

Carmen Escolano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6758455/publications.pdf>

Version: 2024-02-01

76
papers

1,752
citations

279798

23
h-index

302126

39
g-index

97
all docs

97
docs citations

97
times ranked

1655
citing authors

#	ARTICLE	IF	CITATIONS
1	Chiral Oxazolopiperidone Lactams: Versatile Intermediates for the Enantioselective Synthesis of Piperidine-Containing Natural Products. <i>Chemistry - A European Journal</i> , 2006, 12, 8198-8207.	3.3	186
2	Enantioselective Synthesis of Piperidine, Indolizidine, and Quinolizidine Alkaloids from a Phenylglycinol-Derived Î¹-Lactam. <i>Journal of Organic Chemistry</i> , 2003, 68, 1919-1928.	3.2	147
3	Cooperative Catalysis for the First Asymmetric Formal [3+2] Cycloaddition Reaction of Isocyanacetates to Î±,Î²-Unsaturated Ketones. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3755-3760.	2.4	84
4	Enantioselective Synthesis of 3,3-Disubstituted Piperidine Derivatives by Enolate Alkylation of Phenylglycinol-Derived Oxazolopiperidone Lactams. <i>Journal of Organic Chemistry</i> , 2007, 72, 4431-4439.	3.2	72
5	Dynamic Kinetic Resolution of Racemic Î³-Aryl-Î¹-oxoesters. Enantioselective Synthesis of 3-Arylpiperidines. <i>Journal of Organic Chemistry</i> , 2002, 67, 5343-5351.	3.2	70
6	Aryl radical cyclisation onto pyrroles: a divergent synthesis of spiropyrrolidinyloxindoles and pyrroloquinolines. <i>Tetrahedron Letters</i> , 2000, 41, 8951-8955.	1.4	67
7	First Total Synthesis of (Â±)-Melinonine-E and (Â±)-Strychnoxanthine Using a Radical Cyclization Process as the Core Ring-Forming Step. <i>Journal of Organic Chemistry</i> , 1998, 63, 968-976.	3.2	58
8	Straightforward Methodology for the Enantioselective Synthesis of Benzo[a]- and Indolo[2,3-a]quinolizidines. <i>Journal of Organic Chemistry</i> , 2007, 72, 5193-5201.	3.2	58
9	Conjugate Additions to Phenylglycinol-Derived Unsaturated Î¹-Lactams. Enantioselective Synthesis of Uleine Alkaloids. <i>Journal of Organic Chemistry</i> , 2004, 69, 8681-8693.	3.2	53
10	Decarbonylative Radical Cyclization of Î±-Amino Selenoesters upon Electrophilic Alkenes. A General Method for the 6-Azabicyclo[3.2.1]octane Synthesis. <i>Journal of Organic Chemistry</i> , 2002, 67, 2323-2328.	3.2	51
11	Aryl radical cyclisation onto pyrroles. <i>Tetrahedron</i> , 2002, 58, 1453-1464.	1.9	50
12	Triheptanoin Supplementation to Ketogenic Diet Curbs Cognitive Impairment in APP/PS1 Mice Used as a Model of Familial Alzheimer's Disease. <i>Current Alzheimer Research</i> , 2013, 10, 290-297.	1.4	44
13	Synthesis of 2-azabicyclo[3.3.1]nonanes by means of (carbamoyl)dichloromethyl radical cyclization. <i>Tetrahedron</i> , 1997, 53, 1391-1402.	1.9	43
14	Enantioselective Formal Synthesis of (+)-Dihydrocorynantheine and (âˆ’)-Dihydrocorynantheol. <i>Journal of Organic Chemistry</i> , 2009, 74, 1205-1211.	3.2	43
15	Alkylation of Phenylglycinol-Derived Oxazolopiperidone Lactams. Enantioselective Synthesis of Î²-Substituted Piperidines. <i>Journal of Organic Chemistry</i> , 2006, 71, 3804-3815.	3.2	33
16	Heme-Regulated eIF2Î± Kinase Modulates Hepatic FGF21 and Is Activated by PPARÎ²/Î³ Deficiency. <i>Diabetes</i> , 2016, 65, 3185-3199.	0.6	31
17	Synthesis of biaryls via intramolecular free radical ipso-substitution reactions. <i>Tetrahedron</i> , 2015, 71, 6701-6719.	1.9	30
18	Synthesis and evaluation of tacrine-related compounds for the treatment of Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 1994, 29, 205-221.	5.5	28

