Juan Murga

List of Publications by Citations

85 papers	1,479 citations	22 h-index	32 g-index
107 ext. papers	1,608 ext. citations	3.7 avg, IF	4.04 L-index

#	Paper	IF	Citations
85	Stereoselective syntheses of naturally occurring 5,6-dihydropyran-2-ones. *Tetrahedron*, **2007**, 63, 2929-2958	2.4	93
84	Stereoselective synthesis of microcarpalide. *Organic Letters*, **2002**, 4, 3447-9	6.2	67
83	Stereoselective 1,3-dipolar cycloadditions of a chiral nitrone derived from erythrulose. An experimental and DFT theoretical study. *Journal of Organic Chemistry*, **2000**, 65, 7000-9	4.2	61
82	Pironetin Binds Covalently to Cys316 and Perturbs a Major Loop and Helix of -Tubulin to Inhibit Microtubule Formation. *Journal of Molecular Biology*, **2016**, 428, 2981-8	6.5	48
81	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, 10391-403	8.3	41
80	Stereoselective synthesis of the naturally occurring styryllactones (+)-goniofufurone and (+)-cardiobutanolide. *Journal of Organic Chemistry*, **2005**, 70, 713-6	4.2	37
79	Stereoselective synthesis of the cytotoxic 14-membered macrolide aspergillide A. *Journal of Organic Chemistry*, **2010**, 75, 1775-8	4.2	35
78	Stereoselective synthesis and determination of the cytotoxic properties of spicigerolide and three of its stereoisomers. *Journal of Organic Chemistry*, **2003**, 68, 5672-6	4.2	35
77	Diastereoselective additions of organolithium reagents to the C?N bond of protected erythrulose oxime ethers. Synthesis of enantiopure ,-disubstituted -aminiacids. *Tetrahedron Letters*, **1997**, 38, 1841-1844	2	32
76	Design and synthesis of pironetin analogues with simplified structure and study of their interactions with microtubules. *European Journal of Medicinal Chemistry*, **2011**, 46, 1630-7	6.8	31
75	Synthesis and biological properties of the cytotoxic 14-membered macrolides aspergillide A and B. *Chemistry - A European Journal*, **2011**, 17, 675-88	4.8	30
74	Stereoselective synthesis of the cytotoxic macrolide aspergillide B. *Tetrahedron Letters*, **2009**, 50, 3783-3785	2	29
73	Stereoselective total synthesis and absolute configuration of the natural decanolides (-)-microcarpalide and (+)-lethaloxin. Identity of (+)-lethaloxin and (+)-pinolidoxin. *Journal of Organic Chemistry*, **2005**, 70, 9822-7	4.2	29
72	Stereoselective synthesis of spicigerolide. *Tetrahedron Letters*, **2003**, 44, 539-541	2	29
71	Aldol Reactions with Erythrulose Derivatives: Stereoselective Synthesis of Differentially Protected syn -,-Dihydroxy Esters. *Tetrahedron*, **2000**, 56, 677-683	2.4	29
70	On the structure of passifloricin A: asymmetric synthesis of the delta-lactones of (2Z,5S,7R,9S,11S)- and (2Z,5R,7R,9S,11S)tetrahydroxyhexacos-2-enoic acid. *Organic Letters*, **2003**, 5, 1447-9	6.2	28
69	Antiparasite and antimycobacterial activity of passifloricin analogues. *Tetrahedron*, **2006**, 62, 4086-4092	2.4	27

