic liver toxicity. *Journal of Computational Chemistry*, **2008**, 29, 533-49	3.5	42
263	Discovery of novel A3 adenosine receptor ligands based on chromone scaffold. *Biochemical Pharmacology*, **2012**, 84, 21-9	6	41
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261	Mitochondria: Targeting mitochondrial reactive oxygen species with mitochondriotropic polyphenolic-based antioxidants. *International Journal of Biochemistry and Cell Biology*, **2018**, 97, 98-103	5.6	40
260	Chalcone-based derivatives as new scaffolds for hA3 adenosine receptor antagonists. *Journal of Pharmacy and Pharmacology*, **2013**, 65, 697-703	4.8	40
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257	Desirability-based multiobjective optimization for global QSAR studies: application to the design of novel NSAIDs with improved analgesic, antiinflammatory, and ulcerogenic profiles. *Journal of Computational Chemistry*, **2008**, 29, 2445-59	3.5	40
256	Multi-target-directed ligands for Alzheimer disease: Discovery of chromone-based monoamine oxidase/cholinesterase inhibitors. *European Journal of Medicinal Chemistry*, **2018**, 158, 781-800	6.8	40

255	Design and discovery of tyrosinase inhibitors based on a coumarin scaffold. *RSC Advances*, **2015**, 5, 94227-94235	3.7	39
254	Combining QSAR classification models for predictive modeling of human monoamine oxidase inhibitors. *European Journal of Medicinal Chemistry*, **2013**, 59, 75-90	6.8	39
253	Antioxidant versus cytotoxic properties of hydroxycinnamic acid derivatives - a new paradigm in phenolic research. *Archiv Der Pharmazie*, **2008**, 341, 164-73	4.3	39
252	Dietary Polyphenols and Mitochondrial Function: Role in Health and Disease. *Current Medicinal Chemistry*, **2019**, 26, 3376-3406	4.3	39
251	The chemistry toolbox of multitarget-directed ligands for Alzheimer© disease. *European Journal of Medicinal Chemistry*, **2019**, 181, 111572	6.8	38
250	Multi-target spectral moment: QSAR for antifungal drugs vs. different fungi species. *European Journal of Medicinal Chemistry*, **2009**, 44, 4051-6	6.8	38
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248	Potentiometric studies on the complexation of copper(II) by phenolic acids as discrete ligand models of humic substances. *Talanta*, **2005**, 66, 670-3	6.2	38
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244	NO and HNO donors, nitrones, and nitroxides: Past, present, and future. *Medicinal Research Reviews* , **2018**, 38, 1159-1187	14.4	37
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239	Voltammetric Oxidation of Drugs of Abuse II. Codeine and Metabolites. *Electroanalysis*, **2004**, 16, 1427-1433	3	35
238	Alzheimer© disease and antioxidant therapy: how long how far?. *Current Medicinal Chemistry*, **2013**, 20, 2939-52	4.3	35

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232	Voltammetric Oxidation of Drugs of Abuse III. Heroin and Metabolites. *Electroanalysis*, **2004**, 16, 1497-1502		33
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220	Substituted xanthones as selective and reversible monoamine oxidase A (MAO-A) inhibitors. *Pharmaceutical Research*, **1993**, 10, 1187-90	4.5	26

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218	Systemic QSAR and phenotypic virtual screening: chasing butterflies in drug discovery. *Drug Discovery Today*, **2017**, 22, 994-1007	8.8	25
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204	PEGylated PLGA Nanoparticles As a Smart Carrier to Increase the Cellular Uptake of a Coumarin-Based Monoamine Oxidase B Inhibitor. *ACS Applied Materials & Interfaces*, **2018**, 10, 39557-39569	9.5	23
203	Carbon nanotube Ecyclodextrin modified electrode as enhanced sensing platform for the determination of fungicide pyrimethanil. *Food Control*, **2016**, 60, 7-11	6.2	22
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