Juan Murga

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/2141707/publications.pdf

Version: 2024-02-01

86	1,710	257450 24	361022 35
papers	citations	h-index	g-index

107	107	107	1487
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Stereoselective syntheses of naturally occurring 5,6-dihydropyran-2-ones. Tetrahedron, 2007, 63, 2929-2958.	1.9	114
2	Stereoselective Synthesis of Microcarpalide. Organic Letters, 2002, 4, 3447-3449.	4.6	70
3	Stereoselective 1,3-Dipolar Cycloadditions of a Chiral Nitrone Derived from Erythrulose. An Experimental and DFT Theoretical Study. Journal of Organic Chemistry, 2000, 65, 7000-7009.	3.2	67
4	Pironetin Binds Covalently to Î±Cys316 and Perturbs a Major Loop and Helix of Î±-Tubulin to Inhibit Microtubule Formation. Journal of Molecular Biology, 2016, 428, 2981-2988.	4.2	64
5	Design and Synthesis of Pironetin Analogue/Colchicine Hybrids and Study of Their Cytotoxic Activity and Mechanisms of Interaction with Tubulin. Journal of Medicinal Chemistry, 2014, 57, 10391-10403.	6.4	46
6	Diastereoselective additions of organolithium reagents to the Cî—»N bond of protected erythrulose oxime ethers. Synthesis of enantiopure Î±,Î±-disubstituted Î±-aminiacids. Tetrahedron Letters, 1997, 38, 1841-1844.	1.4	40
7	Stereoselective Synthesis and Determination of the Cytotoxic Properties of Spicigerolide and Three of Its Stereoisomers. Journal of Organic Chemistry, 2003, 68, 5672-5676.	3.2	40
8	Stereoselective Synthesis of the Naturally Occurring Styryllactones (+)-Goniofufurone and (+)-Cardiobutanolide. Journal of Organic Chemistry, 2005, 70, 713-716.	3.2	39
9	Stereoselective Synthesis of the Cytotoxic 14-Membered Macrolide Aspergillide A. Journal of Organic Chemistry, 2010, 75, 1775-1778.	3.2	36
10	Design and synthesis of pironetin analogues with simplified structure and study of their interactions with microtubules. European Journal of Medicinal Chemistry, 2011, 46, 1630-1637.	5.5	35
11	Stereoselective Total Synthesis and Absolute Configuration of the Natural Decanolides (â˜')-Microcarpalide and (+)-Lethaloxin. Identity of (+)-Lethaloxin and (+)-Pinolidoxin. Journal of Organic Chemistry, 2005, 70, 9822-9827.	3.2	34
12	Stereoselective synthesis of spicigerolide. Tetrahedron Letters, 2003, 44, 539-541.	1.4	33
13	On the Structure of Passifloricin A:â€‰ Asymmetric Synthesis of the Î´-Lactones of (2Z,5S,7R,9S,11S)- and (2Z,5R,7R,9S,11S)-Tetrahydroxyhexacos-2-enoic Acid. Organic Letters, 2003, 5, 1447-1449.	4.6	33
14	Diastereoselectivity in Organometallic Additions to the Carbonyl Group of Protected Erythrulose Derivatives. Journal of Organic Chemistry, 1998, 63, 698-707.	3.2	31
15	Synthesis and Biological Properties of the Cytotoxic 14â€Membered Macrolides Aspergillide A and B. Chemistry - A European Journal, 2011, 17, 675-688.	3.3	31
16	Aldol Reactions with Erythrulose Derivatives: Stereoselective Synthesis of Differentially Protected syn -Î±,Î²-Dihydroxy Esters. Tetrahedron, 2000, 56, 677-683.	1.9	30
17	Antiparasite and antimycobacterial activity of passifloricin analogues. Tetrahedron, 2006, 62, 4086-4092.	1.9	30
18	Stereoselective synthesis of the cytotoxic macrolide aspergillide B. Tetrahedron Letters, 2009, 50, 3783-3785.	1.4	30

