

Stuart J. Conway

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

4,357
citations

136950

32
h-index

110387

64
g-index

114
all docs

114
docs citations

114
times ranked

5992
citing authors

#	ARTICLE	IF	CITATIONS
1	Bcl-2 functionally interacts with inositol 1,4,5-trisphosphate receptors to regulate calcium release from the ER in response to inositol 1,4,5-trisphosphate. <i>Journal of Cell Biology</i> , 2004, 166, 193-203.	5.2	366
2	2-Aminoethoxydiphenyl borate (2-APB) antagonises inositol 1,4,5-trisphosphate-induced calcium release, inhibits calcium pumps and has a use-dependent and slowly reversible action on store-operated calcium entry channels. <i>Cell Calcium</i> , 2003, 34, 97-108.	2.4	248
3	Discovery and Optimization of Small-Molecule Ligands for the CBP/p300 Bromodomains. <i>Journal of the American Chemical Society</i> , 2014, 136, 9308-9319.	13.7	244
4	3,5-Dimethylisoxazoles Act As Acetyl-lysine-mimetic Bromodomain Ligands. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 6761-6770.	6.4	204
5	Progress in the Development and Application of Small Molecule Inhibitors of Bromodomain-Acetyl-lysine Interactions. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 9393-9413.	6.4	160
6	Small Molecule Inhibitors of Bromodomain-Acetyl-lysine Interactions. <i>ACS Chemical Biology</i> , 2015, 10, 22-39.	3.4	156
7	Regulation of InsP3 receptor activity by neuronal Ca ²⁺ -binding proteins. <i>EMBO Journal</i> , 2004, 23, 312-321.	7.8	149
8	The use of phosphate bioisosteres in medicinal chemistry and chemical biology. <i>MedChemComm</i> , 2012, 3, 735.	3.4	140
9	The spatial pattern of atrial cardiomyocyte calcium signalling modulates contraction. <i>Journal of Cell Science</i> , 2004, 117, 6327-6337.	2.0	137
10	Optimization of 3,5-Dimethylisoxazole Derivatives as Potent Bromodomain Ligands. <i>Journal of Medicinal Chemistry</i> , 2013, 56, 3217-3227.	6.4	125
11	NAADP Activates Two-Pore Channels on T Cell Cytolytic Granules to Stimulate Exocytosis and Killing. <i>Current Biology</i> , 2012, 22, 2331-2337.	3.9	121
12	Increased InsP ₃ Rs in the junctional sarcoplasmic reticulum augment Ca ²⁺ transients and arrhythmias associated with cardiac hypertrophy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 11406-11411.	7.1	114
13	Inositol 1,4,5-trisphosphate supports the arrhythmogenic action of endothelin-1 on ventricular cardiac myocytes. <i>Journal of Cell Science</i> , 2006, 119, 3363-3375.	2.0	109
14	Clinical Advances of Hypoxia-Activated Prodrugs in Combination With Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 1183-1196.	0.8	109
15	A Series of Potent CREBBP Bromodomain Ligands Reveals an Induced-Fit Pocket Stabilized by a Cation-π Interaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6126-6130.	13.8	108
16	Engineering transkingdom signalling in plants to control gene expression in rhizosphere bacteria. <i>Nature Communications</i> , 2019, 10, 3430.	12.8	93
17	The Proapoptotic Factors Bax and Bak Regulate T Cell Proliferation through Control of Endoplasmic Reticulum Ca ²⁺ Homeostasis. <i>Immunity</i> , 2007, 27, 268-280.	14.3	92
18	Mechanism of ligand-gated potassium efflux in bacterial pathogens. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 19784-19789.	7.1	73

