# Brendan Michael Duggan

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5762519/publications.pdf

Version: 2024-02-01

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|---|---|---|---|
| 45 papers | 5,080 citations | 257357 24 h-index | 214721 47 g-index |
| 51 all docs | 51 docs citations | 51 times ranked | 7637 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Cannabinol inhibits oxytosis/ferroptosis by directly targeting mitochondria independently of cannabinoid receptors. Free Radical Biology and Medicine, 2022, 180, 33-51. | 1.3 | 14 |
| 2 | Experimental characterization of the association of Î²-cyclodextrin and eight novel cyclodextrin derivatives with two guest compounds. Journal of Computer-Aided Molecular Design, 2021, 35, 95-104. | 1.3 | 9 |
| 3 | Searching for Small Molecules with an Atomic Sort. Angewandte Chemie, 2020, 132, 1160-1164. | 1.6 | 1 |
| 4 | Searching for Small Molecules with an Atomic Sort. Angewandte Chemie - International Edition, 2020, 59, 1144-1148. | 7.2 | 4 |
| 5 | Commensal Oral Rothia mucilaginosa Produces Enterobactin, a Metal-Chelating Siderophore. MSystems, 2020, 5, . | 1.7 | 30 |
| 6 | The Pierced Lasso Topology Leptin has a Bolt on Dynamic Domain Composed by the Disordered Loops I and III. Journal of Molecular Biology, 2020, 432, 3050-3063. | 2.0 | 9 |
| 7 | A Convolutional Neural Network-Based Approach for the Rapid Annotation of Molecularly Diverse Natural Products. Journal of the American Chemical Society, 2020, 142, 4114-4120. | 6.6 | 114 |
| 8 | Tutuilamides Aâ€“C: Vinyl-Chloride-Containing Cyclodepsipeptides from Marine Cyanobacteria with Potent Elastase Inhibitory Properties. ACS Chemical Biology, 2020, 15, 751-757. | 1.6 | 33 |
| 9 | Editorial to the Special Issueâ€”â€œTechnology for Natural Products Researchâ€. Molecules, 2020, 25, 327. | 1.7 | 0 |
| 10 | Synthesis, Pharmacological Characterization, and Structureâ€“Activity Relationships of Noncanonical Selective Agonists for Î±7 nAChRs. Journal of Medicinal Chemistry, 2019, 62, 10376-10390. | 2.9 | 12 |
| 11 | Facile synthesis of a diverse library of mono-3-substituted Î²-cyclodextrin analogues. Supramolecular Chemistry, 2019, 31, 251-259. | 1.5 | 8 |
| 12 | Lepadins Iâ€“K, 3-O-(3â€²-Methylthio)acryloyloxy-decahydroquinoline Esters from a Bahamian Ascidian Didemnum sp. Assignment of Absolute Stereostructures. Journal of Organic Chemistry, 2018, 83, 13670-13677. | 1.7 | 14 |
| 13 | Identification of a 3-Alkylpyridinium Compound from the Red Sea Sponge Amphimedon chloros with In Vitro Inhibitory Activity against the West Nile Virus NS3 Protease. Molecules, 2018, 23, 1472. | 1.7 | 16 |
| 14 | Toward Expanded Diversity of Hostâ€“Guest Interactions via Synthesis and Characterization of Cyclodextrin Derivatives. Journal of Solution Chemistry, 2018, 47, 1597-1608. | 0.6 | 14 |
| 15 | Ultraâ€high resolution bandâ€selective HSQC for nanomoleâ€scale identification of chlorineâ€substituted <sup>13</sup>C in natural products drug discovery. Magnetic Resonance in Chemistry, 2017, 55, 263-268. | 1.1 | 14 |
| 16 | Small Molecule Accurate Recognition Technology (SMART) to Enhance Natural Products Research. Scientific Reports, 2017, 7, 14243. | 1.6 | 67 |
| 17 | Indexing the Pseudomonas specialized metabolome enabled the discovery of poaeamide B and the bananamides. Nature Microbiology, 2017, 2, 16197. | 5.9 | 121 |
| 18 | Digitizing mass spectrometry data to explore the chemical diversity and distribution of marine cyanobacteria and algae. ELife, 2017, 6, . | 2.8 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Sharing and community curation of mass spectrometry data with Global Natural Products Social Molecular Networking. Nature Biotechnology, 2016, 34, 828-837. | 9.4 | 2,802 |
| 20 | Divergent biosynthesis yields a cytotoxic aminomalonate-containing precolibactin. Nature Chemical Biology, 2016, 12, 773-775. | 3.9 | 74 |
| 21 | Efficient red light photo-uncaging of active molecules in water upon assembly into nanoparticles. Chemical Science, 2016, 7, 2392-2398. | 3.7 | 36 |
| 22 | The Alga Ochromonas danica Produces Bromosulfolipids. Organic Letters, 2016, 18, 1124-1127. | 2.4 | 13 |
| 23 | Combining Mass Spectrometric Metabolic Profiling with Genomic Analysis: A Powerful Approach for Discovering Natural Products from Cyanobacteria. Journal of Natural Products, 2015, 78, 1671-1682. | 1.5 | 156 |
| 24 | Mollenynes Bâ€“E from the Marine Sponge Spirastrella mollis. Band-Selective Heteronuclear Single Quantum Coherence for Discrimination of Bromoâ€“Chloro Regioisomerism in Natural Products. Journal of the American Chemical Society, 2015, 137, 12343-12351. | 6.6 | 20 |
| 25 | Detailed Analysis of (â^')-Palmyrolide A and Some Synthetic Derivatives as Voltage-Gated Sodium Channel Antagonists. Journal of Natural Products, 2014, 77, 2553-2560. | 1.5 | 12 |
| 26 | MS/MS-based networking and peptidogenomics guided genome mining revealed the stenothricin gene cluster in Streptomyces roseosporus. Journal of Antibiotics, 2014, 67, 99-104. | 1.0 | 64 |
| 27 | 1H, 13C and 15N assignments of the holo-acyl carrier protein of Pseudomonas aeruginosa. Biomolecular NMR Assignments, 2013, 7, 225-228. | 0.4 | 1 |
| 28 | Glycogenomics as a mass spectrometry-guided genome-mining method for microbial glycosylated molecules. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E4407-16. | 3.3 | 101 |
| 29 | The Arginine-Rich RNA-Binding Motif of HIV-1 Rev Is Intrinsically Disordered and Folds upon RRE Binding. Biophysical Journal, 2013, 105, 1004-1017. | 0.2 | 44 |
| 30 | Microbial metabolic exchange in 3D. ISME Journal, 2013, 7, 770-780. | 4.4 | 73 |
| 31 | Catalytic detoxification of nerve agent and pesticide organophosphates by butyrylcholinesterase assisted with non-pyridinium oximes. Biochemical Journal, 2013, 450, 231-242. | 1.7 | 73 |
| 32 | A Distal Mutation Perturbs Dynamic Amino Acid Networks in Dihydrofolate Reductase. Biochemistry, 2013, 52, 4605-4619. | 1.2 | 77 |
| 33 | Bioactivityâ€Guided Genome Mining Reveals the Lomaiviticin Biosynthetic Gene Cluster in Salinispora tropica. ChemBioChem, 2013, 14, 955-962. | 1.3 | 82 |
| 34 | MS/MS networking guided analysis of molecule and gene cluster families. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2611-20. | 3.3 | 250 |
| 35 | Interkingdom metabolic transformations captured by microbial imaging mass spectrometry. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13811-13816. | 3.3 | 220 |
| 36 | NMR assignments of the N-terminal domain of Nephila clavipes spidroin 1. Biomolecular NMR Assignments, 2011, 5, 131-133. | 0.4 | 3 |

