

Jaime Escalante

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Recent applications of $\hat{1}\pm$ -phenylethylamine ($\hat{1}\pm$ -PEA) in the preparation of enantiopure compounds. Part 3: $\hat{1}\pm$ -PEA as chiral auxiliary. Part 4: $\hat{1}\pm$ -PEA as chiral reagent in the stereodifferentiation of prochiral substrates. <i>Tetrahedron: Asymmetry</i> , 1999, 10, 2441-2495.	1.8	173
2	Recent applications of $\hat{1}\pm$ -phenylethylamine ($\hat{1}\pm$ -PEA) in the preparation of enantiopure compounds. Part 1: Incorporation in chiral catalysts. Part 2: $\hat{1}\pm$ -PEA and derivatives as resolving agents. <i>Tetrahedron: Asymmetry</i> , 1998, 9, 715-740.	1.8	147
3	Structure and Reactivity of Five- and Six-Ring N, N, N, O-, and O, O-acetals: A lesson in allylic 1, 3-strain (A1, 3strain). <i>Helvetica Chimica Acta</i> , 1992, 75, 913-934.	1.6	114
4	Enantioselective synthesis of .beta.-amino acids. 2. Preparation of the like stereoisomers of 2-methyl- and 2-benzyl-3-aminobutanoic acid. <i>Journal of Organic Chemistry</i> , 1992, 57, 2396-2398.	3.2	83
5	Exploring the Antibacterial and Hemolytic Activity of Shorter- and Longer-Chain α -, β -, and γ -Peptides, and of δ -Peptides from α -3-Aza- and β -3-Methylidene-amino Acids Bearing Proteinogenic Side Chains - A Survey. <i>Chemistry and Biodiversity</i> , 2005, 2, 401-420.	2.1	61
6	Macrocyclic Diorganotin Complexes of $\hat{1}^3$ -Amino Acid Dithiocarbamates as Hosts for Ion-Pair Recognition. <i>Inorganic Chemistry</i> , 2008, 47, 9874-9885.	4.0	52
7	Solvent engineering: an effective tool to direct chemoselectivity in a lipase-catalyzed Michael addition. <i>Tetrahedron</i> , 2009, 65, 536-539.	1.9	50
8	Mechanochemical enzymatic resolution of N-benzylated- $\hat{1}^2$ -3-amino esters. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1728-1734.	2.2	50
9	Michael Additions of Amines to Methyl Acrylates Promoted by Microwave Irradiation. <i>Molecules</i> , 2008, 13, 340-347.	3.8	39
10	$\hat{1}\pm$ -Alkylation of (S)-Asparagine with Self-Regeneration of the Stereogenic Center: \hat{A} Enantioselective Synthesis of $\hat{1}\pm$ -Substituted Aspartic Acids 1,2 . <i>Journal of Organic Chemistry</i> , 1998, 63, 4706-4710.	3.2	38
11	Efficient Microwave Assisted Syntheses of 2,5-Diketopiperazines in Aqueous Media. <i>Molecules</i> , 2009, 14, 2836-2849.	3.8	38
12	Synthesis of $\hat{1}^2$ -lactams and cyclo- $\hat{1}^2$ -dipeptides from $\hat{1}^2$ -amino acids: experimental observations and theoretical analysis. <i>Tetrahedron</i> , 2001, 57, 1883-1890.	1.9	35
13	Enantioselective synthesis of $\hat{1}^2$ -amino acids. 6. High 1,2-stereoiduction in the preparation of enantiopure 2(R)-hydroxy-3(R)-N-benzoylamino-3-phenylpropionic acid (like stereoisomer of taxol's side) Tj ETQq1 1.0.7843144rgBT /C	1.0	14
14	Methanol oxidation reaction on PtSnO 2 obtained by microwave-assisted chemical reduction. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 1752-1759.	7.1	29
15	Enantioselective synthesis of .beta.-amino acids. 4. 1,2 Asymmetric induction in the alkylation of 1-benzoyl-3,6(S)-dimethylperhydropyrimidin-4-one. Preparation of the like and unlike stereoisomers of 2-methyl- and 2-benzyl-3(S)-aminobutanoic acid. <i>Journal of Organic Chemistry</i> , 1993, 58, 2282-2285.	3.2	28
16	Thermodynamically controlled chemoselectivity in lipase-catalyzed aza-Michael additions. <i>Journal of Molecular Catalysis B: Enzymatic</i> , 2015, 112, 76-82.	1.8	26
17	Enzymatic resolution of N-protected- $\hat{1}^2$ -3-amino methyl esters, using lipase B from <i>Candida antarctica</i> . <i>Tetrahedron: Asymmetry</i> , 2005, 16, 629-634.	1.8	25
18	Synthesis of enantiopure cis- and trans-2-aminocyclohexane-1-carboxylic acids from octahydroquinazolin-4-ones. <i>Tetrahedron: Asymmetry</i> , 2004, 15, 3545-3549.	1.8	21