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19	The consequences of mitochondrial amyloid β -peptide in Alzheimer's disease. <i>Biochemical Journal</i> , 2010, 426, 255-270.	3.7	67
20	Biology-enabling inositol phosphates, phosphatidylinositol phosphates and derivatives. <i>Natural Product Reports</i> , 2007, 24, 687.	10.3	65
21	The design and synthesis of 5- and 6-isoxazolylbenzimidazoles as selective inhibitors of the BET bromodomains. <i>MedChemComm</i> , 2013, 4, 140-144.	3.4	63
22	Design, synthesis and evaluation of molecularly targeted hypoxia-activated prodrugs. <i>Nature Protocols</i> , 2016, 11, 781-794.	12.0	59
23	Distinct Intracellular Calcium Transients in Neurites and Somata Integrate Neuronal Signals. <i>Journal of Neuroscience</i> , 2002, 22, 5344-5353.	3.6	57
24	Purinergic Receptor-Stimulated IP3-Mediated Ca ²⁺ Release Enhances Neuroprotection by Increasing Astrocyte Mitochondrial Metabolism during Aging. <i>Journal of Neuroscience</i> , 2007, 27, 6510-6520.	3.6	56
25	Synthesis and biological evaluation of phosphatidylinositol phosphate affinity probes. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 66-76.	2.8	56
26	CH-01 is a Hypoxia-Activated Prodrug That Sensitizes Cells to Hypoxia/Reoxygenation Through Inhibition of Chk1 and Aurora A. <i>ACS Chemical Biology</i> , 2013, 8, 1451-1459.	3.4	53
27	CYP450 Enzymes Effect Oxygen-Dependent Reduction of Azide-Based Fluorogenic Dyes. <i>ACS Central Science</i> , 2017, 3, 20-30.	11.3	53
28	Pyocyanin degradation by a tautomerizing demethylase inhibits <i>Pseudomonas aeruginosa</i> biofilms. <i>Science</i> , 2017, 355, 170-173.	12.6	53
29	TRPping the switch on pain: an introduction to the chemistry and biology of capsaicin and TRPV1. <i>Chemical Society Reviews</i> , 2008, 37, 1530.	38.1	47
30	Stereo- and regiodefined DNA-encoded chemical libraries enable efficient tumour-targeting applications. <i>Nature Chemistry</i> , 2021, 13, 540-548.	13.6	42
31	Facile one-pot synthesis of 5-substituted hydantoins. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 988.	2.8	41
32	Small molecules as tools to study the chemical epigenetics of lysine acetylation. <i>Current Opinion in Chemical Biology</i> , 2018, 45, 166-178.	6.1	35
33	Mitochondrial β -amyloid in Alzheimer's disease. <i>Biochemical Society Transactions</i> , 2011, 39, 868-873.	3.4	32
34	Wavelength-orthogonal photolysis of neurotransmitters in vitro. <i>Chemical Communications</i> , 2012, 48, 657-659.	4.1	32
35	Chemical Epigenetics: The Impact of Chemical and Chemical Biology Techniques on Bromodomain Target Validation. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 17930-17952.	13.8	31
36	A Single-Stranded DNA-Encoded Chemical Library Based on a Stereoisomeric Scaffold Enables Ligand Discovery by Modular Assembly of Building Blocks. <i>Advanced Science</i> , 2020, 7, 2001970.	11.2	30