#	ARTICLE	IF	CITATIONS
19	Enantioselective Synthesis of cis- and trans-3,5-Disubstituted Piperidines. Synthesis of 20S- and 20R-Dihydrocleavamine. <i>Organic Letters</i> , 2003, 5, 3139-3142.	4.6	27
20	Stephacidin B, The Avrainvillamide Dimer: A Formidable Synthetic Challenge. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 7670-7673.	13.8	26
21	Stereoselective $\hat{\pm}$ -amidoalkylation of phenylglycinol-derived lactams. Synthesis of enantiopure 5,6-disubstituted 2-piperidones. <i>Tetrahedron: Asymmetry</i> , 2006, 17, 1581-1588.	1.8	26
22	Radical promoted cyclisations of trichloroacetamides with silyl enol ethers and enol acetates: the role of the hydride reagent [tris(trimethylsilyl)silane vs. tributylstannane]. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 1157-1162.	0.9	25
23	Stereoselective $\hat{\pm}$ -amidoalkylation reactions of phenylglycinol-derived bicyclic lactams. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1679-1683.	1.8	24
24	Neuroprotective Effects of a Structurally New Family of High Affinity Imidazoline I_2 Receptor Ligands. <i>ACS Chemical Neuroscience</i> , 2017, 8, 737-742.	3.5	24
25	Phosphoenolpyruvate from Glycolysis and PEPCK Regulate Cancer Cell Fate by Altering Cytosolic Ca^{2+} . <i>Cells</i> , 2020, 9, 18.	4.1	23
26	Behavioral and Cognitive Improvement Induced by Novel Imidazoline I_2 Receptor Ligands in Female SAMP8 Mice. <i>Neurotherapeutics</i> , 2019, 16, 416-431.	4.4	22
27	PEPCK-M recoups tumor cell anabolic potential in a PKC- $\hat{\eta}$ -dependent manner. <i>Cancer & Metabolism</i> , 2021, 9, 1.	5.0	20
28	Easy access to (2-imidazolin-4-yl)phosphonates by a microwave assisted multicomponent reaction. <i>Tetrahedron</i> , 2015, 71, 2872-2881.	1.9	19
29	Syntheses of Cinacalcet: An Enantiopure Active Pharmaceutical Ingredient (API). <i>Synthesis</i> , 2016, 48, 783-803.	2.3	19
30	Access to the enantiopure pyrrolobenzodiazepine (PBD) dilactam nucleus via self-disproportionation of enantiomers. <i>Tetrahedron</i> , 2018, 74, 867-871.	1.9	19
31	On the Origin of the Stereoselectivity in the Alkylation of Oxazolopiperidone Enolates. <i>Journal of the American Chemical Society</i> , 2006, 128, 6581-6588.	13.7	17
32	Nitrile Ylides: Generation, Properties and Synthetic Applications. <i>Current Organic Chemistry</i> , 2007, 11, 741-772.	1.6	17
33	First asymmetric cascade reaction catalysed by chiral primary aminoalcohols. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 5079.	2.8	17
34	Bicyclic $\hat{\pm}$ -lminophosphonates as High Affinity Imidazoline I_2 Receptor Ligands for Alzheimer's Disease. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 3610-3633.	6.4	17
35	First diastereoselective [3 + 2] cycloaddition reaction of diethyl isocyanomethylphosphonate and maleimides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 1640.	2.8	16
36	Disease-modifying treatment with I_2 imidazoline receptor ligand LSL60101 in an Alzheimer's disease mouse model: a comparative study with donepezil. <i>British Journal of Pharmacology</i> , 2021, 178, 3017-3033.	5.4	16

