

Dennis C Liotta

List of Publications by Citations

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96
papers

2,309
citations

26
h-index

44
g-index

235
ext. papers

2,675
ext. citations

6.7
avg, IF

4.8
L-index

#	Paper	IF	Citations
96	Chemical synthesis and biological evaluation of cis- and trans-12,13-cyclopropyl and 12,13-cyclobutyl epothilones and related pyridine side chain analogues. <i>Journal of the American Chemical Society</i> , 2001 , 123, 9313-23	16.4	188
95	A subunit-selective potentiator of NR2C- and NR2D-containing NMDA receptors. <i>Nature Communications</i> , 2010 , 1, 90	17.4	121
94	Total synthesis of SR 121463 A, a highly potent and selective vasopressin v(2) receptor antagonist. <i>Journal of Organic Chemistry</i> , 2001 , 66, 3653-61	4.2	120
93	Discovery of small molecule CXCR4 antagonists. <i>Journal of Medicinal Chemistry</i> , 2007 , 50, 5655-64	8.3	96
92	Mechanism for noncompetitive inhibition by novel GluN2C/D N-methyl-D-aspartate receptor subunit-selective modulators. <i>Molecular Pharmacology</i> , 2011 , 80, 782-95	4.3	76
91	Quinazolin-4-one derivatives: A novel class of noncompetitive NR2C/D subunit-selective N-methyl-D-aspartate receptor antagonists. <i>Journal of Medicinal Chemistry</i> , 2010 , 53, 5476-90	8.3	76
90	The oxetane ring in taxol. <i>Journal of Organic Chemistry</i> , 2000 , 65, 1059-68	4.2	72
89	Suppression of aberrant colonic crypt foci by synthetic sphingomyelins with saturated or unsaturated sphingoid base backbones. <i>Nutrition and Cancer</i> , 1997 , 28, 81-5	2.8	68
88	Novel NMDA receptor modulators: an update. <i>Expert Opinion on Therapeutic Patents</i> , 2012 , 22, 1337-52	6.8	62
87	Monocarbonyl analogs of curcumin inhibit growth of antibiotic sensitive and resistant strains of <i>Mycobacterium tuberculosis</i> . <i>European Journal of Medicinal Chemistry</i> , 2015 , 92, 693-9	6.8	55
86	Structural determinants and mechanism of action of a GluN2C-selective NMDA receptor positive allosteric modulator. <i>Molecular Pharmacology</i> , 2014 , 86, 548-60	4.3	55
85	GluN2D-Containing N-methyl-d-Aspartate Receptors Mediate Synaptic Transmission in Hippocampal Interneurons and Regulate Interneuron Activity. <i>Molecular Pharmacology</i> , 2016 , 90, 689-702	4.3	53
84	Discovery of tetrahydroisoquinoline-based CXCR4 antagonists. <i>ACS Medicinal Chemistry Letters</i> , 2013 , 4, 1025-30	4.3	46
83	Context-dependent GluN2B-selective inhibitors of NMDA receptor function are neuroprotective with minimal side effects. <i>Neuron</i> , 2015 , 85, 1305-1318	13.9	44
82	Synthesis and structure activity relationship of tetrahydroisoquinoline-based potentiators of GluN2C and GluN2D containing N-methyl-D-aspartate receptors. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 5351-81	8.3	42
81	Structure-activity relationships and pharmacophore model of a noncompetitive pyrazoline containing class of GluN2C/GluN2D selective antagonists. <i>Journal of Medicinal Chemistry</i> , 2013 , 56, 6434-56	8.3	39
80	Autophagy and apoptosis in hepatocellular carcinoma induced by EF25-(GSH) ₂ : a novel curcumin analog. <i>PLoS ONE</i> , 2014 , 9, e107876	3.7	37

