

Maria J Matos

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/4057360/maria-j-matos-publications-by-year.pdf>

Version: 2024-04-29

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

123
papers

3,239
citations

32
h-index

53
g-index

142
ext. papers

3,862
ext. citations

5.1
avg, IF

5.33
L-index

#	Paper	IF	Citations
123	Synthesis and study of the trypanocidal activity of catechol-containing 3-arylcoumarins, inclusion in Eyclodextrin complexes and combination with benznidazole. <i>Arabian Journal of Chemistry</i> , 2022 , 15, 103641	5.9	0
122	Study of a Selected Series of 3- and 4-Arylcoumarins as Antifungal Agents against Dermatophytic Fungi: <i>T. rubrum</i> and <i>T. mentagrophytes</i> . <i>ChemistrySelect</i> , 2021 , 6, 9981-9989	1.8	
121	Computer-aided Design of Coumarins for Neurodegenerative Diseases: Trends of the Last Decade. <i>Current Topics in Medicinal Chemistry</i> , 2021 , 21, 2245-2257	3	0
120	Chemical and biological analysis of 4-acyloxy-3-nitrocoumarins as trypanocidal agents. <i>Arabian Journal of Chemistry</i> , 2021 , 14, 102975	5.9	2
119	Combined 3D-QSAR and docking analysis for the design and synthesis of chalcones as potent and selective monoamine oxidase B inhibitors. <i>Bioorganic Chemistry</i> , 2021 , 108, 104689	5.1	10
118	7-Amidocoumarins as Multitarget Agents against Neurodegenerative Diseases: Substitution Pattern Modulation. <i>ChemMedChem</i> , 2021 , 16, 179-186	3.7	7
117	Trending Topics on Coumarin and Its Derivatives in 2020. <i>Molecules</i> , 2021 , 26,	4.8	31
116	Multitarget therapeutic approaches for Alzheimer [®] and Parkinson [®] diseases: an opportunity or an illusion?. <i>Future Medicinal Chemistry</i> , 2021 , 13, 1301-1309	4.1	2
115	Theobroma cacao L. compounds: Theoretical study and molecular modeling as inhibitors of main SARS-CoV-2 protease. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 140, 111764	7.5	6
114	3-Arylcoumarins as highly potent and selective monoamine oxidase B inhibitors: Which chemical features matter?. <i>Bioorganic Chemistry</i> , 2020 , 101, 103964	5.1	10
113	Discovery and optimization of 3-thiophenylcoumarins as novel agents against Parkinson [®] disease: Synthesis, in vitro and in vivo studies. <i>Bioorganic Chemistry</i> , 2020 , 101, 103986	5.1	8
112	Looking for new xanthine oxidase inhibitors: 3-Phenylcoumarins versus 2-phenylbenzofurans. <i>International Journal of Biological Macromolecules</i> , 2020 , 162, 774-780	7.9	8
111	Coumarin-Rasagiline Hybrids as Potent and Selective hMAO-B Inhibitors, Antioxidants, and Neuroprotective Agents. <i>ChemMedChem</i> , 2020 , 15, 532-538	3.7	10
110	Structure-Based Optimization of Coumarin hA Adenosine Receptor Antagonists. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 2577-2587	8.3	9
109	Sequential dual site-selective protein labelling enabled by lysine modification. <i>Bioorganic and Medicinal Chemistry</i> , 2020 , 28, 115783	3.4	1
108	Adenosine Receptor Ligands: Coumarin-Chalcone Hybrids as Modulating Agents on the Activity of ARs. <i>Molecules</i> , 2020 , 25,	4.8	3
107	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 6640-6644	16.4	28