#	ARTICLE	IF	CITATIONS
37	Synthesis of enantiopure 2-azabicyclo[3.3.1]nonanes by a radical ring closure. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2399-2410.	1.8	15
38	Benzofuranyl-2-imidazoles as imidazoline I2 receptor ligands for Alzheimer's disease. <i>European Journal of Medicinal Chemistry</i> , 2021, 222, 113540.	5.5	15
39	Stereocontrolled Generation of Benzo[<i>a</i>] and Indolo[2,3- <i>a</i>]quinolizidines from (<i>S</i>)-tryptophanol and (<i>S</i>)-(3,4-dimethoxyphenyl)alaninol-derived Lactams. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 3858-3863.	2.4	14
40	First total synthesis of (±)-melinonine-E. <i>Journal of the Chemical Society Chemical Communications</i> , 1995, .	2.0	13
41	Structure-Directed Reversion in the β -Facial Stereoselective Alkylation of Chiral Bicyclic Lactams. <i>Journal of Organic Chemistry</i> , 2008, 73, 7756-7763.	3.2	13
42	Cyclization of 1-(carbamoyl)dichloromethyl radicals upon activated alkenes. A new entry to 2-azabicyclo[3.3.1]nonanes. <i>Tetrahedron Letters</i> , 1997, 38, 6901-6904.	1.4	12
43	A practical procedure for the removal of the phenylethanol moiety from phenylglycinol-derived lactams. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 2542-2549.	1.8	12
44	On the configuration of (3 <i>R</i> ,8 <i>aS</i>)-5-oxo-3-phenyl-2,3,6,7,8,8 <i>a</i> -hexahydro-5 <i>H</i> -oxazolo[3,2- <i>a</i>]pyridine. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 293-295.	1.8	11
45	Amelioration of BPSD-Like Phenotype and Cognitive Decline in SAMP8 Mice Model Accompanied by Molecular Changes after Treatment with I2-Imidazoline Receptor Ligand MCR5. <i>Pharmaceutics</i> , 2020, 12, 475.	4.5	11
46	I2 imidazoline receptor modulation protects aged SAMP8 mice against cognitive decline by suppressing the calcineurin pathway. <i>GeroScience</i> , 2021, 43, 965-983.	4.6	11
47	A Radical Route to Morphans. Synthesis and Spectroscopic Data of the 2-Azabicyclo[3.3.1]nonane. <i>Heterocycles</i> , 1999, 50, 731.	0.7	10
48	Pharmacology and preclinical validation of a novel anticancer compound targeting PEPCK-M. <i>Biomedicine and Pharmacotherapy</i> , 2020, 121, 109601.	5.6	9
49	Reaction of indolin-2-ones with cerium(IV) ammonium nitrate. <i>Tetrahedron</i> , 2002, 58, 9541-9545.	1.9	8
50	Facile microwave-assisted synthesis of thioformamides from isocyanides and carbon disulfide. <i>Tetrahedron Letters</i> , 2017, 58, 2768-2770.	1.4	8
51	Enantioselective, protecting group-free synthesis of 1 <i>S</i> -ethyl-4-substituted quinolizidines. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6866.	2.8	7
52	Alkylation of phenylglycinol-derived bicyclic lactams. Enantioselective synthesis of 3-alkylpiperidines. <i>Arkivoc</i> , 2005, 2005, 115-123.	0.5	7
53	Asymmetric synthesis of tetracyclic substructures of Strychnos indole alkaloids. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 1691-1699.	1.8	6
54	Highly stereoselective double (<i>R</i>)-phenylglycinol-induced cyclocondensation reactions of symmetric aryl bis(oxoacids). <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 2175.	2.8	6