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19	â€œEasy-on, easy-offâ€™ resolution of chiral 1-phenylethylamine catalyzed by <i>Candida antarctica</i> lipase B. <i>Tetrahedron: Asymmetry</i> , 2007, 18, 2621-2624.	1.8	21
20	Hydroxylation of the diterpenes ent-kaur-16-en-19-oic and ent-beyer-15-en-19-oic acids by the fungus <i>Aspergillus niger</i> . <i>Phytochemistry</i> , 2009, 70, 2017-2022.	2.9	20
21	Synthesis, in vitro and in silico screening of ethyl 2-(6-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 667 Td (benzo[d]thiazol-2-ylidene)acetamide. <i>Journal of Medicinal Chemistry</i> , 2012, 53, 346-355.	5.5	20
22	Synthesis of Î³-Nitro Aliphatic Methyl Esters Via Michael Additions Promoted by Microwave Irradiation. <i>Molecules</i> , 2009, 14, 1595-1604.	3.8	17
23	Photoinduced Elimination in 2,3-Dihydro-2-tert-butyl-3-benzyl-4(1H)-quinazolinone: Theoretical Calculations and Radical Trapping Using TEMPO Derivatives. <i>Synlett</i> , 2012, 23, 1057-1063.	1.8	17
24	Structural features of N-benzylated-Î²-amino acid methyl esters essential for enantiodifferentiation by lipase B from <i>Candida antarctica</i> in hydrolytic reactions. <i>Tetrahedron: Asymmetry</i> , 2015, 26, 325-332.	1.8	17
25	NMR and X-ray crystallographic studies of axial and equatorial 2-ethoxy-2-oxo-1,4,2-oxazaphosphinane. <i>Tetrahedron</i> , 2002, 58, 8973-8978.	1.9	15
26	â€œAlternative method for the resolution of 1-benzoyl-2-tert-butyl-3-methyl-1,3-imidazolidin-4-oneâ€™. <i>Tetrahedron: Asymmetry</i> , 1991, 2, 821-826.	1.8	14
27	Synthesis, resolution and absolute configuration of trans 4,5-diphenyl-pyrrolidin-2-one: a possible chiral auxiliary. <i>Tetrahedron: Asymmetry</i> , 2003, 14, 981-985.	1.8	14
28	One-Pot Lipase-Catalyzed Enantioselective Synthesis of (R)-(α)-N-Benzyl-3-(benzylamino)butanamide: The Effect of Solvent Polarity on Enantioselectivity. <i>Molecules</i> , 2017, 22, 2189.	3.8	12
29	X-ray Crystallographic Study of Substituted Perhydropyrimidinones. Extreme Changes in Ring Conformation. <i>Journal of Organic Chemistry</i> , 1999, 64, 8668-8680.	3.2	11
30	Synthesis, structural characterization and antiproliferative activity on MCF-7 and A549 tumor cell lines of [Cu(N-N)(Î²3-aminoacidate)]NO ₃ complexes (CasiopeÃnasÂ®). <i>Inorganica Chimica Acta</i> , 2020, 506, 119542.	2.4	11
31	NMR and X-ray crystallographic studies of linear and cyclic aminomethanephosphinates. <i>Heteroatom Chemistry</i> , 2006, 17, 81-87.	0.7	10
32	Synthesis of 2,3-Dihydro-4(1H)-quinazolinones. <i>Heterocycles</i> , 2004, 63, 2019.	0.7	9
33	Direct Halogenation Reactions in 2,3-Dihydro-4(1H)-quinazolinones. <i>Heterocycles</i> , 2012, 85, 2173.	0.7	9
34	New polythiophene derivatives and enhanced photovoltaic effect by a boron compound blended with them in OPVs cells. <i>Synthetic Metals</i> , 2014, 196, 83-91.	3.9	8
35	A New Approach Using Aromatic-Solvent-Induced Shifts in NMR Spectroscopy to Analyze Î²-Lactams with Various Substitution Patterns. <i>Synlett</i> , 2020, 31, 158-164.	1.8	8
36	Synthesis, NMR and Crystallographic Studies of 2-Substituted Dihydroquinazolinones Derived from (S)-Phenylethylamine. <i>Molecules</i> , 2007, 12, 173-182.	3.8	6

