

Andrés A Trabanco

List of Publications by Year in descending order

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3261
citing authors

#	ARTICLE	IF	CITATIONS
1	A Brain-Penetrant and Bioavailable Pyrazolopiperazine BACE1 Inhibitor Elicits Sustained Reduction of Amyloid β^2 In Vivo. ACS Medicinal Chemistry Letters, 2022, 13, 76-83.	1.3	3
2	[18F]Difluorocarbene for positron emission tomography. Nature, 2022, 606, 102-108.	13.7	30
3	O-GlcNAcase inhibitors as potential therapeutics for the treatment of Alzheimer's disease and related tauopathies: analysis of the patent literature. Expert Opinion on Therapeutic Patents, 2021, 31, 1117-1154.	2.4	21
4	Scaffold Hopping to Imidazo[1,2-a]pyrazin-8-one Positive Allosteric Modulators of Metabotropic Glutamate 2 Receptor. ACS Omega, 2021, 6, 22997-23006.	1.6	1
5	Late-stage difluoromethylation: concepts, developments and perspective. Chemical Society Reviews, 2021, 50, 8214-8247.	18.7	172
6	Spiro-oxindole Piperidines and 3-(Azetidin-3-yl)-1 <i>H</i> -benzimidazol-2-ones as mGlu ₂ Receptor PAMs. ACS Medicinal Chemistry Letters, 2020, 11, 303-308.	1.3	5
7	Silyl Radical-Mediated Activation of Sulfamoyl Chlorides Enables Direct Access to Aliphatic Sulfonamides from Alkenes. Journal of the American Chemical Society, 2020, 142, 720-725.	6.6	78
8	Diazaspiro-nonane Nonsaccharide Inhibitors of O-GlcNAcase (OGA) for the Treatment of Neurodegenerative Disorders. Journal of Medicinal Chemistry, 2020, 63, 14017-14044.	2.9	10
9	[1,2,4]Triazolo[1,5- <i>a</i>]pyrimidine Phosphodiesterase 2A Inhibitors: Structure and Free-Energy Perturbation-Guided Exploration. Journal of Medicinal Chemistry, 2020, 63, 12887-12910.	2.9	14
10	Hydrosulfonylation of Alkenes with Sulfonyl Chlorides under Visible Light Activation. Angewandte Chemie, 2020, 132, 11717-11723.	1.6	24
11	Organophotoredox Hydrodefluorination of Trifluoromethylarenes with Translational Applicability to Drug Discovery. Journal of the American Chemical Society, 2020, 142, 9181-9187.	6.6	120
12	Hydrogen Bonding Phase-Transfer Catalysis with Ionic Reactants: Enantioselective Synthesis of β^3 -Fluoroamines. Journal of the American Chemical Society, 2020, 142, 14045-14051.	6.6	53
13	Hydrosulfonylation of Alkenes with Sulfonyl Chlorides under Visible Light Activation. Angewandte Chemie - International Edition, 2020, 59, 11620-11626.	7.2	100
14	Easy Access to Aliphatic Sulfonamides using Sulfamoyl Chlorides Under Visible Light Activation. Journal of Visualized Experiments, 2020, , .	0.2	1
15	Small Molecule Binding to Alzheimer Risk Factor CD33 Promotes β^2 Phagocytosis. IScience, 2019, 19, 110-118.	1.9	59
16	Evaluation of a Series of β^2 -Secretase 1 Inhibitors Containing Novel Heteroaryl-Fused-Piperazine Amidine Warheads. ACS Medicinal Chemistry Letters, 2019, 10, 1159-1165.	1.3	20
17	mGluR2 positive allosteric modulators: an updated patent review (2013-2018). Expert Opinion on Therapeutic Patents, 2019, 29, 497-507.	2.4	21
18	Hydrochlorofluoromethylation of unactivated alkenes with chlorofluoroacetic acid. Tetrahedron, 2019, 75, 130679.	1.0	7