68	Stereoselective synthesis of the antiprotozoal lactone passifloricin A and seven isomers thereof. *Journal of Organic Chemistry*, **2004**, 69, 7277-83	4.2	27
67	Diastereoselectivity in Organometallic Additions to the Carbonyl Group of Protected Erythrulose Derivatives. *Journal of Organic Chemistry*, **1998**, 63, 698-707	4.2	27
66	Convergent, stereoselective syntheses of the glycosidase inhibitors broussonetines D and M. *Organic and Biomolecular Chemistry*, **2009**, 7, 1355-60	3.9	26
65	Stereoselective synthesis of anamarine. *Tetrahedron*, **2004**, 60, 2979-2985	2.4	26
64	Double diastereoselection in aldol reactions mediated by dicyclohexylchloroborane between L-erythrulose derivatives and chiral aldehydes. The Felkin-Anh versus Cornforth dichotomy. *Journal of Organic Chemistry*, **2003**, 68, 8577-82	4.2	26
63	Synthesis of Protected Enantiopure Erythrulose Derivatives. *Liebigs Annalen*, **1996**, 1996, 1801-1810		22
62	Asymmetric synthesis of passifloricin A: a correction in structure. *Tetrahedron Letters*, **2003**, 44, 7909-7912	2	21
61	Stereoselective synthesis of (+)-hyptolide. *Tetrahedron Letters*, **2003**, 44, 1737-1739	2	21
60	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, 488-96	6.8	20
59	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, 125-30	6.8	20
58	Inhibition of VEGF expression in cancer cells and endothelial cell differentiation by synthetic stilbene derivatives. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 3010-5	3.4	20
57	Synthesis and biological evaluation of truncated □-tubulin-binding pironetin analogues lacking alkyl pendants in the side chain or the dihydropyrone ring. *Organic and Biomolecular Chemistry*, **2013**, 11, 5809-26	3.9	18
56	Interactions of long-chain homologues of colchicine with tubulin. *European Journal of Medicinal Chemistry*, **2017**, 126, 526-535	6.8	18
55	Stereoselective anti aldol reactions of erythrulose derivatives. Functionalized chiral d3 and d4 synthons. *Journal of Organic Chemistry*, **2004**, 69, 1987-92	4.2	18
54	Synthesis and biological evaluation of carbamates derived from aminocombretastatin A-4 as vascular disrupting agents. *European Journal of Medicinal Chemistry*, **2018**, 147, 183-193	6.8	17
53	Stereoselective indium-mediated allylation of erythrulose derivatives in aqueous media. *Tetrahedron: Asymmetry*, **1998**, 9, 1117-1120		17
52	Stereoselective synthesis of □-substituted serines from protected erythrulose oximes. *Tetrahedron: Asymmetry*, **1998**, 9, 1703-1712		17
51	Aldol reactions between L-erythrulose derivatives and chiral alpha-amino and alpha-fluoro aldehydes: competition between Felkin-Anh and Cornforth transition states. *Chemistry - A European Journal*, **2008**, 14, 9240-54	4.8	17

50	Stereoselective addition of organometallic reagents to a chiral acyclic nitrone derived from l-erythrulose. *Tetrahedron: Asymmetry*, **2005**, 16, 1807-1816		16
49	Convergent, stereoselective syntheses of the glycosidase inhibitors broussonetines C, O and P. *Tetrahedron*, **2009**, 65, 10612-10616	2.4	15
48	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, 5060-74	4.8	15
47	Double diastereoselection in aldol reactions mediated by dicyclohexylchloroborane between chiral aldehydes and a chiral ethyl ketone derived from L-erythrulose. synthesis of a C1-C9 fragment of the structure of the antifungal metabolite soraphen A1alpha. *Journal of Organic Chemistry*, **2005**, 70, 8130-9	4.2	15
46	Stereoselective synthesis of a C19–C26 fragment of amphidinolides G and H. *Tetrahedron: Asymmetry*, **2006**, 17, 2938-2942		15
45	Stereoselective synthesis of hyptolide and 6-epi-hyptolide. *Tetrahedron*, **2004**, 60, 12261-12267	2.4	15
44	Erythrulose derivatives as functionalized chiral d3 and d4 synthons. *Tetrahedron: Asymmetry*, **2002**, 13, 2317-2327		15
43	Stereoselective Synthesis of the Naturally Occurring 2-Pyranone Dodoneine. *European Journal of Organic Chemistry*, **2008**, 2008, 4015-4018	3.2	14
42	Stereoselective synthesis of the cytotoxic macrolide FD-891. *Organic Letters*, **2006**, 8, 2695-8	6.2	14
41	Design and Synthesis of Pironetin Analogue/Combretastatin A-4 Hybrids and Evaluation of Their Cytotoxic Activity. *European Journal of Organic Chemistry*, **2014**, 2014, 2284-2296	3.2	13
40	Stereoselective synthesis and structural correction of the naturally occurring lactone stagonolide G. *Organic Letters*, **2010**, 12, 5752-5	6.2	13
39	An Efficient Preparation of Silylated Derivatives of L-Erythrulose 3,4-O-Acetals. *Synthetic Communications*, **1999**, 29, 2601-2610	1.7	13
38	Synthesis and biological evaluation of simplified pironetin analogues with modifications in the side chain and the lactone ring. *Organic and Biomolecular Chemistry*, **2016**, 15, 220-232	3.9	12
37	Diastereoselectivity of the reactions of organolithium reagents with protected erythrulose oximes. *Tetrahedron: Asymmetry*, **1998**, 9, 1679-1701		12
36	Boron aldol additions with erythrulose derivatives: dependence of stereoselectivity on the type of protecting group. *Tetrahedron Letters*, **1999**, 40, 6845-6848	2	12
35	Stereoselective synthesis of the published structure of synargentolide A and of one stereoisomer thereof. *Arkivoc*, **2005**, 2005, 175-188	0.9	12
34	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	2.4	11
33	Synthesis of combretastatin A-4 O-alkyl derivatives and evaluation of their cytotoxic, antiangiogenic and antitelomerase activity. *Bioorganic and Medicinal Chemistry*, **2013**, 21, 7267-74	3.4	10

