Jesus Alcazar

List of Publications by Year
in descending order

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71	2,070	172457	265206
papers	citations	29 h-index	42 g-index

86	86	86	2198
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Biased mGlu 5 -Positive Allosteric Modulators Provide InÂVivo Efficacy without Potentiating mGlu 5 Modulation of NMDAR Currents. Neuron, 2015, 86, 1029-1040.	8.1	121
2	Blocking melanin-concentrating hormone MCH1 receptor affects rat sleepâ€“wake architecture. European Journal of Pharmacology, 2008, 579, 177-188.	3.5	97
3	Preclinical Evaluation of a P2X7 Receptorâ€“Selective Radiotracer: PET Studies in a Rat Model with Local Overexpression of the Human P2X7 Receptor and in Nonhuman Primates. Journal of Nuclear Medicine, 2016, 57, 1436-1441.	5.0	77
4	Visibleâ€Lightâ€Promoted Ironâ€Catalyzed C(sp²)â€“C(sp³) Kumada Crossâ€Coupling in Flow. Angewandte Chemie - International Edition, 2019, 58, 13030-13034.	13.8	71
5	Visibleâ€Lightâ€Induced Nickelâ€Catalyzed Negishi Crossâ€Couplings by Exogenousâ€Photosensitizerâ€Free Photocatalysis. Angewandte Chemie - International Edition, 2018, 57, 8473-8477.	13.8	65
6	Preclinical Evaluation of ¹⁸F-JNJ41510417 as a Radioligand for PET Imaging of Phosphodiesterase-10A in the Brain. Journal of Nuclear Medicine, 2010, 51, 1584-1591.	5.0	64
7	A biomimetic S _H 2 cross-coupling mechanism for quaternary sp ³ -carbon formation. Science, 2021, 374, 1258-1263.	12.6	64
8	Continuous Synthesis of Organozinc Halides Coupled to Negishi Reactions. Advanced Synthesis and Catalysis, 2014, 356, 3737-3741.	4.3	62
9	Recent applications of microwave irradiation to medicinal chemistry. Future Medicinal Chemistry, 2010, 2, 169-176.	2.3	60
10	Visible-Light-Induced Trifluoromethylation of Highly Functionalized Arenes and Heteroarenes in Continuous Flow. Synthesis, 2017, 49, 4978-4985.	2.3	55
11	Preparation of amides mediated by isopropylmagnesium chloride under continuous flow conditions. Green Chemistry, 2012, 14, 1335.	9.0	54
12	Discovery of 1-Butyl-3-chloro-4-(4-phenyl-1-piperidinyl)-(1H)-pyridone (JNJ-40411813): A Novel Positive Allosteric Modulator of the Metabotropic Glutamate 2 Receptor. Journal of Medicinal Chemistry, 2014, 57, 6495-6512.	6.4	54
13	On-demand synthesis of organozinc halides under continuous flow conditions. Nature Protocols, 2018, 13, 324-334.	12.0	51
14	Discovery of a New Series of Centrally Active Tricyclic Isoxazoles Combining Serotonin (5-HT) Reuptake Inhibition with Î±2-Adrenoceptor Blocking Activity. Journal of Medicinal Chemistry, 2005, 48, 2054-2071.	6.4	48
15	Crossâ€Coupling in Flow using Supported Catalysts: Mild, Clean, Efficient and Sustainable Suzukiâ€“Miyaura Coupling in a Single Pass. Advanced Synthesis and Catalysis, 2012, 354, 3456-3460.	4.3	48
16	Synthesis, Evaluation, and Radiolabeling of New Potent Positive Allosteric Modulators of the Metabotropic Glutamate Receptor 2 as Potential Tracers for Positron Emission Tomography Imaging. Journal of Medicinal Chemistry, 2012, 55, 8685-8699.	6.4	48
17	Synthesis, In Vivo Occupancy, and Radiolabeling of Potent Phosphodiesterase Subtype-10 Inhibitors as Candidates for Positron Emission Tomography Imaging. Journal of Medicinal Chemistry, 2011, 54, 5820-5835.	6.4	43
18	Photoinduced Palladiumâ€Catalyzed Negishi Crossâ€Couplings Enabled by the Visibleâ€Light Absorption of Palladiumâ€“Zinc Complexes. Angewandte Chemie - International Edition, 2018, 57, 13231-13236.	13.8	43

