

# Leggy A Arnold

## List of Publications by Citations

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96  
papers

3,433  
citations

30  
h-index

56  
g-index

116  
ext. papers

3,755  
ext. citations

5.4  
avg, IF

4.63  
L-index

#	Paper	IF	Citations
96	Highly Enantioselective Catalytic Conjugate Addition and Tandem Conjugate Addition/Aldol Reactions of Organozinc Reagents. <i>Angewandte Chemie International Edition in English</i> , <b>1997</b> , 36, 2620-2623		396
95	Enantioselective Catalytic Conjugate Addition of Dialkylzinc Reagents using Copper-Phosphoramidite Complexes; Ligand Variation and Non-linear Effects. <i>Tetrahedron</i> , <b>2000</b> , 56, 2865-2878	2.4	257
94	A surface on the androgen receptor that allosterically regulates coactivator binding. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 16074-9	11.5	229
93	Identification and characterization of the first small molecule inhibitor of MDMX. <i>Journal of Biological Chemistry</i> , <b>2010</b> , 285, 10786-96	5.4	152
92	Catalytic Enantioselective Annulations via 1,4-Addition/Aldol Cyclization of Functionalized Organozinc Reagents. <i>Journal of the American Chemical Society</i> , <b>1999</b> , 121, 1104-1105	16.4	134
91	Copper phosphoramidite catalyzed enantioselective ring-opening of oxabicyclic alkenes: remarkable reversal of stereocontrol. <i>Organic Letters</i> , <b>2002</b> , 4, 2703-5	6.2	124
90	Catalytic enantioselective synthesis of prostaglandin E(1) methyl ester using a tandem 1,4-addition-aldol reaction to a cyclopenten-3,5-dione monoacetal. <i>Journal of the American Chemical Society</i> , <b>2001</b> , 123, 5841-2	16.4	104
89	Enantioselective copper-catalyzed allylic alkylation with dialkylzincs using phosphoramidite ligands. <i>Organic Letters</i> , <b>2001</b> , 3, 1169-71	6.2	100
88	Hoehenantioselektive katalytische 1,4-Addition und kombinierte 1,4-Addition/Aldolreaktion von Organozinkreagentien an Enone. <i>Angewandte Chemie</i> , <b>1997</b> , 109, 2733-2736	3.6	91
87	An integrated in vitro and in vivo high-throughput screen identifies treatment leads for ependymoma. <i>Cancer Cell</i> , <b>2011</b> , 20, 384-99	24.3	89
86	Discovery of small molecule inhibitors of the interaction of the thyroid hormone receptor with transcriptional coregulators. <i>Journal of Biological Chemistry</i> , <b>2005</b> , 280, 43048-55	5.4	88
85	Catalytic enantioselective synthesis of (-)-prostaglandin E1 methyl ester based on a tandem 1,4-addition-aldol reaction. <i>Journal of Organic Chemistry</i> , <b>2002</b> , 67, 7244-54	4.2	86
84	Synthesis of medium ring heterocycles using an intramolecular Heck reaction. <i>Organic Letters</i> , <b>2004</b> , 6, 3005-7	6.2	77
83	Inhibition of a viral enzyme by a small-molecule dimer disruptor. <i>Nature Chemical Biology</i> , <b>2009</b> , 5, 640-611.7	11.7	72
82	Highly Enantioselective Copper-Catalyzed Allylic Alkylation with Phosphoramidite Ligands. <i>Advanced Synthesis and Catalysis</i> , <b>2004</b> , 346, 413-420	5.6	71
81	Highly Enantioselective Copper-Phosphoramidite Catalyzed Kinetic Resolution of Chiral 2-Cyclohexenones. <i>Angewandte Chemie - International Edition</i> , <b>2001</b> , 40, 927-930	16.4	70
80	Quantification of the vitamin D receptor-coregulator interaction. <i>Biochemistry</i> , <b>2009</b> , 48, 1454-61	3.2	53