106	Quaternization of Vinyl/Alkynyl Pyridine Enables Ultrafast Cysteine-Selective Protein Modification and Charge Modulation. <i>Angewandte Chemie</i> , 2019 , 131, 6712-6716	3.6	7
105	Antibacterial Activity and Molecular Docking Studies of a Selected Series of Hydroxy-3-arylcoumarins. <i>Molecules</i> , 2019 , 24,	4.8	36
104	Enhancement of the Anti-Aggregation Activity of a Molecular Chaperone Using a Rationally Designed Post-Translational Modification. <i>ACS Central Science</i> , 2019 , 5, 1417-1424	16.8	11
103	Design, Synthesis and Docking Calculations of Prenylated Chalcones as Selective Monoamine Oxidase B Inhibitors with Antioxidant Activity. <i>ChemistrySelect</i> , 2019 , 4, 7698-7703	1.8	5
102	Facing Novel Challenges in Neurodegenerative Diseases Drug Discovery: From Small Molecules to Targeted Therapies. <i>Proceedings (mdpi)</i> , 2019 , 22, 14	0.3	
101	Artificial Intelligence Applied to Flavonoid Data in Food Matrices. <i>Foods</i> , 2019 , 8,	4.9	3
100	Lysine Bioconjugation on Native Albumin with a Sulfonyl Acrylate Reagent. <i>Methods in Molecular Biology</i> , 2019 , 2033, 25-37	1.4	3
99	Efficient and irreversible antibody-cysteine bioconjugation using carbonylacrylic reagents. <i>Nature Protocols</i> , 2019 , 14, 86-99	18.8	32
98	Novel Coumarin-Quinoline Hybrids: Design of Multitarget Compounds for Alzheimer's Disease. <i>ChemistrySelect</i> , 2019 , 4, 551-558	1.8	18
97	Synthesis, molecular docking and cholinesterase inhibitory activity of hydroxylated 2-phenylbenzofuran derivatives. <i>Bioorganic Chemistry</i> , 2019 , 84, 302-308	5.1	9
96	Chemo- and Regioselective Lysine Modification on Native Proteins. <i>Journal of the American Chemical Society</i> , 2018 , 140, 4004-4017	16.4	145
95	A thioether-directed palladium-cleavable linker for targeted bioorthogonal drug decaging. <i>Chemical Science</i> , 2018 , 9, 4185-4189	9.4	52
94	Learning from nature: the role of albumin in drug delivery. <i>Future Medicinal Chemistry</i> , 2018 , 10, 983-985	4.1	2
93	Trends in patented chromones for skin diseases. <i>Pharmaceutical Patent Analyst</i> , 2018 , 7, 107-109	0.6	
92	Synthesis and Biological Evaluation of Homogeneous Thiol-Linked NHC*-Au-Albumin and -Trastuzumab Bioconjugates. <i>Chemistry - A European Journal</i> , 2018 , 24, 12250-12253	4.8	21
91	Novel 2-phenylbenzofuran derivatives as selective butyrylcholinesterase inhibitors for Alzheimer's disease. <i>Scientific Reports</i> , 2018 , 8, 4424	4.9	51
90	Unexpected one-step synthesis of 3-benzoyl-2-phenylbenzofurans under Wittig conditions. <i>Tetrahedron Letters</i> , 2018 , 59, 1711-1714	2	10
89	Coumarins and adenosine receptors: New perceptions in structure-affinity relationships. <i>Chemical Biology and Drug Design</i> , 2018 , 91, 245-256	2.9	5

88	Evaluation of Trypanocidal and Antioxidant Activities of a Selected Series of 3-amidocoumarins. <i>Medicinal Chemistry</i> , 2018 , 14, 573-584	1.8	6
87	Targeting β (1,4)-Glucosidase in Diabetes Mellitus Type 2: The Role of New Synthetic Coumarins as Potent Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2018 , 18, 2327-2337	3	2
86	PEGylated PLGA Nanoparticles As a Smart Carrier to Increase the Cellular Uptake of a Coumarin-Based Monoamine Oxidase B Inhibitor. <i>ACS Applied Materials & Interfaces</i> , 2018 , 10, 39557-39563	9.5	33
85	Coumarin derivatives as promising xanthine oxidase inhibitors. <i>International Journal of Biological Macromolecules</i> , 2018 , 120, 1286-1293	7.9	27
84	A silicon-labelled amino acid suitable for late-stage fluorination and unexpected oxidative cleavage reactions in the preparation of a key intermediate in the Strecker synthesis. <i>Peptide Science</i> , 2018 , 110, e24069	3	1
83	New insights into highly potent tyrosinase inhibitors based on 3-heteroaryl coumarins: Anti-melanogenesis and antioxidant activities, and computational molecular modeling studies. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 1687-1695	3.4	37
82	MAO inhibitory activity of bromo-2-phenylbenzofurans: synthesis, study, and docking calculations. <i>MedChemComm</i> , 2017 , 8, 1788-1796	5	12
81	Coumarin versus Chromone Monoamine Oxidase B Inhibitors: Quo Vadis?. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 7206-7212	8.3	35
80	Chemoselective Installation of Amine Bonds on Proteins through Aza-Michael Ligation. <i>Journal of the American Chemical Society</i> , 2017 , 139, 18365-18375	16.4	59
79	In silico genotoxicity of coumarins: application of the Phenol-Explorer food database to functional food science. <i>Food and Function</i> , 2017 , 8, 2958-2966	6.1	10
78	Trends in therapeutic drug conjugates for bacterial diseases: a patent review. <i>Expert Opinion on Therapeutic Patents</i> , 2017 , 27, 179-189	6.8	19
77	Structural elucidation of a series of 6-methyl-3-carboxamidocoumarins. <i>Magnetic Resonance in Chemistry</i> , 2017 , 55, 373-378	2.1	1
76	Synthesis, antioxidant and antichagasic properties of a selected series of hydroxy-3-aryl coumarins. <i>Bioorganic and Medicinal Chemistry</i> , 2017 , 25, 621-632	3.4	24
75	Heterocyclic Antioxidants in Nature: Coumarins. <i>Current Organic Chemistry</i> , 2017 , 21, 311-324	1.7	25
74	Coumarins as Promising Scaffold for the Treatment of Age-related Diseases - An Overview of the Last Five Years. <i>Current Topics in Medicinal Chemistry</i> , 2017 , 17, 3173-3189	3	7
73	Stoichiometric and irreversible cysteine-selective protein modification using carbonylacrylic reagents. <i>Nature Communications</i> , 2016 , 7, 13128	17.4	107
72	Progress in the development of small molecules as new human A3 adenosine receptor ligands based on the 3-thiophenyl coumarin core. <i>MedChemComm</i> , 2016 , 7, 845-852	5	2
71	2-Phenylbenzofuran derivatives as butyrylcholinesterase inhibitors: Synthesis, biological activity and molecular modeling. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016 , 26, 2308-13	2.9	43

