

Leggy A Arnold

List of Publications by Year in descending order

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102
papers

4,090
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136885

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116
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docs citations

116
times ranked

3877
citing authors

#	ARTICLE	IF	CITATIONS
1	Highly Enantioselective Catalytic Conjugate Addition and Tandem Conjugate Addition—Aldol Reactions of Organozinc Reagents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 2620-2623.	4.4	436
2	Enantioselective Catalytic Conjugate Addition of Dialkylzinc Reagents using Copper—Phosphoramidite Complexes; Ligand Variation and Non-linear Effects. <i>Tetrahedron</i> , 2000, 56, 2865-2878.	1.0	292
3	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> , 2007, 104, 16074-16079.	3.3	269
4	Identification and Characterization of the First Small Molecule Inhibitor of MDMX. <i>Journal of Biological Chemistry</i> , 2010, 285, 10786-10796.	1.6	171
5	Catalytic Enantioselective Annulations via 1,4-Addition—Aldol Cyclization of Functionalized Organozinc Reagents. <i>Journal of the American Chemical Society</i> , 1999, 121, 1104-1105.	6.6	154
6	Copper Phosphoramidite Catalyzed Enantioselective Ring-Opening of Oxabicyclic Alkenes:—Remarkable Reversal of Stereocontrol. <i>Organic Letters</i> , 2002, 4, 2703-2705.	2.4	133
7	Enantioselective Copper-Catalyzed Allylic Alkylation with Dialkylzincs Using Phosphoramidite Ligands. <i>Organic Letters</i> , 2001, 3, 1169-1171.	2.4	121
8	Catalytic Enantioselective Synthesis of Prostaglandin E1 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> , 2001, 123, 5841-5842.	6.6	112
9	An Integrated In—Vitro and In—Vivo High-Throughput Screen Identifies Treatment Leads for Ependymoma. <i>Cancer Cell</i> , 2011, 20, 384-399.	7.7	105
10	Catalytic Enantioselective Synthesis of (—)-Prostaglandin E1 Methyl Ester Based on a Tandem 1,4-Addition—Aldol Reaction. <i>Journal of Organic Chemistry</i> , 2002, 67, 7244-7254.	1.7	97
11	Hoehenantioselektive katalytische 1,4—Addition und kombinierte 1,4—Addition/Aldolreaktion von Organozinkreagentien an Enone. <i>Angewandte Chemie</i> , 1997, 109, 2733-2736.	1.6	96
12	Discovery of Small Molecule Inhibitors of the Interaction of the Thyroid Hormone Receptor with Transcriptional Coregulators. <i>Journal of Biological Chemistry</i> , 2005, 280, 43048-43055.	1.6	96
13	Synthesis of Medium Ring Heterocycles Using an Intramolecular Heck Reaction. <i>Organic Letters</i> , 2004, 6, 3005-3007.	2.4	89
14	Highly Enantioselective Copper-Phosphoramidite Catalyzed Kinetic Resolution of Chiral 2-Cyclohexenones. <i>Angewandte Chemie - International Edition</i> , 2001, 40, 927-930.	7.2	85
15	Inhibition of a viral enzyme by a small-molecule dimer disruptor. <i>Nature Chemical Biology</i> , 2009, 5, 640-646.	3.9	77
16	Highly Enantioselective Copper-Catalyzed Allylic Alkylation with Phosphoramidite Ligands. <i>Advanced Synthesis and Catalysis</i> , 2004, 346, 413-420.	2.1	75
17	Quantification of the Vitamin D Receptor—Coregulator Interaction. <i>Biochemistry</i> , 2009, 48, 1454-1461.	1.2	62
18	Catalytic enantioselective carbon—carbon bond formation by addition of dialkylzinc reagents to cyclic 1,3-diene monoepoxides. <i>Tetrahedron Letters</i> , 1998, 39, 7795-7798.	0.7	57