79	Design, synthesis, and structure-activity relationship of a novel series of GluN2C-selective potentiators. <i>Journal of Medicinal Chemistry</i> , 2014 , 57, 2334-56	8.3	36
78	Pyrazolo-Piperidines Exhibit Dual Inhibition of CCR5/CXCR4 HIV Entry and Reverse Transcriptase. <i>ACS Medicinal Chemistry Letters</i> , 2015 , 6, 753-7	4.3	34
77	A Novel Negative Allosteric Modulator Selective for GluN2C/2D-Containing NMDA Receptors Inhibits Synaptic Transmission in Hippocampal Interneurons. <i>ACS Chemical Neuroscience</i> , 2018 , 9, 306-315	5.7	30
76	Novel Cyclopropyl-Indole Derivatives as HIV Non-Nucleoside Reverse Transcriptase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 470-5	4.3	30
75	Synthesis, structural activity-relationships, and biological evaluation of novel amide-based allosteric binding site antagonists in NR1A/NR2B N-methyl-D-aspartate receptors. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 6463-80	3.4	30
74	NMDA receptor modulators: an updated patent review (2013-2014). <i>Expert Opinion on Therapeutic Patents</i> , 2014 , 24, 1349-66	6.8	29
73	Recent patents regarding the discovery of small molecule CXCR4 antagonists. <i>Expert Opinion on Therapeutic Patents</i> , 2009 , 19, 23-38	6.8	29
72	Recent advances in the development of HBV capsid assembly modulators. <i>Current Opinion in Chemical Biology</i> , 2019 , 50, 73-79	9.7	26
71	A General Synthesis of 2-Phenylselenenylones. The Reaction of Unsaturated Ketones with a Phenylselenenyl Chloride/Pyridine Complex. <i>Synthetic Communications</i> , 1979 , 9, 697-703	1.7	26
70	CCR5 receptor antagonists in preclinical to phase II clinical development for treatment of HIV. <i>Expert Opinion on Investigational Drugs</i> , 2016 , 25, 1377-1392	5.9	24
69	A structurally derived model of subunit-dependent NMDA receptor function. <i>Journal of Physiology</i> , 2018 , 596, 4057-4089	3.9	23
68	Novel synthesis and biological evaluation of enigmols as therapeutic agents for treating prostate cancer. <i>ACS Medicinal Chemistry Letters</i> , 2011 , 2, 438-43	4.3	23
67	Structural elements of a pH-sensitive inhibitor binding site in NMDA receptors. <i>Nature Communications</i> , 2019 , 10, 321	17.4	21
66	An NMDAR positive and negative allosteric modulator series share a binding site and are interconverted by methyl groups. <i>ELife</i> , 2018 , 7,	8.9	20
65	Anti-HIV small-molecule binding in the peptide subpocket of the CXCR4:CVX15 crystal structure. <i>ChemBioChem</i> , 2014 , 15, 1614-20	3.8	20
64	Discovery and Development of the Anti-Human Immunodeficiency Virus Drug, Emtricitabine (Emtriva, FTC). <i>Accounts of Chemical Research</i> , 2016 , 49, 2091-2098	24.3	18
63	Discovery of novel N-aryl piperazine CXCR4 antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 4950-4955	2.9	17
62	Small molecule and peptide-based CXCR4 modulators as therapeutic agents. A patent review for the period from 2010 to 2018. <i>Expert Opinion on Therapeutic Patents</i> , 2020 , 30, 87-101	6.8	17

61	Discovery of Tetrahydroisoquinoline-Containing CXCR4 Antagonists with Improved in Vitro ADMET Properties. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 946-979	8.3	16
60	Triene Cyclizations. The Total Synthesis of Pallescensin A. <i>Synthetic Communications</i> , 1987 , 17, 1655-1665.	7	15
59	The Structure-Activity Relationship of a Tetrahydroisoquinoline Class of N-Methyl-d-Aspartate Receptor Modulators that Potentiates GluN2B-Containing N-Methyl-d-Aspartate Receptors. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 5556-5585	8.3	14
58	Biased modulators of NMDA receptors control channel opening and ion selectivity. <i>Nature Chemical Biology</i> , 2020 , 16, 188-196	11.7	14
57	The Bioactive Protein-Ligand Conformation of GluN2C-Selective Positive Allosteric Modulators Bound to the NMDA Receptor. <i>Molecular Pharmacology</i> , 2018 , 93, 141-156	4.3	14
56	Discovery of a Fluorinated Enigmol Analog with Enhanced in Vivo Pharmacokinetic and Anti-Tumor Properties. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 537-42	4.3	14
55	Design, Synthesis, and Pharmacological Evaluation of Second-Generation Tetrahydroisoquinoline-Based CXCR4 Antagonists with Favorable ADME Properties. <i>Journal of Medicinal Chemistry</i> , 2018 , 61, 7168-7188	8.3	14
54	A novel class of negative allosteric modulators of NMDA receptor function. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015 , 25, 5583-8	2.9	12
53	Synthesis of Novel Tetrahydroisoquinoline CXCR4 Antagonists with Rigidified Side-Chains. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 89-93	4.3	12
52	The GluN2B-Glu413Gly NMDA receptor variant arising from a de novo GRIN2B mutation promotes ligand-unbinding and domain opening. <i>Proteins: Structure, Function and Bioinformatics</i> , 2018 , 86, 1265-1276	4.2	11
51	Reduction Sensitive Lipid Conjugates of Tenofovir: Synthesis, Stability, and Antiviral Activity. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 7097-110	8.3	10
50	Amyloid Structure: Models and Theoretical Considerations in Fibrous Aggregates. <i>Journal of the Chinese Chemical Society</i> , 2002 , 49, 459-466	1.5	10
49	Comparison of collisional activation spectra of some positive ions produced both by charge reversal of negative ions and by decomposition of positive ions. <i>Organic Mass Spectrometry</i> , 1982 , 17, 607-611		10
48	NMDA receptor channel gating control by the pre-M1 helix. <i>Journal of General Physiology</i> , 2020 , 152,	3.4	10
47	In Vitro Metabolic Stability and in Vivo Biodistribution of 3-Methyl-4-furoxancarbaldehyde Using PET Imaging in Rats. <i>ACS Medicinal Chemistry Letters</i> , 2016 , 7, 563-7	4.3	10
46	Chloride is an Agonist of Group II and III Metabotropic Glutamate Receptors. <i>Molecular Pharmacology</i> , 2015 , 88, 450-9	4.3	9
45	Structural analysis of CXCR4 - Antagonist interactions using saturation-transfer double-difference NMR. <i>Biochemical and Biophysical Research Communications</i> , 2015 , 466, 28-32	3.4	9
44	A General Synthetic Method of 5-Carboranyluracil Nucleosides with Potential Antiviral Activity and use in Neutron Capture Therapy. <i>Nucleosides & Nucleotides</i> , 1997 , 16, 2133-2150		9