79	Structural insight into the mode of action of a direct inhibitor of coregulator binding to the thyroid hormone receptor. <i>Molecular Endocrinology</i> , <b>2007</b> , 21, 2919-28		53
78	Identification and analysis of hepatitis C virus NS3 helicase inhibitors using nucleic acid binding assays. <i>Nucleic Acids Research</i> , <b>2012</b> , 40, 8607-21	20.1	47
77	Improvement of pharmacological properties of irreversible thyroid receptor coactivator binding inhibitors. <i>Journal of Medicinal Chemistry</i> , <b>2009</b> , 52, 3892-901	8.3	44
76	Catalytic enantioselective carbon-carbon bond formation by addition of dialkylzinc reagents to cyclic 1,3-diene monoepoxides. <i>Tetrahedron Letters</i> , <b>1998</b> , 39, 7795-7798	2	44
75	A new diastereo- and enantioselective copper-catalyzed conversion of alkynyl epoxides into allenic alcohols. <i>Tetrahedron Letters</i> , <b>1999</b> , 40, 4893-4896	2	42
74	Discovery of the first irreversible small molecule inhibitors of the interaction between the vitamin D receptor and coactivators. <i>Journal of Medicinal Chemistry</i> , <b>2012</b> , 55, 4640-51	8.3	40
73	Copper-catalyzed Enantioselective Conjugate Addition Reactions of Organozinc Reagents		39
72	Inhibitors of the interaction of a thyroid hormone receptor and coactivators: preliminary structure-activity relationships. <i>Journal of Medicinal Chemistry</i> , <b>2007</b> , 50, 5269-80	8.3	38
71	New bidentate chiral phosphoramidites in copper-catalyzed asymmetric 1,4-addition of diethylzinc to cyclic ketones: enantioselective tandem 1,4-addition-aldol reactions with 2-cyclopentenone. <i>Tetrahedron: Asymmetry</i> , <b>2001</b> , 12, 1929-1937		38
70	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. <i>Molecular Neuropsychiatry</i> , <b>2019</b> , 5, 84-97	4.9	35
69	Synthesis and Characterization of a Novel $\beta$ -Aminobutyric Acid Type A (GABA) Receptor Ligand That Combines Outstanding Metabolic Stability, Pharmacokinetics, and Anxiolytic Efficacy. <i>Journal of Medicinal Chemistry</i> , <b>2016</b> , 59, 10800-10806	8.3	34
68	Enantioselective synthesis of bicyclic compounds via catalytic 1,4-addition-ring closing metathesis. <i>Chemical Communications</i> , <b>2001</b> , 735-736	5.8	32
67	A Review of the Updated Pharmacophore for the Alpha 5 GABA(A) Benzodiazepine Receptor Model. <i>International Journal of Medicinal Chemistry</i> , <b>2015</b> , 2015, 430248	1.7	31
66	Methylsulfonylnitrobenzoates, a new class of irreversible inhibitors of the interaction of the thyroid hormone receptor and its obligate coactivators that functionally antagonizes thyroid hormone. <i>Journal of Biological Chemistry</i> , <b>2011</b> , 286, 11895-908	5.4	29
65	A new catalytic and enantioselective desymmetrization of symmetrical methylenecycloalkene oxides. <i>Organic Letters</i> , <b>2000</b> , 2, 933-6	6.2	27
64	Design and Synthesis of Novel Deuterated Ligands Functionally Selective for the $\beta$ -Aminobutyric Acid Type A Receptor (GABA <sub>A</sub> ) $\beta$ Subtype with Improved Metabolic Stability and Enhanced Bioavailability. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 2422-2446	8.3	26
63	Identification of a novel, fast-acting GABAergic antidepressant. <i>Molecular Psychiatry</i> , <b>2018</b> , 23, 384-391	15.1	23
62	A fluorescence-based high throughput assay for the determination of small molecule-human serum albumin protein binding. <i>Analytical and Bioanalytical Chemistry</i> , <b>2014</b> , 406, 1867-75	4.4	23