#	Article	IF	Citations
19	Stereoselective Synthesis of the Antiprotozoal Lactone Passifloricin A and Seven Isomers Thereof. Journal of Organic Chemistry, 2004, 69, 7277-7283.	3.2	29
20	Double Diastereoselection in Aldol Reactions Mediated by Dicyclohexylchloroborane betweenl-Erythrulose Derivatives and Chiral Aldehydes. The Felkinâ^'Anh versus Cornforth Dichotomy. Journal of Organic Chemistry, 2003, 68, 8577-8582.	3.2	28
21	Convergent, stereoselective syntheses of the glycosidase inhibitors broussonetines D and M. Organic and Biomolecular Chemistry, 2009, 7, 1355.	2.8	28
22	Stereoselective synthesis of anamarine. Tetrahedron, 2004, 60, 2979-2985.	1.9	27
23	Design and synthesis of pironetin analogue/combretastatin A-4 hybrids containing a 1,2,3-triazole ring and evaluation of their cytotoxic activity. European Journal of Medicinal Chemistry, 2014, 87, 125-130.	5.5	27
24	Stereoselective synthesis of Î±-substituted serines from protected erythrulose oximes. Tetrahedron: Asymmetry, 1998, 9, 1703-1712.	1.8	25
25	Inhibitory effect of cytotoxic stilbenes related to resveratrol on the expression of the VEGF, hTERT and c-Myc genes. European Journal of Medicinal Chemistry, 2015, 103, 488-496.	5.5	24
26	Synthesis of Protected Enantiopure Erythrulose Derivatives. Liebigs Annalen, 1996, 1996, 1801-1810.	0.8	23
27	Asymmetric synthesis of passifloricin A: a correction in structure. Tetrahedron Letters, 2003, 44, 7909-7912.	1.4	23
28	Stereoselective synthesis of (+)-hyptolide. Tetrahedron Letters, 2003, 44, 1737-1739.	1.4	23
29	Synthesis and biological evaluation of truncated Î±-tubulin-binding pironetin analogues lacking alkyl pendants in the side chain or the dihydropyrone ring. Organic and Biomolecular Chemistry, 2013, 11, 5809.	2.8	22
30	Stereoselective indium-mediated allylation of erythrulose derivatives in aqueous media. Tetrahedron: Asymmetry, 1998, 9, 1117-1120.	1.8	20
31	Aldol Reactions between <scp>L</scp>â€Erythrulose Derivatives and Chiral Î±â€Amino and Î±â€Fluoro Aldehydes: Competition between Felkinâ€"Anh and Cornforth Transition States. Chemistry - A European Journal, 2008, 14, 9240-9254.	3.3	20
32	Inhibition of VEGF expression in cancer cells and endothelial cell differentiation by synthetic stilbene derivatives. Bioorganic and Medicinal Chemistry, 2013, 21, 3010-3015.	3.0	20
33	Stereoselective Anti Aldol Reactions of Erythrulose Derivatives. Functionalized Chirald3andd4Synthons. Journal of Organic Chemistry, 2004, 69, 1987-1992.	3.2	19
34	Interactions of long-chain homologues of colchicine with tubulin. European Journal of Medicinal Chemistry, 2017, 126, 526-535.	5.5	19
35	Stereoselective synthesis of hyptolide and 6-epi-hyptolide. Tetrahedron, 2004, 60, 12261-12267.	1.9	18
36	Double Diastereoselection in Aldol Reactions Mediated by Dicyclohexylchloroborane between Chiral Aldehydes and a Chiral Ethyl Ketone Derived froml-Erythrulose. Synthesis of a C1â^'C9Fragment of the Structure of the Antifungal Metabolite Soraphen A1Î±. Journal of Organic Chemistry, 2005, 70, 8130-8139.	3.2	18