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19	Progress toward allosteric ligands of metabotropic glutamate 7 (mGlu7) receptor: 2008â€‘present. <i>MedChemComm</i> , 2019, 10, 193-199.	3.5	3
20	Hydrodifluoromethylation of Alkenes with Difluoroacetic Acid. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 8829-8833.	7.2	107
21	Hydrodifluoromethylation of Alkenes with Difluoroacetic Acid. <i>Angewandte Chemie</i> , 2019, 131, 8921-8925.	1.6	20
22	Inhibition of the Alanine-Serine-Cysteine-1 Transporter by BMS-466442. <i>ACS Chemical Neuroscience</i> , 2019, 10, 2510-2517.	1.7	8
23	Computationally Guided Identification of Allosteric Agonists of the Metabotropic Glutamate 7 Receptor. <i>ACS Chemical Neuroscience</i> , 2019, 10, 1043-1054.	1.7	5
24	Covalent Allosteric Probe for the Metabotropic Glutamate Receptor $\hat{A}2$: Design, Synthesis, and Pharmacological Characterization. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 223-233.	2.9	17
25	Optimization of 1,4-Oxazine $\hat{I}2$ -Secretase 1 (BACE1) Inhibitors Toward a Clinical Candidate. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 5292-5303.	2.9	15
26	Bench-Stable Transfer Reagent Facilitates the Generation of Trifluoromethyl-sulfonimidamides. <i>Journal of Organic Chemistry</i> , 2018, 83, 9510-9516.	1.7	22
27	Discovery of <i>N</i> -(Pyridin-4-yl)-1,5-naphthyridin-2-amines as Potential Tau Pathology PET Tracers for Alzheimerâ€™s Disease. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 1272-1291.	2.9	31
28	Acylguanidine Beta Secretase 1 Inhibitors: A Combined Experimental and Free Energy Perturbation Study. <i>Journal of Chemical Theory and Computation</i> , 2017, 13, 1439-1453.	2.3	67
29	Continuous Flow $\hat{I}2$ -Arylation of <i>N,N</i> -Dialkylhydrazones under Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2017, 19, 938-941.	2.4	28
30	1,3,5-Trisubstituted Pyrazoles as Potent Negative Allosteric Modulators of the mGlu _{2/3} Receptors. <i>ChemMedChem</i> , 2017, 12, 905-912.	1.6	9
31	Fragment Binding to $\hat{I}2$ -Secretase 1 without Catalytic Aspartate Interactions Identified via Orthogonal Screening Approaches. <i>ACS Omega</i> , 2017, 2, 685-697.	1.6	14
32	The Synthesis of Trifluoromethyl-sulfonimidamides from Sulfinamides. <i>Journal of Organic Chemistry</i> , 2017, 82, 9898-9904.	1.7	32
33	Identification of Allosteric Modulators of Metabotropic Glutamate 7 Receptor Using Proteochemometric Modeling. <i>Journal of Chemical Information and Modeling</i> , 2017, 57, 2976-2985.	2.5	18
34	Discovery and Kinetic Profiling of 7-Aryl-1,2,4-triazolo[4,3- <i>a</i>]pyridines: Positive Allosteric Modulators of the Metabotropic Glutamate Receptor 2. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6704-6720.	2.9	35
35	Industrial medicinal chemistry insights: neuroscience hit generation at Janssen. <i>Drug Discovery Today</i> , 2017, 22, 1478-1488.	3.2	5
36	Molecular mechanism of positive allosteric modulation of the metabotropic glutamate receptor 2 by JNJ $\hat{A}6281222$. <i>British Journal of Pharmacology</i> , 2016, 173, 588-600.	2.7	39