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19	De novo Design of Organic Photocatalysts: Bithiophene Derivatives for the Visibleâ€light Induced Câ€“H Functionalization of Heteroarenes. Advanced Synthesis and Catalysis, 2019, 361, 945-950.	4.3	43
20	Discovery of VU0409551/JNJ-46778212: An mGlu₅ Positive Allosteric Modulator Clinical Candidate Targeting Schizophrenia. ACS Medicinal Chemistry Letters, 2015, 6, 716-720.	2.8	41
21	Grignard Reagents on a Tab: Direct Magnesium Insertion under Flow Conditions. Organic Letters, 2017, 19, 3747-3750.	4.6	40
22	Synthesis and structureâ€“activity relationship of 2-(aminoalkyl)-2,3,3a,8-tetrahydrodibenzo[c,f]isoxazolo[2,3-a]azepine derivatives: a novel series of 5-HT2A/2C receptor antagonists. Part 1. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 243-248.	2.2	39
23	Practical preparation of challenging amides from non-nucleophilic amines and esters under flow conditions. Chemical Communications, 2014, 50, 15094-15097.	4.1	39
24	First Example of Alkylâ€“Aryl Negishi Cross-Coupling in Flow: Mild, Efficient and Clean Introduction of Functionalized Alkyl Groups. Journal of Flow Chemistry, 2015, 4, 22-25.	1.9	38
25	Comparison of New Tau PET-Tracer Candidates With [¹⁸F]T808 and [¹⁸F]T807. Molecular Imaging, 2016, 15, 153601211562492.	1.4	37
26	Improving the throughput of batch photochemical reactions using flow: Dual photoredox and nickel catalysis in flow for C(sp2)<mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:mrow><mml:mtext /></mml:mrow></mml:math>C(sp3) cross-coupling. Bioorganic and Medicinal Chemistry, 2017, 25, 6190-6196.	3.0	37
27	Reproducibility Across Microwave Instruments:Â Preparation of a Set of 24 Compounds on a Multiwell Plate under Temperature-Controlled Conditions. ACS Combinatorial Science, 2005, 7, 353-355.	3.3	33
28	Increasing global access to the high-volume HIV drug nevirapine through process intensification. Green Chemistry, 2017, 19, 2986-2991.	9.0	31
29	What We Observe In Vivo Is Not Always What We See In Vitro: Development and Validation of 11C-JNJ-42491293, A Novel Radioligand for mGluR2. Journal of Nuclear Medicine, 2017, 58, 110-116.	5.0	31
30	Novel methyl substituted 1-(5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl)methanones are P2X7 antagonists. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3157-3163.	2.2	30
31	Scalability of Visible-Light-Induced Nickel Negishi Reactions: A Combination of Flow Photochemistry, Use of Solid Reagents, and In-Line NMR Monitoring. Journal of Organic Chemistry, 2019, 84, 4748-4753.	3.2	29
32	Tricyclic isoxazolines: Identification of R226161 as a potential new antidepressant that combines potent serotonin reuptake inhibition and Î±2-adrenoceptor antagonism. Bioorganic and Medicinal Chemistry, 2007, 15, 3649-3660.	3.0	28
33	Application of flow chemistry to the reduction of nitriles to aldehydes. Tetrahedron Letters, 2011, 52, 6058-6060.	1.4	28
34	Novel Approach for Chemotype Hopping Based on Annotated Databases of Chemically Feasible Fragments and a Prospective Case Study: New Melanin Concentrating Hormone Antagonists. Journal of Medicinal Chemistry, 2009, 52, 2076-2089.	6.4	27
35	Reproducibility across Microwave Instruments: First Example of Genuine Parallel Scale up of Compounds under Microwave Irradiation. QSAR and Combinatorial Science, 2004, 23, 906-910.	1.4	25