61	A high-throughput screening method to identify small molecule inhibitors of thyroid hormone receptor coactivator binding. <i>Science Signaling</i> , <b>2006</b> , 2006, p13	8.8	23
60	Discovery and Optimization of Novel Hydrogen Peroxide Activated Aromatic Nitrogen Mustard Derivatives as Highly Potent Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , <b>2018</b> , 61, 9132-9145	8.3	23
59	Calcitroic Acid-A Review. <i>ACS Chemical Biology</i> , <b>2016</b> , 11, 2665-2672	4.9	21
58	Pharmacological and antihyperalgesic properties of the novel $\alpha/3$ preferring GABA receptor ligand MP-III-024. <i>Brain Research Bulletin</i> , <b>2017</b> , 131, 62-69	3.9	20
57	Alleviation of Multiple Asthmatic Pathologic Features with Orally Available and Subtype Selective GABA Receptor Modulators. <i>Molecular Pharmaceutics</i> , <b>2017</b> , 14, 2088-2098	5.6	20
56	Development of novel Vitamin D Receptor-Coactivator Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , <b>2014</b> , 5, 199-204	4.3	20
55	Differential regulation of epidermal function by VDR coactivators. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , <b>2010</b> , 121, 308-13	5.1	20
54	Novel flufenamic acid analogues as inhibitors of androgen receptor mediated transcription. <i>ACS Chemical Biology</i> , <b>2009</b> , 4, 834-43	4.9	20
53	Further evaluation of the potential anxiolytic activity of imidazo[1,5-a][1,4]diazepin agents selective for $\alpha/3$ -containing GABA receptors. <i>Pharmacology Biochemistry and Behavior</i> , <b>2017</b> , 157, 35-40	3.9	19
52	A Novel Orally Available Asthma Drug Candidate That Reduces Smooth Muscle Constriction and Inflammation by Targeting GABA Receptors in the Lung. <i>Molecular Pharmaceutics</i> , <b>2018</b> , 15, 1766-1777	5.6	19
51	High-throughput identification of promiscuous inhibitors from screening libraries with the use of a thiol-containing fluorescent probe. <i>Journal of Biomolecular Screening</i> , <b>2013</b> , 18, 705-13		19
50	Peroxisome proliferation-activated receptor $\beta$ agonist GW0742 interacts weakly with multiple nuclear receptors, including the vitamin D receptor. <i>Biochemistry</i> , <b>2013</b> , 52, 4193-203	3.2	19
49	Hydrogen peroxide activated quinone methide precursors with enhanced DNA cross-linking capability and cytotoxicity towards cancer cells. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 133, 197-207	6.8	18
48	Development of GABAA Receptor Subtype-Selective Imidazobenzodiazepines as Novel Asthma Treatments. <i>Molecular Pharmaceutics</i> , <b>2016</b> , 13, 2026-38	5.6	18
47	Anticancer activity of VDR-coregulator inhibitor PS121912. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2014</b> , 74, 787-98	3.5	16
46	A high-throughput ligand competition binding assay for the androgen receptor and other nuclear receptors. <i>Journal of Biomolecular Screening</i> , <b>2009</b> , 14, 43-8		16
45	Interaction between the androgen receptor and a segment of its corepressor SHP. <i>Acta Crystallographica Section D: Biological Crystallography</i> , <b>2007</b> , 63, 1198-200		16
44	Highly Enantioselective CopperPhosphoramidite Catalyzed Kinetic Resolution of Chiral 2-Cyclohexenones. <i>Angewandte Chemie</i> , <b>2001</b> , 113, 953-956	3.6	16