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37	Application of Free Energy Perturbation for the Design of BACE1 Inhibitors. <i>Journal of Chemical Information and Modeling</i> , 2016, 56, 1856-1871.	2.5	92
38	Discovery of 8-Trifluoromethyl-3-cyclopropylmethyl-7-[(4-(2,4-difluorophenyl)-1-piperazinyl)methyl]-1,2,4-triazolo[4,3- <i>a</i>]pyridine (JNJ-46356479), a Selective and Orally Bioavailable mGlu2 Receptor Positive Allosteric Modulator (PAM). <i>Journal of Medicinal Chemistry</i> , 2016, 59, 8495-8507.	2.9	35
39	Towards selective phosphodiesterase 2A (PDE2A) inhibitors: a patent review (2010 - present). <i>Expert Opinion on Therapeutic Patents</i> , 2016, 26, 933-946.	2.4	22
40	A Versatile Approach to CF ₃ -Containing 2-Pyrrolidones by Tandem Michael Addition-Cyclization: Exemplification in the Synthesis of Amidine Class BACE1 Inhibitors. <i>Chemistry - A European Journal</i> , 2015, 21, 11617-11617.	1.7	0
41	A Versatile Approach to CF ₃ -Containing 2-Pyrrolidones by Tandem Michael Addition-Cyclization: Exemplification in the Synthesis of Amidine Class BACE1 Inhibitors. <i>Chemistry - A European Journal</i> , 2015, 21, 11719-11726.	1.7	16
42	Synthesis of 2,1-Borazaroquinolines and 2,1-Borazaroisoquinolines from Vinyl-Aminopyridines and Potassium Organotrifluoroborates by Microwave-Assisted Heating. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5221-5229.	1.2	17
43	Pyrido[4,3- <i>e</i>][1,2,4]triazolo[4,3- <i>a</i>]pyrazines as Selective, Brain Penetrant Phosphodiesterase 2 (PDE2) Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2015, 6, 282-286.	1.3	49
44	N-bridged 5,6-bicyclic pyridines: Recent applications in central nervous system disorders. <i>European Journal of Medicinal Chemistry</i> , 2015, 97, 719-731.	2.6	18
45	Pharmacological and pharmacokinetic properties of JNJ-40411813, a positive allosteric modulator of the mGlu2 receptor. <i>Pharmacology Research and Perspectives</i> , 2015, 3, e00096.	1.1	32
46	Molecular determinants of positive allosteric modulation of the human metabotropic glutamate receptor 2. <i>British Journal of Pharmacology</i> , 2015, 172, 2383-2396.	2.7	37
47	1,4-Oxazine ² -Secretase 1 (BACE1) Inhibitors: From Hit Generation to Orally Bioavailable Brain Penetrant Leads. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 8216-8235.	2.9	67
48	Benzazaborinines as Novel Bioisosteric Replacements of Naphthalene: Propranolol as an Example. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9287-9295.	2.9	62
49	Anilino-triazoles as potent gamma secretase modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 5805-5813.	1.0	17
50	Metabotropic Glutamate Receptor 2 Activators. <i>Topics in Medicinal Chemistry</i> , 2014, , 101-142.	0.4	4
51	A General Synthesis of β -Trifluoromethylstyrenes through Palladium-Catalyzed Cross-Couplings with 1,1-Trifluoroacetone Tosylhydrazone. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 1079-1084.	2.1	34
52	Diastereoselective Synthesis of 2-Phenyl-3-(trifluoromethyl)piperazines as Building Blocks for Drug Discovery. <i>Journal of Organic Chemistry</i> , 2014, 79, 5887-5894.	1.7	19
53	QSAR design of triazolopyridine mGlu2 receptor positive allosteric modulators. <i>Journal of Molecular Graphics and Modelling</i> , 2014, 53, 82-91.	1.3	20
54	Discovery of 1-Butyl-3-chloro-4-(4-phenyl-1-piperidinyl)-(1 <i>H</i>)-pyridone (JNJ-40411813): A Novel Positive Allosteric Modulator of the Metabotropic Glutamate 2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 6495-6512.	2.9	54