70	Crystal structures of three 6-substituted coumarin-3-carboxamide derivatives. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 926-32	0.7	11
69	6-Methyl-2-oxo-N-(quinolin-6-yl)-2H-chromene-3-carboxamide: crystal structure and Hirshfeld surface analysis. <i>Acta Crystallographica Section E: Crystallographic Communications</i> , 2016 , 72, 1121-5	0.7	2
68	Facing Chagas Disease: Trypanocidal Properties of New Coumarin-chalcone Scaffolds. <i>Medicinal Chemistry</i> , 2016 , 12, 537-543	1.8	6
67	Exploring coumarin potentialities: development of new enzymatic inhibitors based on the 6-methyl-3-carboxamidocoumarin scaffold. <i>RSC Advances</i> , 2016 , 6, 49764-49768	3.7	10
66	Evaluation of Antioxidant and Antitrypanosomal Properties of a Selected Series of Synthetic 3-Carboxamidocoumarins. <i>ChemistrySelect</i> , 2016 , 1, 4957-4964	1.8	3
65	Potent and selective MAO-B inhibitory activity: amino- versus nitro-3-aryl coumarin derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 642-8	2.9	21
64	Design, synthesis and antibacterial study of new potent and selective coumarin-chalcone derivatives for the treatment of tenacibaculosis. <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 7045-52	3.4	23
63	Design and discovery of tyrosinase inhibitors based on a coumarin scaffold. <i>RSC Advances</i> , 2015 , 5, 94227-94239	3.7	39
62	In silico clastogenic activity of dietary phenolic acids. <i>LWT - Food Science and Technology</i> , 2015 , 61, 216-223	3.3	3
61	3-Amidocoumarins as Potential Multifunctional Agents against Neurodegenerative Diseases. <i>ChemMedChem</i> , 2015 , 10, 2071-9	3.7	14
60	Bioactive Coumarins from Marine Sources: Origin, Structural Features and Pharmacological Properties. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 1755-66	3	18
59	Study of coumarin-resveratrol hybrids as potent antioxidant compounds. <i>Molecules</i> , 2015 , 20, 3290-308	4.8	24
58	Coumarins [An Important Class of Phytochemicals 2015 ,		47
57	Development of novel adenosine receptor ligands based on the 3-amidocoumarin scaffold. <i>Bioorganic Chemistry</i> , 2015 , 61, 1-6	5.1	8
56	Potential pharmacological uses of chalcones: a patent review (from June 2011 - 2014). <i>Expert Opinion on Therapeutic Patents</i> , 2015 , 25, 351-66	6.8	100
55	Synthesis and pharmacological activities of non-flavonoid chromones: a patent review (from 2005 to 2015). <i>Expert Opinion on Therapeutic Patents</i> , 2015 , 25, 1285-304	6.8	8
54	Oxidative Stress and Neurodegenerative Diseases: Looking for a Therapeutic Solution Inspired on Benzopyran Chemistry. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 432-445	3	21
53	Interest of antioxidant agents in parasitic diseases. The case study of coumarins. <i>Current Topics in Medicinal Chemistry</i> , 2015 , 15, 850-6	3	12