36	Microwave Assisted Medicinal Chemistry. Mini-Reviews in Medicinal Chemistry, 2007, 7, 345-369.	2.4	25

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37	Application of Flow Chemistry to the Selective Reduction of Esters to Aldehydes. European Journal of Organic Chemistry, 2012, 2012, 260-263.	2.4	25
38	Synthesis of 3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles, displaying combined 5-HT uptake inhibiting and Î±2-adrenoceptor antagonistic activities: a novel series of potential antidepressants. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 2719-2725.	2.2	24
39	Reproducibility and Scalability of Solvent-Free Microwave-Assisted Reactions:From Domestic Ovens to Controllable Parallel Applications. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 163-169.	1.1	19
40	Synthesis of 7-amino-3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazole derivatives displaying combined Î±2-adrenoceptor antagonistic and 5-HT reuptake inhibiting activities. Bioorganic and Medicinal Chemistry, 2006, 14, 4361-4372.	3.0	18
41	Recent Advances in Positron Emission Tomography (PET) Radiotracers for Imaging Phosphodiesterases. Current Topics in Medicinal Chemistry, 2012, 12, 1224-1236.	2.1	18
42	Synthesis of 3a,4-dihydro-3H-[1]benzopyrano[4,3-c]isoxazoles, displaying combined 5-HT uptake inhibiting and Î±2-adrenoceptor antagonistic activities. Part 2: Further exploration on the cinnamyl moiety. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2917-2922.	2.2	17
43	First Example of a Continuous-Flow Carbonylation Reaction Using Aryl Formates as CO Precursors. Journal of Flow Chemistry, 2014, 4, 105-109.	1.9	17
44	Synthesis of imidazole 1-oxides from 1,2-diimines. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2467-2470.	0.9	15
45	Applications of the Combination of Microwave and Parallel Synthesis in Medicinal Chemistry. Combinatorial Chemistry and High Throughput Screening, 2007, 10, 918-932.	1.1	14
46	Synthesis of 4-hydroxylamino-1-azabuta-1,3-dienes and their cyclization to 2-substituted pyrazole 1-oxides. Journal of the Chemical Society Perkin Transactions 1, 1995, , 2773.	0.9	12
47	Influence of Polarity on the Scalability and Reproducibility of Solvent-Free Microwave-Assisted Reactions. Combinatorial Chemistry and High Throughput Screening, 2011, 14, 109-116.	1.1	12
48	Formation of quaternary carbons through cobalt-catalyzed C(sp3)â€“C(sp3) Negishi cross-coupling. Chemical Communications, 2020, 56, 8210-8213.	4.1	12
49	Synthesis of Imidazole N-Oxides in Solvent-free Conditions. Heterocycles, 1996, 43, 1465.	0.7	12
50	Synthesis of novel 3-substituted-2,3-dihydro-1,4-dioxino[2,3-b]pyridines as potential new scaffolds for drug discovery: selective introduction of substituents on the pyridine ring. Tetrahedron Letters, 2003, 44, 8983-8986.	1.4	11
51	Visibleâ€Lightâ€Induced Nickelâ€Catalyzed Negishi Crossâ€Couplings by Exogenousâ€Photosensitizerâ€Free Photocatalysis. Angewandte Chemie, 2018, 130, 8609-8613.	2.0	11
52	Photoinduced Palladiumâ€Catalyzed Negishi Crossâ€Couplings Enabled by the Visibleâ€Light Absorption of Palladiumâ€“Zinc Complexes. Angewandte Chemie, 2018, 130, 13415-13420.	2.0	9
53	Visibleâ€Lightâ€Promoted Ironâ€Catalyzed C(sp 2)â€“C(sp 3) Kumada Crossâ€Coupling in Flow. Angewandte Chemie, 2019, 131, 13164-13168.	2.0	9