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55	Structure-Based Design of a Potent, Selective, and Brain Penetrating PDE2 Inhibitor with Demonstrated Target Engagement. <i>ACS Medicinal Chemistry Letters</i> , 2014, 5, 1049-1053.	1.3	41
56	Design and synthesis of bicyclic heterocycles as potent $\hat{\Gamma}^3$ -secretase modulators. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 4794-4800.	1.0	18
57	Dihydrothiazolopyridone Derivatives as a Novel Family of Positive Allosteric Modulators of the Metabotropic Glutamate 5 (mGlu ₅) Receptor. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 7243-7259.	2.9	20
58	Discovery of a new series of [1,2,4]triazolo[4,3-a]quinoxalines as dual phosphodiesterase 2/phosphodiesterase 10 (PDE2/PDE10) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 785-790.	1.0	28
59	mGluR2 positive allosteric modulators: a patent review (2009 – present). <i>Expert Opinion on Therapeutic Patents</i> , 2013, 23, 629-647.	2.4	37
60	Pharmacological Characterization of JNJ-40068782, a New Potent, Selective, and Systemically Active Positive Allosteric Modulator of the mGlu2 Receptor and Its Radioligand [³ H]JNJ-40068782. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2013, 346, 514-527.	1.3	59
61	Regioselective Preparation of 3-Alkoxy-5-difluoroanilines by S _N Ar. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 7048-7052.	1.2	7
62	A practical entry to $\hat{\Gamma}^2$ -aryl- $\hat{\Gamma}^2$ -alkyl amino alcohols: application to the synthesis of a potent BACE1 inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 6758.	1.5	12
63	Discovery of 1,4-Disubstituted 3-Cyano-2-pyridones: A New Class of Positive Allosteric Modulators of the Metabotropic Glutamate 2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2388-2405.	2.9	33
64	Imidazo[1,2-a]pyridines: Orally Active Positive Allosteric Modulators of the Metabotropic Glutamate 2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 2688-2701.	2.9	55
65	Design and Synthesis of a Novel Series of Bicyclic Heterocycles As Potent $\hat{\Gamma}^3$ -Secretase Modulators. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9089-9106.	2.9	59
66	Synthesis, Evaluation, and Radiolabeling of New Potent Positive Allosteric Modulators of the Metabotropic Glutamate Receptor 2 as Potential Tracers for Positron Emission Tomography Imaging. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8685-8699.	2.9	48
67	Discovery of 3-Cyclopropylmethyl-7-(4-phenylpiperidin-1-yl)-8-trifluoromethyl[1,2,4]triazolo[4,3-a]pyridine (JNJ-42153605): A Positive Allosteric Modulator of the Metabotropic Glutamate 2 Receptor. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 8770-8789.	2.9	71
68	New positive allosteric modulators of the metabotropic glutamate receptor 2 (mGluR2). Identification and synthesis of N-propyl-5-substituted isoquinolones. <i>MedChemComm</i> , 2011, 2, 132-139.	3.5	10
69	Rational design and synthesis of aminopiperazinones as $\hat{\Gamma}^2$ -secretase (BACE) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 7255-7260.	1.0	44
70	Design, Synthesis, and Biological Evaluation of Novel Fluorinated Ethanolamines. <i>Chemistry - A European Journal</i> , 2011, 17, 14772-14784.	1.7	14
71	New positive allosteric modulators of the metabotropic glutamate receptor 2 (mGluR2): Identification and synthesis of N-propyl-8-chloro-6-substituted isoquinolones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 971-976.	1.0	18
72	Progress in the Development of Positive Allosteric Modulators of the Metabotropic Glutamate Receptor 2. <i>Current Medicinal Chemistry</i> , 2011, 18, 47-68.	1.2	44