43	Glo1 inhibitors for neuropsychiatric and anti-epileptic drug development. <i>Biochemical Society Transactions</i> , <b>2014</b> , 42, 461-7	5.1	15
42	A quantitative high-throughput screen identifies novel inhibitors of the interaction of thyroid receptor beta with a peptide of steroid receptor coactivator 2. <i>Journal of Biomolecular Screening</i> , <b>2011</b> , 16, 618-27		15
41	Synthesis of highly substituted dibenzo[b,f]azocines and their evaluation as protein kinase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2006</b> , 16, 5360-3	2.9	15
40	Efficacy of a non-hypercalcemic vitamin-D2 derived anti-cancer agent (MT19c) and inhibition of fatty acid synthesis in an ovarian cancer xenograft model. <i>PLoS ONE</i> , <b>2012</b> , 7, e34443	3.7	13
39	Optimization of substituted imidazobenzodiazepines as novel asthma treatments. <i>European Journal of Medicinal Chemistry</i> , <b>2017</b> , 126, 550-560	6.8	12
38	Similarities and differences between two modes of antagonism of the thyroid hormone receptor. <i>ACS Chemical Biology</i> , <b>2011</b> , 6, 1096-106	4.9	12
37	IDENTIFICATION OF VDR ANTAGONISTS AMONG NUCLEAR RECEPTOR LIGANDS USING VIRTUAL SCREENING. <i>Nuclear Receptor Research</i> , <b>2014</b> , 1,	1.4	11
36	Genetic and pharmacological manipulation of glyoxalase 1 regulates voluntary ethanol consumption in mice. <i>Addiction Biology</i> , <b>2017</b> , 22, 381-389	4.6	10
35	Synthesis and evaluation of vitamin D receptor-mediated activities of cholesterol and vitamin D metabolites. <i>European Journal of Medicinal Chemistry</i> , <b>2016</b> , 109, 238-46	6.8	10
34	Evaluation of the first Ergocalciferol-derived, non hypercalcemic anti-cancer agent MT19c in ovarian cancer SKOV-3 cell lines. <i>Gynecologic Oncology</i> , <b>2011</b> , 123, 370-8	4.9	10
33	Characterization of GABA receptor ligands with automated patch-clamp using human neurons derived from pluripotent stem cells. <i>Journal of Pharmacological and Toxicological Methods</i> , <b>2016</b> , 82, 109-114	1.7	10
32	A novel GABA receptor ligand MIDD0301 with limited blood-brain barrier penetration relaxes airway smooth muscle ex vivo and in vivo. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2019</b> , 316, L385-L390	5.8	9
31	PT19c, Another Nonhypercalcemic Vitamin D2 Derivative, Demonstrates Antitumor Efficacy in Epithelial Ovarian and Endometrial Cancer Models. <i>Genes and Cancer</i> , <b>2013</b> , 4, 524-34	2.9	8
30	Design and Evaluation of Heterobivalent PAR1-PAR2 Ligands as Antagonists of Calcium Mobilization. <i>ACS Medicinal Chemistry Letters</i> , <b>2019</b> , 10, 121-126	4.3	8
29	Novel VDR antagonists based on the GW0742 scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2018</b> , 28, 351-354	2.9	7
28	Synthesis and characterization of BODIPY-labeled colchicine. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2008</b> , 18, 5867-70	2.9	7
27	Antitumor Activity of 3-Indolylmethanamines 31B and PS121912. <i>Anticancer Research</i> , <b>2015</b> , 35, 6001-7	2.3	7
26	Alternative binding sites at the vitamin D receptor and their ligands. <i>Molecular and Cellular Endocrinology</i> , <b>2019</b> , 485, 1-8	4.4	7