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37	Bromodomains: Are Readers Right for Epigenetic Therapy?. ACS Medicinal Chemistry Letters, 2012, 3, 691-694.	2.8	29
38	Phenotypic screening and fragment-based approaches to the discovery of small-molecule bromodomain ligands. Future Medicinal Chemistry, 2014, 6, 179-204.	2.3	29
39	Defective chemoattractant-induced calcium signalling in S100A9 null neutrophils. Cell Calcium, 2007, 41, 107-121.	2.4	28
40	Temporal changes in atrial EC-coupling during prolonged stimulation with endothelin-1. Cell Calcium, 2007, 42, 489-501.	2.4	28
41	Understanding the Structural Requirements for Activators of the Kef Bacterial Potassium Efflux System. Biochemistry, 2014, 53, 1982-1992.	2.5	25
42	Isoxazole-Derived Amino Acids are Bromodomain-Binding Acetyl-Lysine Mimics: Incorporation into Histone H4 Peptides and Histone H3. Angewandte Chemie - International Edition, 2016, 55, 8353-8357.	13.8	25
43	Synthesis of phenylglycine derivatives as potent and selective antagonists of group III metabotropic glutamate receptors. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 777-780.	2.2	24
44	Interaction of the Mechanosensitive Channel, MscS, with the Membrane Bilayer through Lipid Intercalation into Grooves and Pockets. Journal of Molecular Biology, 2019, 431, 3339-3352.	4.2	24
45	Inositol 1,4,5-trisphosphate receptors in the heart. Biological Research, 2004, 37, 553-7.	3.4	24
46	Development of inositol-based antagonists for the α -myo-inositol 1,4,5-trisphosphate receptor. Chemical Communications, 2011, 47, 242-244.	4.1	22
47	Quantitative hopanoid analysis enables robust pattern detection and comparison between laboratories. Geobiology, 2015, 13, 391-407.	2.4	22
48	Production and characterization of reduced NAADP (nicotinic acid-adenine dinucleotide phosphate). Biochemical Journal, 2004, 378, 275-280.	3.7	21
49	Development and pre-clinical testing of a novel hypoxia-activated KDAC inhibitor. Cell Chemical Biology, 2021, 28, 1258-1270.e13.	5.2	21
50	Epigenetics: Novel Therapeutics Targeting Epigenetics. Journal of Medicinal Chemistry, 2015, 58, 523-524.	6.4	20
51	Epigenetics: Novel Therapeutics Targeting Epigenetics. Journal of Medicinal Chemistry, 2016, 59, 1247-1248.	6.4	20
52	In vitro photo-release of a TRPV1 agonist. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 208-212.	2.2	19
53	Efficient synthesis of 2-nitroimidazole derivatives and the bioreductive clinical candidate Evofosfamide (TH-302). Organic Chemistry Frontiers, 2015, 2, 1026-1029.	4.5	19
54	BET bromodomain ligands: Probing the WPF shelf to improve BRD4 bromodomain affinity and metabolic stability. Bioorganic and Medicinal Chemistry, 2018, 26, 2937-2957.	3.0	19

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55	Co-incident signalling between μ -opioid and M3 muscarinic receptors at the level of Ca ²⁺ release from intracellular stores: lack of evidence for Ins(1,4,5)P ₃ receptor sensitization. <i>Biochemical Journal</i> , 2003, 375, 713-720.	3.7	18
56	Synthesis and Biological Action of Novel 4-Position-Modified Derivatives of d-myo-Inositol 1,4,5-Trisphosphate. <i>Journal of Organic Chemistry</i> , 2007, 72, 5647-5659.	3.2	17
57	Controlling Intramolecular Interactions in the Design of Selective, High-Affinity Ligands for the CREBBP Bromodomain. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 10102-10123.	6.4	17
58	(α^+)-CHANA, a Fluorogenic Probe for Detecting Amyloid Binding Alcohol Dehydrogenase HSD10 Activity in Living Cells. <i>ACS Chemical Biology</i> , 2010, 5, 1105-1114.	3.4	16
59	KefF, the Regulatory Subunit of the Potassium Efflux System KefC, Shows Quinone Oxidoreductase Activity. <i>Journal of Bacteriology</i> , 2011, 193, 4925-4932.	2.2	16
60	Selective Fragments for the CREBBP Bromodomain Identified from an Encoded Self-assembly Chemical Library. <i>ChemMedChem</i> , 2020, 15, 1752-1756.	3.2	15
61	Bifunctional Molecules beyond PROTACs. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 2802-2806.	6.4	15
62	The photochemical thiol-ene reaction as a versatile method for the synthesis of glutathione S-conjugates targeting the bacterial potassium efflux system Kef. <i>Organic Chemistry Frontiers</i> , 2016, 3, 439-446.	4.5	14
63	Fragment-Based Identification of Ligands for Bromodomain-Containing Factor 3 of <i>Trypanosoma cruzi</i> . <i>ACS Infectious Diseases</i> , 2021, 7, 2238-2249.	3.8	14
64	Hypoxia-activated pro-drugs of the KDAC inhibitor vorinostat (SAHA). <i>Tetrahedron</i> , 2020, 76, 131170.	1.9	14
65	The Synthesis of Membrane Permeant Derivatives of myo-Inositol 1,4,5-Trisphosphate. <i>Australian Journal of Chemistry</i> , 2006, 59, 887.	0.9	12
66	Synthesis and biological evaluation of a novel cardiolipin affinity matrix. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3691.	2.8	12
67	Hypoxia-Activated, Small-Molecule-Induced Gene Expression. <i>ACS Chemical Biology</i> , 2018, 13, 3354-3360.	3.4	11
68	High-density functional-RNA arrays as a versatile platform for studying RNA-based interactions. <i>Nucleic Acids Research</i> , 2018, 46, e86-e86.	14.5	11
69	A type 2 Ferrier rearrangement-based synthesis of d-myo-inositol 1,4,5-trisphosphate. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 857-866.	1.8	10
70	Caged AG10: new tools for spatially predefined mitochondrial uncoupling. <i>Molecular BioSystems</i> , 2009, 5, 450.	2.9	10
71	Synthesis, photolysis studies and in vitro photorelease of caged TRPV1 agonists and antagonists. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 4695.	2.8	10
72	Phenylglycine derivatives as antagonists of group III metabotropic glutamate receptors expressed on neonatal rat primary afferent terminals. <i>British Journal of Pharmacology</i> , 2003, 139, 1523-1531.	5.4	9