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19	Structural Insight into the Mode of Action of a Direct Inhibitor of Coregulator Binding to the Thyroid Hormone Receptor. <i>Molecular Endocrinology</i> , 2007, 21, 2919-2928.	3.7	57
20	Novel Benzodiazepine-Like Ligands with Various Anxiolytic, Antidepressant, or Pro-Cognitive Profiles. <i>Molecular Neuropsychiatry</i> , 2019, 5, 84-97.	3.0	54
21	A new diastereo- and enantioselective copper-catalyzed conversion of alkynyl epoxides into $\hat{1}\pm$ -allenic alcohols. <i>Tetrahedron Letters</i> , 1999, 40, 4893-4896.	0.7	51
22	Copper-catalyzed Enantioselective Conjugate Addition Reactions of Organozinc Reagents. , 0, , 224-258.		51
23	Improvement of Pharmacological Properties of Irreversible Thyroid Receptor Coactivator Binding Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2009, 52, 3892-3901.	2.9	51
24	Identification and analysis of hepatitis C virus NS3 helicase inhibitors using nucleic acid binding assays. <i>Nucleic Acids Research</i> , 2012, 40, 8607-8621.	6.5	51
25	New bidentate chiral phosphoramidites in copper-catalyzed asymmetric 1,4-addition of diethylzinc to cyclic $\hat{1}\pm, \hat{1}^2$ -enones: enantioselective tandem 1,4-addition-aldol reactions with 2-cyclopentenone. <i>Tetrahedron: Asymmetry</i> , 2001, 12, 1929-1937.	1.8	45
26	Discovery of the First Irreversible Small Molecule Inhibitors of the Interaction between the Vitamin D Receptor and Coactivators. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 4640-4651.	2.9	43
27	Synthesis and Characterization of a Novel $\hat{1}^3$ -Aminobutyric Acid Type A (GABA _A) Receptor Ligand That Combines Outstanding Metabolic Stability, Pharmacokinetics, and Anxiolytic Efficacy. <i>Journal of Medicinal Chemistry</i> , 2016, 59, 10800-10806.	2.9	43
28	Inhibitors of the Interaction of a Thyroid Hormone Receptor and Coactivators: $\hat{1}\pm$ Preliminary Structure-Activity Relationships. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5269-5280.	2.9	41
29	Enantioselective synthesis of bicyclic compounds via catalytic 1,4-addition-ring closing metathesis. <i>Chemical Communications</i> , 2001, , 735-736.	2.2	40
30	Design and Synthesis of Novel Deuterated Ligands Functionally Selective for the $\hat{1}^3$ -Aminobutyric Acid Type A Receptor (GABA _A) $\hat{1}^6$ Subtype with Improved Metabolic Stability and Enhanced Bioavailability. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2422-2446.	2.9	40
31	Discovery and Optimization of Novel Hydrogen Peroxide Activated Aromatic Nitrogen Mustard Derivatives as Highly Potent Anticancer Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9132-9145.	2.9	39
32	A Review of the Updated Pharmacophore for the Alpha 5 GABA(A) Benzodiazepine Receptor Model. <i>International Journal of Medicinal Chemistry</i> , 2015, 2015, 1-54.	2.2	37
33	A New Catalytic and Enantioselective Desymmetrization of Symmetrical Methylidene Cycloalkene Oxides. <i>Organic Letters</i> , 2000, 2, 933-936.	2.4	36
34	Identification of a novel, fast-acting GABAergic antidepressant. <i>Molecular Psychiatry</i> , 2018, 23, 384-391.	4.1	36
35	A Novel Orally Available Asthma Drug Candidate That Reduces Smooth Muscle Constriction and Inflammation by Targeting GABA _A Receptors in the Lung. <i>Molecular Pharmaceutics</i> , 2018, 15, 1766-1777.	2.3	33
36	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> , 2011, 286, 11895-11908.	1.6	30