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37	Microwave-Assisted Synthesis of β -Lactams and Cyclo β -dipeptides. <i>Helvetica Chimica Acta</i> , 2012, 95, 2218-2230.	1.6	6
38	Synthesis and cardiovascular activity of metoprolol analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 191-194.	2.2	5
39	Theoretical determination of half-wave potentials for phenanthroline-, bipyridine-, acetylacetonate-, and glycinate-containing copper (II) complexes. <i>Journal of Molecular Modeling</i> , 2020, 26, 191.	1.8	5
40	Stereoselective enzymatic synthesis of monoglucosyl-myo-inositols with in vivo anti-inflammatory activity. <i>Tetrahedron: Asymmetry</i> , 2010, 21, 43-50.	1.8	4
41	Photophysical properties of 2,3-dihydroquinazolin-4(1H)-one derivatives. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2014, 294, 31-37.	3.9	4
42	Effect of the Substituent and Amino Group Position on the Lipase-Catalyzed Resolution of β -Amino Esters: A Molecular Docking Study Shedding Light on <i>Candida antarctica</i> lipase B Enantioselectivity. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 4790-4802.	2.4	4
43	Extraction with SPME and Synthesis of 2-Methyl-6-vinylpyrazine by a "One Pot" Reaction Using Microwaves. <i>Molecules</i> , 2009, 14, 2160-2166.	3.8	3
44	Synthesis of 2-(Thiophen-3-yl)vinylphosphonic Acid. <i>Synthetic Communications</i> , 2009, 39, 1511-1515.	2.1	3
45	A New Component of the Male Papaya Fruit Fly (Diptera: Tephritidae) Sex Pheromone. <i>Florida Entomologist</i> , 2014, 97, 1260-1262.	0.5	3
46	Studies and Mechanism of Olefination Reaction in Aryl-Enolates with Paraformaldehyde. <i>International Journal of Organic Chemistry</i> , 2019, 09, 10-22.	0.7	3
47	β -2-Amino Acids with Proteinogenic Side Chains and Corresponding Peptides: Synthesis, Secondary Structure, and Biological Activity. , 2005, , 593-617.		2
48	Chloro(histamine)(1,10-phenanthroline)copper(II) chloride monohydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2004, 60, m205-m207.	0.4	1
49	Stoichiometry, Association Constant, and Solvation Model of Chiral Hydroxyfuranones in the Presence of Pirle's Alcohols. <i>Spectroscopy Letters</i> , 2011, 44, 168-175.	1.0	1
50	Kinetics, Thermodynamics, and Theoretical Studies in a Diels-Alder Dimerization Process of 3-Vinylindole Derivative of the β -Indoleacetic Acid: An Auxin.. <i>ChemistrySelect</i> , 2019, 4, 8311-8316.	1.5	1
51	Photooxidation of 2-(tert-Butyl)-3-Methyl-2,3,5,6,7,8-Hexahydroquinazolin-4(1H)-one, an Example of Singlet Oxygen ene Reaction. <i>Molecules</i> , 2020, 25, 5008.	3.8	1
52	Identification, synthesis and structure assignment of two impurities of Erlotinib, a drug used for the treatment of some types of cancer.. <i>Journal of the Mexican Chemical Society</i> , 2019, 63, .	0.6	1
53	Synthesis and Cardiovascular Activity of Metoprolol Analogues.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
54	Enzymatic Resolution of β -Amino Methyl Esters using Lipase B from <i>Candida antarctica</i> .. <i>AIP Conference Proceedings</i> , 2008, , .	0.4	0

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55	Vasorelaxant and Antihypertensive Effects of (3 ¹)-ursen-12-en-3,28-diol by NO/cGMP System. Letters in Drug Design and Discovery, 2022, 19, .	0.7	0