52	Chromone: a valid scaffold in medicinal chemistry. <i>Chemical Reviews</i> , 2014 , 114, 4960-92	68.1	443
51	Insight into the functional and structural properties of 3-arylcoumarin as an interesting scaffold in monoamine oxidase B inhibition. <i>ChemMedChem</i> , 2014 , 9, 1488-500	3.7	29
50	Synthesis, pharmacological study and docking calculations of new benzo[f]coumarin derivatives as dual inhibitors of enzymatic systems involved in neurodegenerative diseases. <i>Future Medicinal Chemistry</i> , 2014 , 6, 371-83	4.1	23
49	Synthesis and electrochemical study of new 3-(hydroxyphenyl)benzo[f]coumarins. <i>Journal of Electroanalytical Chemistry</i> , 2014 , 726, 62-70	4.1	4
48	Insight into the interactions between novel coumarin derivatives and human A3 adenosine receptors. <i>ChemMedChem</i> , 2014 , 9, 2245-53	3.7	11
47	Synthesis and electrochemical and biological studies of novel coumarin-chalcone hybrid compounds. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 6136-45	8.3	72
46	Remarkable antioxidant properties of a series of hydroxy-3-arylcoumarins. <i>Bioorganic and Medicinal Chemistry</i> , 2013 , 21, 3900-6	3.4	44
45	Synthesis and adenosine receptors binding affinities of a series of 3-arylcoumarins. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 1590-7	4.8	14
44	Comparative study of the 3-phenylcoumarin scaffold: Synthesis, X-ray structural analysis and semiempirical calculations of a selected series of compounds. <i>Journal of Molecular Structure</i> , 2013 , 1050, 185-191	3.4	2
43	New hydroxylated 3-arylcoumarins, synthesis and electrochemical study. <i>Journal of Electroanalytical Chemistry</i> , 2013 , 689, 243-251	4.1	7
42	Targeting adenosine receptors with coumarins: synthesis and binding activities of amide and carbamate derivatives. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 30-4	4.8	12
41	MAO inhibitory activity of 2-arylbenzofurans versus 3-arylcoumarins: synthesis, in vitro study, and docking calculations. <i>ChemMedChem</i> , 2013 , 8, 956-66	3.7	23
40	Synthesis and structure-activity relationships of novel amino/nitro substituted 3-arylcoumarins as antibacterial agents. <i>Molecules</i> , 2013 , 18, 1394-404	4.8	49
39	Novel (coumarin-3-yl)carbamates as selective MAO-B inhibitors: synthesis, in vitro and in vivo assays, theoretical evaluation of ADME properties and docking study. <i>European Journal of Medicinal Chemistry</i> , 2013 , 63, 151-61	6.8	37
38	Chalcone-based derivatives as new scaffolds for hA3 adenosine receptor antagonists. <i>Journal of Pharmacy and Pharmacology</i> , 2013 , 65, 697-703	4.8	40
37	Synthesis of coumarin-chalcone hybrids and evaluation of their antioxidant and trypanocidal properties. <i>MedChemComm</i> , 2013 , 4, 993	5	56
36	Synthesis, NMR characterization, X-ray structural analysis and theoretical calculations of amide and ester derivatives of the coumarin scaffold. <i>Journal of Molecular Structure</i> , 2013 , 1041, 144-150	3.4	3
35	Synthesis and evaluation of antioxidant and trypanocidal properties of a selected series of coumarin derivatives. <i>Future Medicinal Chemistry</i> , 2013 , 5, 1911-22	4.1	23