54	Synthesis and structureâ€“Activity relationship of 2-(aminoalkyl)-2,3,3a,8-tetrahydrodibenzo[c,f]isoxazolo[2,3-a]azepine derivatives: a novel series of 5-HT2A/2C receptor antagonists. Part 2. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 249-253.	2.2	8

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55	Negishi coupling reactions with [¹¹C]CH₃I: a versatile method for efficient ¹¹Câ€“C bond formation. Chemical Communications, 2018, 54, 4398-4401.	4.1	8
56	Selective Synthesis of 2-, 4-, and 5-Cyano Substituted Imidazoles from Imidazole N-Oxides and Trimethylsilyl Cyanide. Journal of Organic Chemistry, 1996, 61, 6971-6973.	3.2	7
57	Novel analogues of 3-substituted-2,3-dihydro-1,4-dioxino[2,3-b]pyridines: modifications in the dioxane ring. Tetrahedron Letters, 2003, 44, 8545-8548.	1.4	7
58	Synthesis of novel aza analogues of 2-substituted-2,3-dihydro-1,4-benzodioxins as potential new scaffolds for drug discovery. Tetrahedron Letters, 2003, 44, 2275-2277.	1.4	7
59	Further optimization of the mGlu5 PAM clinical candidate VU0409551/JNJ-46778212: Progress and challenges towards a back-up compound. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 3515-3519.	2.2	7
60	Preliminary investigation of 6,7-dihydropyrazolo[1,5- a]pyrazin-4-one derivatives as a novel series of mGlu 5 receptor positive allosteric modulators with efficacy in preclinical models of schizophrenia. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 429-434.	2.2	7
61	Flow chemistry as a tool to access novel chemical space for drug discovery. Future Medicinal Chemistry, 2020, 12, 1547-1563.	2.3	7
62	Novel Approach towards the Synthesis of 3,3a,4,5-Tetrahydroquinolino[4,3-c]isoxazole Derivatives: Application to the Preparation of Previously Unattainable 3a,4-Dihydroazabenzopyrano[4,3-c]isoxazole Scaffolds. Synlett, 2005, 2005, 3139-3141.	1.8	5
63	C(sp 3)â^'C(sp 3) Bond Formation via Electrochemical Alkoxylation and Subsequent Lewis Acid Promoted Reactions. Advanced Synthesis and Catalysis, 2021, 363, 4521.	4.3	5
64	Synergy between supported ionic liquid-like phases and immobilized palladium N-heterocyclic carbeneâ€“phosphine complexes for the Negishi reaction under flow conditions. Beilstein Journal of Organic Chemistry, 2020, 16, 1924-1935.	2.2	4
65	Recent Advances of Microfluidics Technologies in the Field of Medicinal Chemistry. Annual Reports in Medicinal Chemistry, 2017, 50, 87-147.	0.9	3
66	Flow Chemistry in Drug Discovery: Challenges and Opportunities. Topics in Medicinal Chemistry, 2021, , 1-22.	0.8	1
67	7 Flow chemistry in fine chemical production. , 2021, , 193-228.		1
68	Novel Analogues of 3-Substituted-2,3-dihydro-1,4-dioxino[2,3-b]pyridines: Modifications in the Dioxane Ring.. ChemInform, 2004, 35, no.	0.0	0
69	Synthesis of Novel 3-Substituted-2,3-dihydro-1,4-dioxino[2,3-b]pyridines as Potential New Scaffolds for Drug Discovery: Selective Introduction of Substituents on the Pyridine Ring.. ChemInform, 2004, 35, no.	0.0	0
70	Reproducibility Across Microwave Instruments: Preparation of a Set of 24 Compounds on a Multiwell Plate under Temperature-Controlled Conditions.. ChemInform, 2005, 36, no.	0.0	0
71	RÃ¼cktitelbild: Visibleâ€Lightâ€Induced Nickelâ€Catalyzed Negishi Crossâ€Couplings by Exogenousâ€Photosensitizerâ€Free Photocatalysis (Angew. Chem. 28/2018). Angewandte Chemie, 2018, 130, 8918-8918.	2.0	0