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|---|---|---|---|
| 37 | Messenger RNAs under Differential Translational Control in Ki-rasâ€“Transformed Cells. Molecular Cancer Research, 2006, 4, 47-60. | 1.5 | 30 |
| 38 | SANE (Structure Assisted NOE Evaluation): an automated model-based approach for NOE assignment. Journal of Biomolecular NMR, 2001, 19, 321-329. | 1.6 | 113 |
| 39 | Potential bias in NMR relaxation data introduced by peak intensity analysis and curve fitting methods. Journal of Biomolecular NMR, 2001, 21, 1-9. | 1.6 | 44 |
| 40 | Inherent flexibility in a potent inhibitor of blood coagulation, recombinant nematode anticoagulant protein c2. FEBS Journal, 1999, 265, 539-548. | 0.2 | 42 |
| 41 | Contribution of Increased Length and Intact Capping Sequences to the Conformational Preference for Helix in a 31-Residue Peptide from the C Terminus of Myohemerythrin. Biochemistry, 1997, 36, 5234-5244. | 1.2 | 44 |
| 42 | Conformational Dynamics of Thyroid Hormones by Variable Temperature Nuclear Magnetic Resonance:Â The Role of Side Chain Rotations and Cisoid/Transoid Interconversions. Journal of Medicinal Chemistry, 1997, 40, 2259-2265. | 2.9 | 23 |
| 43 | 1H and13C NMR Relaxation Studies of Molecular Dynamics of the Thyroid Hormones Thyroxine, 3,5,3â€˜-Triiodothyronine, and 3,5-Diiodothyronineâ€. Journal of Medicinal Chemistry, 1996, 39, 4007-4016. | 2.9 | 12 |
| 44 | Synthesis and structural characterisation of analogues of the potassium channel blocker charybdotoxin. BBA - Proteins and Proteomics, 1996, 1292, 31-38. | 2.1 | 7 |
| 45 | Three-dimensional Structure in Solution of the Calcium Channel Blocker ï‰-Conotoxin. Journal of Molecular Biology, 1993, 234, 405-420. | 2.0 | 144 |