25	Synthesis of chiral GABA receptor subtype selective ligands as potential agents to treat schizophrenia as well as depression. <i>Arkivoc</i> , <b>2018</b> , 2018, 158-182	0.9	7
24	MIDD0301 - A first-in-class anti-inflammatory asthma drug targets GABA receptors without causing systemic immune suppression. <i>Basic and Clinical Pharmacology and Toxicology</i> , <b>2019</b> , 125, 75-84	3.1	6
23	Comparison of cell expression formats for the characterization of GABA(A) channels using a microfluidic patch clamp system. <i>Assay and Drug Development Technologies</i> , <b>2012</b> , 10, 325-35	2.1	5
22	Improved scale-up synthesis and purification of clinical asthma candidate MIDD0301. <i>Organic Process Research and Development</i> , <b>2020</b> , 24, 1467-1476	3.9	5
21	A high-throughput screening assay for pyruvate carboxylase. <i>Analytical Biochemistry</i> , <b>2018</b> , 550, 90-98	3.1	4
20	Inhibitors for the Vitamin D Receptor-Coregulator Interaction. <i>Vitamins and Hormones</i> , <b>2016</b> , 100, 45-82	2.5	4
19	A Structure-Activity Relationship Comparison of Imidazodiazepines Binding at Kappa, Mu, and Delta Opioid Receptors and the GABA Receptor. <i>Molecules</i> , <b>2020</b> , 25,	4.8	4
18	The parmodulin NRD-21 is an allosteric inhibitor of PAR1 Gq signaling with improved anti-inflammatory activity and stability. <i>Bioorganic and Medicinal Chemistry</i> , <b>2019</b> , 27, 3788-3796	3.4	3
17	Parallel Chemistry Approach to Identify Novel Nuclear Receptor Ligands Based on the GW0742 Scaffold. <i>ACS Combinatorial Science</i> , <b>2017</b> , 19, 646-656	3.9	3
16	Modulation of Transcription mediated by the Vitamin D Receptor and the Peroxisome Proliferator-Activated Receptor $\gamma$ In the presence of GW0742 analogs. <i>Journal of Biomolecular Research &amp; Therapeutics</i> , <b>2014</b> , 3,		3
15	Ligand competition binding assay for the androgen receptor. <i>Methods in Molecular Biology</i> , <b>2011</b> , 776, 59-68	1.4	3
14	New Oral Treatments for Asthma through Tissue-Specific Modulation of the GABAA Receptor. <i>Journal of Allergy and Clinical Immunology</i> , <b>2017</b> , 139, AB9	11.5	2
13	An anthrone-based Kv7.2/7.3 channel blocker with improved properties for the investigation of psychiatric and neurodegenerative disorders. <i>Bioorganic and Medicinal Chemistry Letters</i> , <b>2019</b> , 29, 12668-12671	2.9	2
12	Targeting Nitric Oxide Production in Microglia with Novel Imidazodiazepines for Nonsedative Pain Treatment. <i>ACS Chemical Neuroscience</i> , <b>2020</b> , 11, 2019-2030	5.7	2
11	The Effects of pH on the Structure and Bioavailability of Imidazobenzodiazepine-3-Carboxylate MIDD0301. <i>Molecular Pharmaceutics</i> , <b>2020</b> , 17, 1182-1192	5.6	2
10	A New Pharmacological Approach for Asthma through Tissue-Specific Modulation of the GABA(A) Receptor. <i>Journal of Allergy and Clinical Immunology</i> , <b>2016</b> , 137, AB393	11.5	2
9	Design, synthesis and characterization of novel gamma-aminobutyric acid type A receptor ligands. <i>Arkivoc</i> , <b>2020</b> , 2020, 242-256	0.9	2
8	Modulating Vitamin D Receptor-Coregulator Binding With Small Molecules <b>2018</b> , 657-666		1

7	Nebulized MIDD0301 Reduces Airway Hyperresponsiveness in Moderate and Severe Murine Asthma Models. <i>ACS Pharmacology and Translational Science</i> , <b>2020</b> , 3, 1381-1390	5.9	1
6	Targeting Vitamin-D receptor (VDR) by a small molecule antagonist MeTC7 inhibits PD-L1 but controls THMYCN neuroblastoma growth PD-L1 independently		1
5	Synthesis and biological evaluation of calcioic acid. <i>Steroids</i> , <b>2020</b> , 154, 108536	2.8	1
4	Biological evaluation and synthesis of calcitroic acid. <i>Bioorganic Chemistry</i> , <b>2021</b> , 116, 105310	5.1	1
3	Development of Inhaled GABA Receptor Modulators to Improve Airway Function in Bronchoconstrictive Disorders.. <i>ACS Pharmacology and Translational Science</i> , <b>2022</b> , 5, 80-88	5.9	0
2	Assessment of Phenylboronic Acid Nitrogen Mustards as Potent and Selective Drug Candidates for Triple-Negative Breast Cancer. <i>ACS Pharmacology and Translational Science</i> , <b>2021</b> , 4, 687-702	5.9	0
1	Strategies for the Design of Vitamin D Receptor Ligands <b>2021</b> , 199-217		