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37	Calcitroic Acidâ€™A Review. ACS Chemical Biology, 2016, 11, 2665-2672.	1.6	28
38	A High-Throughput Screening Method to Identify Small Molecule Inhibitors of Thyroid Hormone Receptor Coactivator Binding. Science Signaling, 2006, 2006, pl3-pl3.	1.6	27
39	A fluorescence-based high throughput assay for the determination of small moleculeâ€™human serum albumin protein binding. Analytical and Bioanalytical Chemistry, 2014, 406, 1867-1875.	1.9	27
40	Development of GABA_A Receptor Subtype-Selective Imidazobenzodiazepines as Novel Asthma Treatments. Molecular Pharmaceutics, 2016, 13, 2026-2038.	2.3	27
41	Hydrogen peroxide activated quinone methide precursors with enhanced DNA cross-linking capability and cytotoxicity towards cancer cells. European Journal of Medicinal Chemistry, 2017, 133, 197-207.	2.6	27
42	Alleviation of Multiple Asthmatic Pathologic Features with Orally Available and Subtype Selective GABA_A Receptor Modulators. Molecular Pharmaceutics, 2017, 14, 2088-2098.	2.3	26
43	Peroxisome Proliferation-Activated Receptor Î´ Agonist GW0742 Interacts Weakly with Multiple Nuclear Receptors, Including the Vitamin D Receptor. Biochemistry, 2013, 52, 4193-4203.	1.2	25
44	High-Throughput Identification of Promiscuous Inhibitors from Screening Libraries with the Use of a Thiol-Containing Fluorescent Probe. Journal of Biomolecular Screening, 2013, 18, 705-713.	2.6	24
45	Development of Novel Vitamin D Receptorâ€™Coactivator Inhibitors. ACS Medicinal Chemistry Letters, 2014, 5, 199-204.	1.3	24
46	Pharmacological and antihyperalgesic properties of the novel Î±2/3 preferring GABA A receptor ligand MP-III-024. Brain Research Bulletin, 2017, 131, 62-69.	1.4	23
47	Further evaluation of the potential anxiolytic activity of imidazo[1,5- a][1,4]diazepin agents selective for Î±2/3-containing GABA A receptors. Pharmacology Biochemistry and Behavior, 2017, 157, 35-40.	1.3	23
48	Differential regulation of epidermal function by VDR coactivators. Journal of Steroid Biochemistry and Molecular Biology, 2010, 121, 308-313.	1.2	22
49	Novel Flufenamic Acid Analogues as Inhibitors of Androgen Receptor Mediated Transcription. ACS Chemical Biology, 2009, 4, 834-843.	1.6	21
50	A High-Throughput Ligand Competition Binding Assay for the Androgen Receptor and Other Nuclear Receptors. Journal of Biomolecular Screening, 2009, 14, 43-48.	2.6	21
51	Interaction between the androgen receptor and a segment of its corepressor SHP. Acta Crystallographica Section D: Biological Crystallography, 2007, 63, 1198-1200.	2.5	20
52	Anticancer activity of VDR-coregulator inhibitor PS121912. Cancer Chemotherapy and Pharmacology, 2014, 74, 787-798.	1.1	19
53	Clo1 inhibitors for neuropsychiatric and anti-epileptic drug development. Biochemical Society Transactions, 2014, 42, 461-467.	1.6	19
54	Synthesis of highly substituted dibenzo[b,f]azocines and their evaluation as protein kinase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 5360-5363.	1.0	17