34	Focusing on New Monoamine Oxidase Inhibitors: Differently Substituted Coumarins As An Interesting Scaffold. <i>Current Topics in Medicinal Chemistry</i> , 2013 , 12, 2210-2239	3	3
33	QSAR and Complex Network Recognition of miRNAs in Stem Cells. <i>Current Bioinformatics</i> , 2013 , 8, 438-457	4.7	2
32	[(2S,3aR,6aR)-5-Oxohexa-hydro-furo[3,2-b]furan-2-yl]methyl acetate. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o772		
31	(1S,2S,5S)-2-Methyl-3-oxo-5-(prop-1-en-2-yl)cyclo-hexane-1-carbo-nitrile. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2013 , 69, o799		
30	Hydroxycoumarins as selective MAO-B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012 , 22, 258-61	2.9	39
29	Tyrosine-like condensed derivatives as tyrosinase inhibitors. <i>Journal of Pharmacy and Pharmacology</i> , 2012 , 64, 742-6	4.8	12
28	In search for new chemical entities as adenosine receptor ligands: development of agents based on benzo-pyrone skeleton. <i>European Journal of Medicinal Chemistry</i> , 2012 , 54, 914-8	6.8	24
27	Improved Synthesis of 3-(Aminoaryl)coumarins. <i>Organic Preparations and Procedures International</i> , 2012 , 44, 522-526	1.1	4
26	Lipodystrophy defined by Fat Mass Ratio in HIV-infected patients is associated with a high prevalence of glucose disturbances and insulin resistance. <i>BMC Infectious Diseases</i> , 2012 , 12, 180	4	12
25	Thyroid carcinoma in children and adolescents: a retrospective review. <i>Endocrinologia Y Nutricion: Organo De La Sociedad Espanola De Endocrinologia Y Nutricion</i> , 2012 , 59, 105-8		9
24	Looking for new targets: simple coumarins as antibacterial agents. <i>Medicinal Chemistry</i> , 2012 , 8, 1140-5	1.8	54
23	3-Substituted coumarins as dual inhibitors of AChE and MAO for the treatment of Alzheimer's disease. <i>MedChemComm</i> , 2012 , 3, 213-218	5	73
22	8-Substituted 3-arylcoumarins as potent and selective MAO-B inhibitors: synthesis, pharmacological evaluation, and docking studies. <i>ChemMedChem</i> , 2012 , 7, 464-70	3.7	44
21	Structural alerts for predicting clastogenic activity of pro-oxidant flavonoid compounds: quantitative structure-activity relationship study. <i>Journal of Biomolecular Screening</i> , 2012 , 17, 216-24		10
20	Focusing on new monoamine oxidase inhibitors: differently substituted coumarins as an interesting scaffold. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 2210-39	3	58
19	Monoamine oxidase inhibitors: ten years of docking studies. <i>Current Topics in Medicinal Chemistry</i> , 2012 , 12, 2145-62	3	25
18	3-Phenyl-coumarin. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o2645		6
17	N-(2-Oxo-2H-chromen-3-yl)cyclo-hexane-carboxamide. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2012 , 68, o3447-8		

16	Looking for New Targets: Simple Coumarins as Antibacterial Agents. <i>Medicinal Chemistry</i> , 2012 , 8, 1140-1145	11.5	4
15	Monoamino oxidase a: an interesting pharmacological target for the development of multi-target QSAR. <i>Mini-Reviews in Medicinal Chemistry</i> , 2012 , 12, 947-58	3.2	12
14	Prevalence of obesity and its relationship to clinical lipodystrophy in HIV-infected adults on anti-retroviral therapy. <i>Journal of Endocrinological Investigation</i> , 2012 , 35, 964-70	5.2	10
13	Importance of (99mTc-sestaMIBI thyroid scan in a case of amiodarone-induced thyrotoxicosis. <i>Arquivos Brasileiros De Endocrinologia E Metabologia</i> , 2011 , 55, 486-9		4
12	Synthesis and study of a series of 3-arylcoumarins as potent and selective monoamine oxidase B inhibitors. <i>Journal of Medicinal Chemistry</i> , 2011 , 54, 7127-37	8.3	119
11	New halogenated phenylcoumarins as tyrosinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 3342-5	2.9	50
10	MAO inhibitory activity modulation: 3-Phenylcoumarins versus 3-benzoylcoumarins. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011 , 21, 4224-7	2.9	46
9	Synthesis of 3-arylcoumarins via Suzuki-cross-coupling reactions of 3-chlorocoumarin. <i>Tetrahedron Letters</i> , 2011 , 52, 1225-1227	2	40
8	Regioselective Synthesis of Bromo-Substituted 3-Arylcoumarins. <i>Synthesis</i> , 2010 , 2010, 2763-2766	2.9	7
7	New halogenated 3-phenylcoumarins as potent and selective MAO-B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010 , 20, 5157-60	2.9	73
6	Tyrosinase inhibitor activity of coumarin-resveratrol hybrids. <i>Molecules</i> , 2009 , 14, 2514-20	4.8	48
5	Synthesis of Regioisomeric Functionalized Benzodifurans and Angelicins. <i>Helvetica Chimica Acta</i> , 2009 , 92, 1309-1314	2	2
4	A new series of 3-phenylcoumarins as potent and selective MAO-B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 3268-70	2.9	108
3	Synthesis and evaluation of 6-methyl-3-phenylcoumarins as potent and selective MAO-B inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009 , 19, 5053-5	2.9	86
2	Application of KNN algorithm in determining the total antioxidant capacity of flavonoid-containing foods		2
1	A comprehensive ethnobotanical profile of <i>Ocimum campechianum</i> (Lamiaceae): from traditional medicine to phytochemical and pharmacological evidences. <i>Plant Biosystems</i> , 1-35	1.6	1