#	Article	IF	Citations
37	The Total Synthesis and Biological Properties of the Cytotoxic Macrolide FD-891 and Its Non-Natural (Z)-C12 Isomer. Chemistry - A European Journal, 2007, 13, 5060-5074.	3.3	18
38	Synthesis and biological evaluation of carbamates derived from aminocombretastatin A-4 as vascular disrupting agents. European Journal of Medicinal Chemistry, 2018, 147, 183-193.	5.5	18
39	Diastereoselectivity of the reactions of organolithium reagents with protected erythrulose oximes. Tetrahedron: Asymmetry, 1998, 9, 1679-1701.	1.8	17
40	Stereoselective Synthesis of the Cytotoxic Macrolide FD-891â€. Organic Letters, 2006, 8, 2695-2698.	4.6	17
41	Synthesis and biological evaluation of simplified pironetin analogues with modifications in the side chain and the lactone ring. Organic and Biomolecular Chemistry, 2017, 15, 220-232.	2.8	17
42	Erythrulose derivatives as functionalized chiral d3 and d4 synthons. Tetrahedron: Asymmetry, 2002, 13, 2317-2327.	1.8	16
43	Stereoselective addition of organometallic reagents to a chiral acyclic nitrone derived from l-erythrulose. Tetrahedron: Asymmetry, 2005, 16, 1807-1816.	1.8	16
44	Stereoselective Synthesis of the Naturally Occurring 2â€Pyranone Dodoneine. European Journal of Organic Chemistry, 2008, 2008, 4015-4018.	2.4	16
45	Convergent, stereoselective syntheses of the glycosidase inhibitors broussonetines C, O and P. Tetrahedron, 2009, 65, 10612-10616.	1.9	16
46	Diastereoselective additions of organolithium and organomagnesium reagents to the Cî—»N bond of a chiral, cyclic nitrone derived from erythrulose. Tetrahedron Letters, 1998, 39, 3237-3240.	1.4	15
47	An Efficient Preparation of Silylated Derivatives of L-Erythrulose 3,4-O-Acetals. Synthetic Communications, 1999, 29, 2601-2610.	2.1	15
48	Stereoselective synthesis of a C19â€“C26 fragment of amphidinolides G and H. Tetrahedron: Asymmetry, 2006, 17, 2938-2942.	1.8	15
49	Synthesis of combretastatin A-4 O-alkyl derivatives and evaluation of their cytotoxic, antiangiogenic and antitelomerase activity. Bioorganic and Medicinal Chemistry, 2013, 21, 7267-7274.	3.0	15
50	Boron aldol additions with erythrulose derivatives: dependence of stereoselectivity on the type of protecting group. Tetrahedron Letters, 1999, 40, 6845-6848.	1.4	14
51	Stereoselective synthesis of the published structure of synargentolide A and of one stereoisomer thereof. Arkivoc, 2005, 2005, 175-188.	0.5	14
52	Stereoselective Synthesis and Structural Correction of the Naturally Occurring Lactone Stagonolide G. Organic Letters, 2010, 12, 5752-5755.	4.6	13
53	Design and Synthesis of Pironetin Analogue/Combretastatin Aâ€4 Hybrids and Evaluation of Their Cytotoxic Activity. European Journal of Organic Chemistry, 2014, 2014, 2284-2296.	2.4	13
54	Influence of the protecting groups on the syn/anti stereoselectivity of boron aldol additions with erythrulose derivatives. A theoretical and experimental study. Tetrahedron, 2002, 58, 9697-9707.	1.9	12

#	Article	IF	Citations
55	Selective cleavage of acetals with ZnBr2 in dichloromethane. Tetrahedron, 2006, 62, 1239-1244.	1.9	12
56	Chlorodicyclohexylborane-Mediated Aldol Additions of Î±,Î±â€˜-Dioxygenated Ketones. Organic Letters, 2001, 3, 901-904.	4.6	11
57	Synthesis of honokiol analogues and evaluation of their modulating action on <scp>VEGF</scp> protein secretion and telomeraseâ€related gene expressions. Chemical Biology and Drug Design, 2017, 89, 577-584.	3.2	11
58	Effects on tubulin polymerization and down-regulation of c-Myc, hTERT and VEGF genes by colchicine haloacetyl and haloaroyl derivatives. European Journal of Medicinal Chemistry, 2018, 150, 591-600.	5.5	11
59	Synthesis of (E)-2,6-dimethyl-6-hydroxyocta-2,7-dienoic acid and the corresponding amide (â€œacacialactamâ€) in optically active form. Tetrahedron, 1995, 51, 2755-2762.	1.9	10
60	Stereoselective Synthesis of the Published Structure of Feigrisolide A. Structural Revision of Feigrisolides A and B. Journal of Organic Chemistry, 2006, 71, 5766-5769.	3.2	10
61	Inhibitory effect of pironetin analogue/colchicine hybrids on the expression of the VEGF, hTERT and c-Myc genes. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3194-3198.	2.2	10
62	Synthesis and biological evaluation as antiangiogenic agents of ureas derived from 3â€²-aminocombretastatin A-4. European Journal of Medicinal Chemistry, 2019, 162, 781-792.	5.5	10
63	Synthesis of Î±,Î±-Disubstituted Î±-Amino Acid Derivatives in Enantiopure Form via Stereoselective Addition of Grignard Reagents to a Chiral Acyclic Nitrone Derived from L-Erythrulose. Synlett, 2002, 2002, 0711-0714.	1.8	9
64	Inhibitory effect of cytotoxic nitrogen-containing heterocyclic stilbene analogues on VEGF protein secretion and VEGF, hTERT and c-Myc gene expression. MedChemComm, 2015, 6, 1809-1815.	3.4	9
65	Synthesis and evaluation of biphenyl derivatives as potential downregulators of VEGF protein secretion and telomerase-related gene expressions. Bioorganic and Medicinal Chemistry, 2016, 24, 3108-3115.	3.0	9
66	Stereoselective synthesis of syn-Î±-methyl-Î²-hydroxy esters. Tetrahedron: Asymmetry, 2000, 11, 3211-3220.	1.8	8
67	An ab initio study of the enolboration of 3-pentanone mediated by boron monochlorides L2BCl. Tetrahedron, 2001, 57, 6239-6247.	1.9	8
68	Stereoselective synthesis of ent-communiols Aâ€“C. Tetrahedron Letters, 2005, 46, 8199-8202.	1.4	8
69	Synthesis and Biological Evaluation of Î±â€Tubulinâ€Binding Pironetin Analogues with Enhanced Lipophilicity. European Journal of Organic Chemistry, 2013, 2013, 1116-1123.	2.4	8
70	Arylureas derived from colchicine: Enhancement of colchicine oncogene downregulation activity. European Journal of Medicinal Chemistry, 2018, 150, 817-828.	5.5	8
71	Novel multitarget inhibitors with antiangiogenic and immunomodulator properties. European Journal of Medicinal Chemistry, 2019, 170, 87-98.	5.5	8
72	Synthesis of (Â±)-(E)-2,6-dimethyl-6-hydroxyocta-2,7-dienoic acid and the corresponding amide (â€œacacialactamâ€). Tetrahedron Letters, 1994, 35, 3359-3360.	1.4	7