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55	Optimization of substituted imidazobenzodiazepines as novel asthma treatments. <i>European Journal of Medicinal Chemistry</i> , 2017, 126, 550-560.	2.6	17
56	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> , 2012, 7, e344443.	1.1	16
57	A Quantitative High-Throughput Screen Identifies Novel Inhibitors of the Interaction of Thyroid Receptor β^2 with a Peptide of Steroid Receptor Coactivator 2. <i>Journal of Biomolecular Screening</i> , 2011, 16, 618-627.	2.6	15
58	Synthesis of chiral GABAA receptor subtype selective ligands as potential agents to treat schizophrenia as well as depression. <i>Arkivoc</i> , 2018, 2018, 158-182.	0.3	15
59	A novel GABA _A receptor ligand MIDD0301 with limited blood-brain barrier penetration relaxes airway smooth muscle <i>ex vivo</i> and <i>in vivo</i> . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L385-L390.	1.3	15
60	Synthesis and evaluation of vitamin D receptor-mediated activities of cholesterol and vitamin D metabolites. <i>European Journal of Medicinal Chemistry</i> , 2016, 109, 238-246.	2.6	14
61	Alternative binding sites at the vitamin D receptor and their ligands. <i>Molecular and Cellular Endocrinology</i> , 2019, 485, 1-8.	1.6	14
62	Similarities and Differences between Two Modes of Antagonism of the Thyroid Hormone Receptor. <i>ACS Chemical Biology</i> , 2011, 6, 1096-1106.	1.6	13
63	Genetic and pharmacological manipulation of <i>glyoxalase 1</i> regulates voluntary ethanol consumption in mice. <i>Addiction Biology</i> , 2017, 22, 381-389.	1.4	13
64	Characterization of GABA A receptor ligands with automated patch-clamp using human neurons derived from pluripotent stem cells. <i>Journal of Pharmacological and Toxicological Methods</i> , 2016, 82, 109-114.	0.3	12
65	Identification of VDR Antagonists among Nuclear Receptor Ligands Using Virtual Screening. <i>Nuclear Receptor Research</i> , 2014, 1, .	2.5	12
66	Evaluation of the first Ergocalciferol-derived, non hypercalcemic anti-cancer agent MT19c in ovarian cancer SKOV-3 cell lines. <i>Gynecologic Oncology</i> , 2011, 123, 370-378.	0.6	11
67	PT19c, Another Nonhypercalcemic Vitamin D2 Derivative, Demonstrates Antitumor Efficacy in Epithelial Ovarian and Endometrial Cancer Models. <i>Genes and Cancer</i> , 2013, 4, 524-534.	0.6	11
68	MIDD0301 – A first-in-class anti-inflammatory asthma drug targets GABA _A receptors without causing systemic immune suppression. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2019, 125, 75-84.	1.2	10
69	Design and Evaluation of Heterobivalent PAR1/2 Ligands as Antagonists of Calcium Mobilization. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 121-126.	1.3	10
70	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> , 2019, 27, 3788-3796.	1.4	9
71	Improved Scale-up Synthesis and Purification of Clinical Asthma Candidate MIDD0301. <i>Organic Process Research and Development</i> , 2020, 24, 1467-1476.	1.3	9
72	Novel VDR antagonists based on the GW0742 scaffold. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 351-354.	1.0	8