43	Synthesis and SAR of 1,2,3,4-Tetrahydroisoquinoline-Based CXCR4 Antagonists. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 17-22	4.3	9
42	Negative allosteric modulation of GluN1/GluN3 NMDA receptors. <i>Neuropharmacology</i> , 2020 , 176, 108113-5	3.5	8
41	Evaluating the neurotherapeutic potential of a water-soluble progesterone analog after traumatic brain injury in rats. <i>Neuropharmacology</i> , 2016 , 109, 148-158	5.5	8
40	A Machine Learning Approach for Predicting HIV Reverse Transcriptase Mutation Susceptibility of Biologically Active Compounds. <i>Journal of Chemical Information and Modeling</i> , 2018 , 58, 1544-1552	6.1	8
39	Tumor angiogenesis therapy using targeted delivery of Paclitaxel to the vasculature of breast cancer metastases. <i>Journal of Drug Delivery</i> , 2014 , 2014, 865732	2.3	8
38	Identification of Non-Nucleoside Inhibitors of the Respiratory Syncytial Virus Polymerase Complex. <i>Journal of Medicinal Chemistry</i> , 2017 , 60, 2305-2325	8.3	7
37	Aryl Substituted Benzimidazolones as Potent HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 196-202	4.3	7
36	Discovery of -Alkyl Piperazine Side Chain Based CXCR4 Antagonists with Improved Drug-like Properties. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 446-451	4.3	7
35	Next-Generation Reduction Sensitive Lipid Conjugates of Tenofovir: Antiviral Activity and Mechanism of Release. <i>Journal of Medicinal Chemistry</i> , 2016 , 59, 10244-10252	8.3	7
34	Water-soluble progesterone analogues are effective, injectable treatments in animal models of traumatic brain injury. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 362-6	4.3	7
33	Sphingolipid analogues inhibit development of malaria parasites. <i>ACS Medicinal Chemistry Letters</i> , 2012 , 3, 43-7	4.3	6
32	Emergence of small-molecule CXCR4 antagonists as novel immune and hematopoietic system regulatory agents. <i>Drug Development Research</i> , 2011 , 72, 598-602	5.1	6
31	Synthesis of enantiomerically pure D-FDOC, an anti-HIV agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2004 , 14, 4991-4	2.9	6
30	Discovery of Dihydropyrrolo[1,2-]pyrazin-3(4)-one-Based Second-Generation GluN2C- and GluN2D-Selective Positive Allosteric Modulators (PAMs) of the -Methyl-d-Aspartate (NMDA) Receptor. <i>Journal of Medicinal Chemistry</i> , 2020 , 63, 7569-7600	8.3	5
29	Small molecule CXCR4 antagonists block the HIV-1 Nef/CXCR4 axis and selectively initiate the apoptotic program in breast cancer cells. <i>Oncotarget</i> , 2018 , 9, 16996-17013	3.3	5
28	Development of a novel progesterone analog in the treatment of traumatic brain injury. <i>Neuropharmacology</i> , 2019 , 145, 292-298	5.5	5
27	Accelerated Discovery of Potent Fusion Inhibitors for Respiratory Syncytial Virus. <i>ACS Infectious Diseases</i> , 2020 , 6, 922-929	5.5	4
26	One-pot transformation of esters to analytically pure ketones: methodology and application in process development. <i>Tetrahedron Letters</i> , 2015 , 56, 3005-3007	2	3