32	Diastereoselective additions of organolithium and organomagnesium reagents to the C?N bond of a chiral, cyclic nitrone derived from erythrulose. *Tetrahedron Letters*, **1998**, 39, 3237-3240	2	10
31	Selective cleavage of acetals with ZnBr2 in dichloromethane. *Tetrahedron*, **2006**, 62, 1239-1244	2.4	10
30	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, 3194-8	2.9	9
29	Chlorodicyclohexylborane-mediated aldol additions of alpha,alpha'-dioxygenated ketones. *Organic Letters*, **2001**, 3, 901-4	6.2	9
28	Synthesis and Biological Evaluation of β-Tubulin-Binding Pironetin Analogues with Enhanced Lipophilicity. *European Journal of Organic Chemistry*, **2013**, 2013, 1116-1123	3.2	8
27	Synthesis of (E)-2,6-dimethyl-6-hydroxyocta-2,7-dienoic acid and the corresponding amide (Ecacialactam) in optically active form. *Tetrahedron*, **1995**, 51, 2755-2762	2.4	8
26	Synthesis and evaluation of biphenyl derivatives as potential downregulators of VEGF protein secretion and telomerase-related gene expressions. *Bioorganic and Medicinal Chemistry*, **2016**, 24, 3108-15	3.4	8
25	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	5	7
24	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	6.8	7
23	Arylureas derived from colchicine: Enhancement of colchicine oncogene downregulation activity. *European Journal of Medicinal Chemistry*, **2018**, 150, 817-828	6.8	7
22	Synthesis of honokiol analogues and evaluation of their modulating action on VEGF protein secretion and telomerase-related gene expressions. *Chemical Biology and Drug Design*, **2017**, 89, 577-584	2.9	7
21	Stereoselective synthesis of the published structure of feigrisolide A. Structural revision of feigrisolides A and B. *Journal of Organic Chemistry*, **2006**, 71, 5766-9	4.2	7
20	An ab initio study of the enolboration of 3-pentanone mediated by boron monochlorides L2BCl. *Tetrahedron*, **2001**, 57, 6239-6247	2.4	7
19	Synthesis of β,β-Disubstituted β-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	2.2	7
18	Stereoselective synthesis of syn-β-methyl-β-hydroxy esters. *Tetrahedron: Asymmetry*, **2000**, 11, 3211-3220		7
17	Synthesis and biological evaluation of cyclic derivatives of combretastatin A-4 containing group 14 elements. *Organic and Biomolecular Chemistry*, **2018**, 16, 5859-5870	3.9	6
16	The Mechanism of the Interactions of Pironetin Analog/Combretastatin A-4 Hybrids with Tubulin. *Archiv Der Pharmazie*, **2015**, 348, 541-7	4.3	6
15	Stereoselective synthesis of the C14–C26 fragment of the cytotoxic macrolide FD-891. *Tetrahedron Letters*, **2004**, 45, 7499-7501	2	6

14	Stereoselective synthesis of ent-communiols A–C. *Tetrahedron Letters*, **2005**, 46, 8199-8202	2	6
13	Synthesis of (±)-(E)-2,6-dimethyl-6-hydroxyocta-2,7-dienoic acid and the corresponding amide (±acacialactam). *Tetrahedron Letters*, **1994**, 35, 3359-3360	2	6
12	Synthesis of Combretastatin A-4 and 3'-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,	4.8	5
11	Stereoselective synthesis of a C1–C18 fragment of amphidinolides G and H. *Tetrahedron*, **2013**, 69, 3192-3196	2.4	5
10	Double diastereoselection in anti aldol reactions mediated by dicyclohexylchloroborane between an L-erythrulose derivative and chiral aldehydes. *Organic and Biomolecular Chemistry*, **2012**, 10, 6937-44	3.9	5
9	Novel multitarget inhibitors with antiangiogenic and immunomodulator properties. *European Journal of Medicinal Chemistry*, **2019**, 170, 87-98	6.8	4
8	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	3.4	3
7	Synthesis and biological evaluation as antiangiogenic agents of ureas derived from 3'-aminocombretastatin A-4. *European Journal of Medicinal Chemistry*, **2019**, 162, 781-792	6.8	3
6	Synthesis and Biological Evaluation of Imines Structurally Related to Resveratrol as Dual Inhibitors of VEGF Protein Secretion and hTERT Gene Expression1. *Natural Product Communications*, **2017**, 12, 1934578X1701200	0.9	2
5	Stereoselective Synthesis of the C1-C12 Fragment of the Cytotoxic Macrolide FD-891. *Synlett*, **2004**, 2004, 2830-2832	2.2	2
4	A formal, stereoselective synthesis of the natural tetrahydropyran derivative ophiocerin D. *Tetrahedron: Asymmetry*, **2010**, 21, 425-428		1
3	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	1.8	0
2	The Stereoselective Synthesis of the Nonnatural Enantiomers of Communiols A-C. A Stereochemical Correction. *Natural Product Communications*, **2006**, 1, 1934578X0600100	0.9	
1	N-alpha-Aminoacyl Colchicines as Promising Anticancer Agents. *Medicinal Chemistry*, **2021**, 17, 21-32	1.8	