#	ARTICLE	IF	CITATIONS
55	Discovery of Novel BRD4 Ligand Scaffolds by Automated Navigation of the Fragment Chemical Space. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17887-17900.	6.4	6
56	Synthesis and structural study of 6-amino-1,4,6,7-tetrahydroimidazo[4,5-b]pyridin-5-ones. <i>Tetrahedron Letters</i> , 2002, 43, 4343-4346.	1.4	5
57	Synthesis of triheptanoin and formulation as a solid diet for rodents. <i>European Journal of Lipid Science and Technology</i> , 2012, 114, 889-895.	1.5	5
58	¹³ C NMR chemical shift assignments for substituted 2-azabicyclo[3.3.1]nonan-3-ones. <i>Magnetic Resonance in Chemistry</i> , 2000, 38, 891-893.	1.9	4
59	Direct reductive alkylation of amine hydrochlorides with aldehyde bisulfite adducts. <i>Tetrahedron Letters</i> , 2014, 55, 2548-2550.	1.4	4
60	Heterocycle-Based Multicomponent Reactions in Drug Discovery: From Hit Finding to Rational Design. <i>Biomedicines</i> , 2022, 10, 1488.	3.2	4
61	Synthesis, Characterization and HPLC Analysis of the (1S,2S,5R)-Diastereomer and the Enantiomer of the Clinical Candidate AR-15512. <i>Molecules</i> , 2021, 26, 906.	3.8	3
62	Insights into the Pharmacokinetics and In Vitro Cell-Based Studies of the Imidazoline I2 Receptor Ligand B06. <i>International Journal of Molecular Sciences</i> , 2022, 23, 5408.	4.1	3
63	An Imidazoline 2 Receptor Ligand Relaxes Mouse Aorta via Off-Target Mechanisms Resistant to Aging. <i>Frontiers in Pharmacology</i> , 2022, 13, .	3.5	3
64	Microarray Analysis Revealed Inflammatory Transcriptomic Changes after LSL60101 Treatment in 5XFAD Mice Model. <i>Genes</i> , 2021, 12, 1315.	2.4	1
65	Complete ¹ H and ¹³ C NMR chemical shift assignment of N1- and N3-alkylnitrohistidines and of 1,4,6,7-tetrahydroimidazo[4,5-b]pyridines. <i>Magnetic Resonance in Chemistry</i> , 2003, 41, 219-222.	1.9	0
66	Reaction of Indolin-2-ones with Cerium(IV) Ammonium Nitrate.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
67	Stereoselective $\hat{\pm}$ -Amidoalkylation Reactions of Phenylglycinol-Derived Bicyclic Lactams.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
68	Enantioselective Synthesis of cis- and trans-3,5-Disubstituted Piperidines. Synthesis of 20S- and 20R-Dihydrocleavamine.. <i>ChemInform</i> , 2003, 34, no.	0.0	0
69	Dibenzylxanthines as PPEPCK-M Inhibitors for Cancer Therapy. <i>Proceedings (mdpi)</i> , 2019, 22, 79.	0.2	0
70	Hydrophobic Waters in Bromodomains. <i>Proceedings (mdpi)</i> , 2019, 22, 80.	0.2	0
71	Biological Evaluation of a Mitochondrial Phosphoenolpyruvate Carboxykinase Inhibitor. <i>Proceedings (mdpi)</i> , 2019, 22, 95.	0.2	0
72	(2-Imidazolyl)phosphonates: Green Chemistry and Biology Walk Together. <i>Proceedings (mdpi)</i> , 2019, 22, 97.	0.2	0

#	ARTICLE	IF	CITATIONS
73	A bicyclic Î±â€iminophosphonate improves cognitive decline in 5xFAD murine model of neurodegeneration. FASEB Journal, 2021, 35, .	0.5	0
74	Novel Imidazoline I₂ Receptor Ligands for Alzheimer's Disease. FASEB Journal, 2018, 32, 552.1.	0.5	0
75	A New Family of Imidazoline I 2 Receptor Ligands Improves Behavior and Cognition in SAMP8 Mice. FASEB Journal, 2019, 33, 806.19.	0.5	0
76	A New Family of Subnanomolar inhibitors of Soluble Epoxide Hydrolase. FASEB Journal, 2022, 36, .	0.5	0