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73	Synthesis and characterization of BODIPY-labeled colchicine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 5867-5870.	1.0	7
74	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> , 2012, 10, 325-335.	0.6	7
75	Inhibitors for the Vitamin D Receptor–Coregulator Interaction. <i>Vitamins and Hormones</i> , 2016, 100, 45-82.	0.7	7
76	A Structure-Activity Relationship Comparison of Imidazodiazepines Binding at Kappa, Mu, and Delta Opioid Receptors and the GABA _A Receptor. <i>Molecules</i> , 2020, 25, 3864.	1.7	7
77	Antitumor Activity of 3-Indolylmethanamines 31B and PS121912. <i>Anticancer Research</i> , 2015, 35, 6001-7.	0.5	7
78	Assessment of Phenylboronic Acid Nitrogen Mustards as Potent and Selective Drug Candidates for Triple-Negative Breast Cancer. <i>ACS Pharmacology and Translational Science</i> , 2021, 4, 687-702.	2.5	6
79	Nebulized MIDD0301 Reduces Airway Hyperresponsiveness in Moderate and Severe Murine Asthma Models. <i>ACS Pharmacology and Translational Science</i> , 2020, 3, 1381-1390.	2.5	6
80	Development of Inhaled GABA _A Receptor Modulators to Improve Airway Function in Bronchoconstrictive Disorders. <i>ACS Pharmacology and Translational Science</i> , 2022, 5, 80-88.	2.5	6
81	A New Pharmacological Approach for Asthma through Tissue-Specific Modulation of the GABA(A) Receptor. <i>Journal of Allergy and Clinical Immunology</i> , 2016, 137, AB393.	1.5	5
82	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> , 2019, 29, 126681.	1.0	5
83	The Effects of pH on the Structure and Bioavailability of Imidazobenzodiazepine-3-Carboxylate MIDD0301. <i>Molecular Pharmaceutics</i> , 2020, 17, 1182-1192.	2.3	5
84	Targeting Nitric Oxide Production in Microglia with Novel Imidazodiazepines for Nonsedative Pain Treatment. <i>ACS Chemical Neuroscience</i> , 2020, 11, 2019-2030.	1.7	5
85	Design, synthesis and characterization of novel gamma-aminobutyric acid type A receptor ligands. <i>Arkivoc</i> , 2021, 2020, 242-256.	0.3	5
86	Biological evaluation and synthesis of calcitroic acid. <i>Bioorganic Chemistry</i> , 2021, 116, 105310.	2.0	5
87	A high-throughput screening assay for pyruvate carboxylase. <i>Analytical Biochemistry</i> , 2018, 550, 90-98.	1.1	4
88	Ligand Competition Binding Assay for the Androgen Receptor. <i>Methods in Molecular Biology</i> , 2011, 776, 59-68.	0.4	4
89	Development of a Novel, Small-Molecule Brain-Penetrant Histone Deacetylase Inhibitor That Enhances Spatial Memory Formation in Mice. <i>Journal of Medicinal Chemistry</i> , 2022, .	2.9	4
90	Metabolism, pharmacokinetics, and anticonvulsant activity of a deuterated analog of the δ -selective GABA _A KRM-181. <i>Biopharmaceutics and Drug Disposition</i> , 2022, 43, 66-75.	1.1	4

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91	Oral and Inhaled Fosamprenavir Reverses Pepsin-Induced Damage in a Laryngopharyngeal Reflux Mouse Model. <i>Laryngoscope</i> , 2023, 133, .	1.1	4
92	Parallel Chemistry Approach to Identify Novel Nuclear Receptor Ligands Based on the GW0742 Scaffold. <i>ACS Combinatorial Science</i> , 2017, 19, 646-656.	3.8	3
93	Synthesis and biological evaluation of calcioic acid. <i>Steroids</i> , 2020, 154, 108536.	0.8	3
94	Modulation of Transcription Mediated by the Vitamin D Receptor and the Peroxisome Proliferator-Activated Receptor γ in the Presence of GW0742 Analogs. <i>Journal of Biomolecular Research & Therapeutics</i> , 2014, 03, .	0.2	3
95	Identification of a Vitamin-D Receptor Antagonist, MeTC7, which Inhibits the Growth of Xenograft and Transgenic Tumors <i>In Vivo</i> . <i>Journal of Medicinal Chemistry</i> , 2022, 65, 6039-6055.	2.9	3
96	New Oral Treatments for Asthma through Tissue-Specific Modulation of the GABAA Receptor. <i>Journal of Allergy and Clinical Immunology</i> , 2017, 139, AB9.	1.5	2
97	Identification and Quantification of MIDD0301 Metabolites. <i>Current Drug Metabolism</i> , 2021, 22, 1114-1123.	0.7	2
98	Modulating Vitamin D Receptor- α Coregulator Binding With Small Molecules. , 2018, , 657-666.		1
99	Comparative pharmacodynamic and pharmacokinetic study of MIDD0301 and its (S) enantiomer. <i>Drug Development Research</i> , 2022, , .	1.4	1
100	Synthesis of Medium Ring Heterocycles Using an Intramolecular Heck Reaction.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
101	Strategies for the Design of Vitamin D Receptor Ligands. , 2021, , 199-217.		0
102	Abstract 5389: Discovery of small molecule inhibitors of the interaction between PPAR γ and SMRT. , 2014, , .		0