25	Reactions involving selenium metal as an electrophile: Scope and limitations of the enolate-selenolate transformation. <i>Heteroatom Chemistry</i> , 1990 , 1, 141-149	1.2	3
24	Tetrahydroisoquinoline CXCR4 Antagonists Adopt a Hybrid Binding Mode within the Peptide Subpocket of the CXCR4 Receptor. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 67-73	4.3	3
23	Distinct GluN1 and GluN2 Structural Determinants for Subunit-Selective Positive Allosteric Modulation of α -Methyl-d-aspartate Receptors. <i>ACS Chemical Neuroscience</i> , 2021 , 12, 79-98	5.7	3
22	Accelerated Discovery of Novel Ponatinib Analogs with Improved Properties for the Treatment of Parkinson's Disease. <i>ACS Medicinal Chemistry Letters</i> , 2020 , 11, 491-496	4.3	2
21	Academic Drug Development: The DRIVE Model. <i>ACS Medicinal Chemistry Letters</i> , 2018 , 9, 403-407	4.3	2
20	Synthesis and biological evaluation of 5TC-methyl nucleotide prodrugs for treating HCV infections. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020 , 30, 127539	2.9	2
19	Synthesis and Antiviral Activity of a Series of 2'-Methyl-4'-thionucleoside Monophosphate Prodrugs. <i>Molecules</i> , 2020 , 25,	4.8	2
18	β -Functionalized Lipid Prodrugs of HIV NtRTI Tenofovir with Enhanced Pharmacokinetic Properties. <i>Journal of Medicinal Chemistry</i> , 2021 , 64, 12917-12937	8.3	2
17	A Glutamate α -Methyl-d-Aspartate (NMDA) Receptor Subunit 2B-Selective Inhibitor of NMDA Receptor Function with Enhanced Potency at Acidic pH and Oral Bioavailability for Clinical Use. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2021 , 379, 41-52	4.7	2
16	Amino-Heterocycle Tetrahydroisoquinoline CXCR4 Antagonists with Improved ADME Profiles via Late-Stage Buchwald Couplings. <i>ACS Medicinal Chemistry Letters</i> , 2021 , 12, 1605-1612	4.3	1
15	The Negative Allosteric Modulator EU1794-4 Reduces Single-Channel Conductance and Ca Permeability of GluN1/GluN2A α -Methyl-d-Aspartate Receptors. <i>Molecular Pharmacology</i> , 2021 , 99, 399-417	4.3	1
14	Di-aryl Sulfonamide Motif Adds β -Stacking Bulk in Negative Allosteric Modulators of the NMDA Receptor. <i>ACS Medicinal Chemistry Letters</i> , 2019 , 10, 248-254	4.3	1
13	Group A streptococcus inhibitors by high-throughput virtual screening. <i>European Journal of Medicinal Chemistry</i> , 2014 , 82, 120-6	6.8	0
12	Synthesis and Evaluation of Novel Tetrahydronaphthyridine CXCR4 Antagonists with Improved Drug-like Profiles. <i>Journal of Medicinal Chemistry</i> , 2022 , 65, 4058-4084	8.3	0
11	Confronting Racism in Chemistry Journals. <i>ACS Applied Nano Materials</i> , 2020 , 3, 6131-6133	5.6	
10	Confronting Racism in Chemistry Journals. <i>ACS Applied Polymer Materials</i> , 2020 , 2, 2496-2498	4.3	
9	Confronting Racism in Chemistry Journals. <i>Organometallics</i> , 2020 , 39, 2331-2333	3.8	
8	Update to Our Reader, Reviewer, and Author Communities—April 2020. <i>Energy & Fuels</i> , 2020 , 34, 5107-5108	4.1	

- 7 Update to Our Reader, Reviewer, and Author Communities April 2020. *Organometallics*, **2020**, 39, 1665-1666
- 6 Recent Reviews. 45. *Journal of Organic Chemistry*, **1997**, 62, 4886-4894 4.2
- 5 Recent Reviews. 49. *Journal of Organic Chemistry*, **1998**, 63, 4857-4864 4.2
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- 3 Recent Reviews. 39. *Journal of Organic Chemistry*, **1996**, 61, 418-426 4.2
- 2 Synergistic Anticancer Potential of the Combination of the Novel Curcumin Analog EF24 and p38 MAPK Inhibitors. *FASEB Journal*, **2008**, 22, 1136.16 0.9
- 1 Confronting Racism in Chemistry Journals. *Journal of Chemical Health and Safety*, **2020**, 27, 198-200 1.7