#	Article	IF	Citations
73	Stereoselective synthesis of the C14â€“C26 fragment of the cytotoxic macrolide FD-891. Tetrahedron Letters, 2004, 45, 7499-7501.	1.4	7
74	The Mechanism of the Interactions of Pironetin Analog/Combretastatin Aâ€4 Hybrids with Tubulin. Archiv Der Pharmazie, 2015, 348, 541-547.	4.1	7
75	Double diastereoselection in anti aldol reactions mediated by dicyclohexylchloroborane between an l-erythrulose derivative and chiral aldehydes. Organic and Biomolecular Chemistry, 2012, 10, 6937.	2.8	6
76	Synthesis and biological evaluation of cyclic derivatives of combretastatin A-4 containing group 14 elements. Organic and Biomolecular Chemistry, 2018, 16, 5859-5870.	2.8	6
77	Stereoselective synthesis of a C1â€“C18 fragment of amphidinolides GÂand H. Tetrahedron, 2013, 69, 3192-3196.	1.9	5
78	Synthesis and Biological Evaluation of Imines Structurally Related to Resveratrol as Dual Inhibitors of VEGF Protein Secretion andhTERTGene Expression¹. Natural Product Communications, 2017, 12, 1934578X1701200.	0.5	5
79	Synthesis of Combretastatin A-4 and 3â€²-Aminocombretastatin A-4 derivatives with Aminoacid Containing Pendants and Study of their Interaction with Tubulin and as Downregulators of the VEGF, hTERT and c-Myc Gene Expression. Molecules, 2020, 25, 660.	3.8	5
80	Arylpyridines, arylpyrimidines and related compounds as potential modulator agents of the VEGF, hTERT and c-Myc oncogenes. Bioorganic and Medicinal Chemistry, 2019, 27, 880-887.	3.0	3
81	Stereoselective Synthesis of the C1-C12 Fragment of the Cytotoxic Macrolide FD-891. Synlett, 2004, 2004, 2830-2832.	1.8	2
82	Synthesis of N-acyl Derivatives of Aminocombretastatin A-4 and Study of their Interaction with Tubulin and Downregulation of c-Myc. Medicinal Chemistry, 2021, 17, 1129-1139.	1.5	2
83	A formal, stereoselective synthesis of the natural tetrahydropyran derivative ophiocerin D. Tetrahedron: Asymmetry, 2010, 21, 425-428.	1.8	1
84	The Stereoselective Synthesis of the Nonnatural Enantiomers of Communiols A-C. A Stereochemical Correction. Natural Product Communications, 2006, 1, 1934578X0600100.	0.5	0
85	Colchicine: The Cinderella Of Anticancer Drugs. , 2018, , .		0
86	N-alpha-Aminoacyl Colchicines as Promising Anticancer Agents. Medicinal Chemistry, 2020, 17, 21-32.	1.5	0