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73	Adenosine Monophosphate Binding Stabilizes the KTN Domain of the <i>Shewanella denitrificans</i> Kef Potassium Efflux System. <i>Biochemistry</i> , 2017, 56, 4219-4234.	2.5	9
74	Isoxazole-Derived Amino Acids are Bromodomain-Binding Acetyl-Lysine Mimics: Incorporation into Histone H4 Peptides and Histone H3. <i>Angewandte Chemie</i> , 2016, 128, 8493-8497.	2.0	7
75	A synthesis of dioctanoyl phosphatidylinositol. <i>Tetrahedron: Asymmetry</i> , 2009, 20, 2809-2813.	1.8	6
76	Zap-pano: a Photocaged Prodrug of the KDAC Inhibitor Panobinostat. <i>ChemMedChem</i> , 2021, 16, 3691-3700.	3.2	6
77	Synthesis and biological evaluation of phospholane and dihydrophosphole analogues of the glutamate receptor agonist AP4. Electronic supplementary information (ESI) available: mode of epoxide ring-opening and experimental data for 2 and 3. See http://www.rsc.org/suppdata/p1/b2/b204891d/ . <i>Journal of the Chemical Society, Perkin Transactions 1</i> , 2002, , 1625-1627.	1.3	5
78	Pharmacological Inhibition of ATR Can Block Autophagy through an ATR-Independent Mechanism. <i>IScience</i> , 2020, 23, 101668.	4.1	5
79	Development of isotope-enriched phosphatidylinositol-4- and 5-phosphate cellular mass spectrometry probes. <i>Chemical Science</i> , 2021, 12, 2549-2557.	7.4	4
80	Thieme Chemistry Journal Awardees - Where are They Now? Synthesis of the Marine Glycolipid Dioctadecanoyl Discoside. <i>Synlett</i> , 2009, 2009, 3099-3102.	1.8	3
81	Chemische Epigenetik: der Einfluss chemischer und chemo-biologischer Techniken auf die Zielstruktur-Validierung von Bromodomänen. <i>Angewandte Chemie</i> , 2019, 131, 18096-18120.	2.0	3
82	Bioactivation of Isoxazole-Containing Bromodomain and Extra-Terminal Domain (BET) Inhibitors. <i>Metabolites</i> , 2021, 11, 390.	2.9	3
83	Emerging Epigenetic Therapies—Bromodomain Ligands. , 2015, , 495-524.		1
84	Synthesis of Highly Water-Soluble Adamantyl Phosphoinositide Derivatives. <i>Australian Journal of Chemistry</i> , 2015, 68, 543.	0.9	1
85	Epigenetics 2.0: Special Issue on Epigenetics—Call for Papers. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 12129-12130.	6.4	1
86	PPIs as therapeutic targets for anticancer drug discovery: the case study of MDM2 and BET bromodomain inhibitors. , 2020, , 267-288.		1
87	Simplifying Submission Requirements for the Journal of Medicinal Chemistry. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 7877-7878.	6.4	0
88	Welcome to ACS Bio & Med Chem Au. <i>ACS Bio & Med Chem Au</i> , 0, , .	3.7	0
89	Celebrating the Medicinal Chemistry of Gunda Georg and Shaomeng Wang. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17541-17544.	6.4	0
90	Increasing Diversity in Admissions to Postgraduate Study. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 5867-5869.	6.4	0