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73	Microwave-assisted N-debenzylation of amides with triflic acid. <i>Tetrahedron Letters</i> , 2010, 51, 4815-4818.	0.7	27
74	Scaffold hopping from pyridones to imidazo[1,2-a]pyridines. New positive allosteric modulators of metabotropic glutamate 2 receptor. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 175-179.	1.0	73
75	Discovery of 1,5-Disubstituted Pyridones: A New Class of Positive Allosteric Modulators of the Metabotropic Glutamate 2 Receptor. <i>ACS Chemical Neuroscience</i> , 2010, 1, 788-795.	1.7	21
76	Mononuclear Biscarbene Complexes by Direct Nucleophile Addition to a CO Ligand of Fischer Arylcarbene Complexes. <i>Chemistry - A European Journal</i> , 2008, 14, 5401-5404.	1.7	12
77	Fluorous-Tagged Carbamates for the Pd-Catalyzed Amination of Aryl Halides. <i>Journal of Organic Chemistry</i> , 2007, 72, 8146-8148.	1.7	46
78	4-Phenyl-4-[1H-imidazol-2-yl]-piperidine derivatives as non-peptidic selective $\hat{\mu}$ -opioid agonists with potential anxiolytic/antidepressant properties. Part 2. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 3860-3863.	1.0	19
79	4-Phenyl-4-[1H-imidazol-2-yl]-piperidine derivatives, a novel class of selective $\hat{\mu}$ -opioid agonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 146-149.	1.0	7
80	Novel 2-N,N-dimethylaminomethyl-2,3,3a,12b-tetrahydrodibenzo[b,f]furo[2,3-d]oxepin derivatives displaying combined norepinephrine reuptake inhibition and 5-HT _{2A/2C} receptor antagonism. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2005, 15, 2898-2901.	1.0	13
81	Synthesis of 2-N,N-dimethylaminomethyl-2,3,3a,12b-tetrahydrodibenzo[b,f]furo[2,3-d]oxepine derivatives as potential anxiolytic agents. Part 2: substitutions by methyl groups on the tetrahydrofuran ring. <i>Il Farmaco</i> , 2005, 60, 241-248.	0.9	15
82	Potassium Iodide Catalyzed Monoalkylation of Anilines under Microwave Irradiation.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
83	Synthesis of 2-N,N-Dimethylaminomethyl-2,3,3a,12b-tetrahydrodibenzo[b,f]furo [2,3-d]oxepine Derivatives as Potential Anxiolytic Agents. Part 2. Substitutions by Methyl Groups on the Tetrahydrofuran Ring.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
84	Novel 2-N,N-Dimethylaminomethyl-2,3,3a,12b-tetrahydrodibenzo[b,f]furo [2,3-d]oxepin Derivatives Displaying Combined Norepinephrine Reuptake Inhibition and 5-HT _{2A/2C} Receptor Antagonism.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
85	Discovery of New Tetracyclic Tetrahydrofuran Derivatives as Potential Broad-Spectrum Psychotropic Agents. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 1709-1712.	2.9	66
86	Selective $\hat{\mu}$ -Monoallylation of Phenyl Ketones and Benzocycloalkanones under Microwave Irradiation.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
87	Selective $\hat{\mu}$ -monoallylation of phenyl ketones and benzocycloalkanones under microwave irradiation. <i>Tetrahedron Letters</i> , 2004, 45, 1133-1136.	0.7	10
88	Potassium iodide catalysed monoalkylation of anilines under microwave irradiation. <i>Tetrahedron Letters</i> , 2004, 45, 8797-8800.	0.7	66
89	Synthesis and structure-activity relationship of 2-(aminoalkyl)-3,3a,8,12b-tetrahydro-2H-dibenzocyclohepta[1,2-b]furan derivatives: a novel series of 5-HT _{2A/2C} receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004, 14, 2765-2771.	1.0	18
90	Synthesis and Reactions of Aminoporphyrazines with Annulated Five- and Seven-Membered Rings. <i>Journal of Organic Chemistry</i> , 2003, 68, 1665-1670.	1.7	69

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91	2- and 3-Haloalkoxy Fischer Carbene Complexes of Chromium as Synthons for either Hydroxycyclopropanation or Oxaspirocyclopropanation of Alkenes. <i>Chemistry - A European Journal</i> , 2001, 7, 4723-4729.	1.7	15
92	Diastereoselective Intermolecular Cyclopropanation of Simple Alkenes by Fischer Alkenyl and Heteroaryl Carbene Complexes of Chromium: Scope and Limitations. <i>Journal of the American Chemical Society</i> , 2000, 122, 8145-8154.	6.6	48
93	Asymmetric Benzopentaannulation from Tungsten (($\hat{\wedge}$)-Menthyloxy)(aryl)carbene Complexes, Alkynyllithiums, and Methyl Triflate. <i>Journal of the American Chemical Society</i> , 1998, 120, 12129-12130.	6.6	37
94	Diastereoselective Cyclopropanation of Simple Alkenes by 2-Phenyl- and 2-Ferrocenylalkenyl Fischer Carbene Complexes of Chromium. <i>Journal of the American Chemical Society</i> , 1997, 119, 7591-7592.	6.6	34
95	Asymmetric Conjugate Nucleophilic Addition of Organolithiums to Chromium (Menthyloxy)(aryl)carbene Complexes. <i>Journal of the American Chemical Society</i> , 1996, 118, 13099-13100.	6.6	40