

Ryan P Murelli

List of Publications by Year in descending order

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48
papers

1,319
citations

331670

21
h-index

377865

34
g-index

51
all docs

51
docs citations

51
times ranked

1337
citing authors

#	ARTICLE	IF	CITATIONS
1	A Remote Arene-Binding Site on Prostate Specific Membrane Antigen Revealed by Antibody-Recruiting Small Molecules. <i>Journal of the American Chemical Society</i> , 2010, 132, 12711-12716.	13.7	131
2	Chemical Control over Immune Recognition: A Class of Antibody-Recruiting Small Molecules That Target Prostate Cancer. <i>Journal of the American Chemical Society</i> , 2009, 131, 17090-17092.	13.7	106
3	Hydroxylated Tropolones Inhibit Hepatitis B Virus Replication by Blocking Viral Ribonuclease H Activity. <i>Antimicrobial Agents and Chemotherapy</i> , 2015, 59, 1070-1079.	3.2	81
4	A Biosynthetic Strategy for Re-engineering the <i>Staphylococcus aureus</i> Cell Wall with Non-native Small Molecules. <i>ACS Chemical Biology</i> , 2010, 5, 1147-1155.	3.4	63
5	Ruthenium-Catalyzed Tandem Cross-Metathesis/Wittig Olefination: A Generation of Conjugated Dienoic Esters from Terminal Olefins. <i>Organic Letters</i> , 2007, 9, 1749-1752.	4.6	61
6	Total Syntheses of (+)- and (âˆ’)-Cacospongionolide B, Cacospongionolide E, and Related Analogues. Preliminary Study of Structural Features Required for Phospholipase A2 Inhibition. <i>Journal of Organic Chemistry</i> , 2004, 69, 5712-5719.	3.2	55
7	An Oxidopyrylium Cyclization/Ring-Opening Route to Polysubstituted Î±-Hydroxytropolones. <i>Organic Letters</i> , 2012, 14, 5988-5991.	4.6	55
8	The biology and synthesis of Î±-hydroxytropolones. <i>MedChemComm</i> , 2014, 5, 842-852.	3.4	51
9	Oxidopyrylium [5+2] cycloaddition chemistry: Historical perspective and recent advances (2008â€“2018). <i>Tetrahedron</i> , 2018, 74, 2501-2521.	1.9	51
10	Inhibition of the ANT(2â€³)-Ia resistance enzyme and rescue of aminoglycoside antibiotic activity by synthetic Î±-hydroxytropolones. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4943-4947.	2.2	44
11	Efficacy and cytotoxicity in cell culture of novel Î±-hydroxytropolone inhibitors of hepatitis B virus ribonuclease H. <i>Antiviral Research</i> , 2017, 144, 164-172.	4.1	39
12	Synthetic Î±-Hydroxytropolones Inhibit Replication of Wild-Type and Acyclovir-Resistant Herpes Simplex Viruses. <i>Antimicrobial Agents and Chemotherapy</i> , 2016, 60, 2140-2149.	3.2	36
13	Efficacy of hepatitis B virus ribonuclease H inhibitors, a new class of replication antagonists, in FRG human liver chimeric mice. <i>Antiviral Research</i> , 2018, 149, 41-47.	4.1	36
14	Triflic Acid-Mediated Rearrangements of 3-Methoxy-8-oxabicyclo[3.2.1]octa-3,6-dien-2-ones: Synthesis of Methoxytropolones and Furans. <i>Journal of Organic Chemistry</i> , 2013, 78, 11707-11713.	3.2	35
15	Ruthenium-catalyzed tandem enyne-cross metathesisâ€“cyclopropanation: three-component access to vinyl cyclopropanes. <i>Tetrahedron Letters</i> , 2008, 49, 5714-5717.	1.4	31
16	Troponoids Can Inhibit Growth of the Human Fungal Pathogen <i>Cryptococcus neoformans</i> . <i>Antimicrobial Agents and Chemotherapy</i> , 2017, 61, .	3.2	31
17	Characterization of the C-Terminal Nuclease Domain of Herpes Simplex Virus pUL15 as a Target of Nucleotidyltransferase Inhibitors. <i>Biochemistry</i> , 2016, 55, 809-819.	2.5	30
18	Two distinct modes of metal ion binding in the nuclease active site of a viral DNA-packaging terminase: insight into the two-metal-ion catalytic mechanism. <i>Nucleic Acids Research</i> , 2015, 43, 11003-11016.	14.5	26

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19	Discovery and Development of a Three-Component Oxidopyrylium [5 + 2] Cycloaddition. <i>Journal of Organic Chemistry</i> , 2016, 81, 3744-3751.	3.2	26
20	The Exonuclease Activity of Herpes Simplex Virus 1 UL12 Is Required for Production of Viral DNA That Can Be Packaged To Produce Infectious Virus. <i>Journal of Virology</i> , 2017, 91, .	3.4	26
21	Chemical Approaches to Inhibiting the Hepatitis B Virus Ribonuclease H. <i>ACS Infectious Diseases</i> , 2019, 5, 655-658.	3.8	26
22	Free Energy-Based Virtual Screening and Optimization of RNase H Inhibitors of HIV-1 Reverse Transcriptase. <i>ACS Omega</i> , 2016, 1, 435-447.	3.5	23
23	Synthesis and Evaluation of Troponoids as a New Class of Antibiotics. <i>ACS Omega</i> , 2018, 3, 15125-15133.	3.5	22
24	Amide-containing $\hat{1}\pm$ -hydroxytropolones as inhibitors of hepatitis B virus replication. <i>Antiviral Research</i> , 2020, 177, 104777.	4.1	22
25	Catalytic Enantioselective Intermolecular [5 + 2] Dipolar Cycloadditions of a 3-Hydroxy-4-pyrone-Derived Oxidopyrylium Ylide. <i>Organic Letters</i> , 2017, 19, 6356-6359.	4.6	21
26	Conformationally Restricted (+)-Cacospongionolide B Analogues. Influence on Secretory Phospholipase A2 Inhibition. <i>Journal of Organic Chemistry</i> , 2007, 72, 1545-1552.	3.2	19
27	Amidation strategy for final-step $\hat{1}\pm$ -hydroxytropolone diversification. <i>Tetrahedron Letters</i> , 2018, 59, 3026-3028.	1.4	17
28	Troponoid Atropisomerism: Studies on the Configurational Stability of Troponone-Amide Chiral Axes. <i>Organic Letters</i> , 2019, 21, 2412-2415.	4.6	15
29	Broad anti-herpesviral activity of $\hat{1}\pm$ -hydroxytropolones. <i>Veterinary Microbiology</i> , 2018, 214, 125-131.	1.9	14
30	Traceless solid-phase $\hat{1}\pm$ -hydroxytropolone synthesis. <i>MedChemComm</i> , 2016, 7, 1789-1792.	3.4	13
31	Sensitivity of the C-Terminal Nuclease Domain of Kaposi's Sarcoma-Associated Herpesvirus ORF29 to Two Classes of Active-Site Ligands. <i>Antimicrobial Agents and Chemotherapy</i> , 2018, 62, .	3.2	13
32	Synthetic $\hat{1}\pm$ -hydroxytropolones as inhibitors of HIV reverse transcriptase ribonuclease H activity. <i>MedChemComm</i> , 2016, 7, 1783-1788.	3.4	11
33	Fluorous-Phase Approach to $\hat{1}\pm$ -Hydroxytropolone Synthesis. <i>Journal of Organic Chemistry</i> , 2018, 83, 1478-1485.	3.2	10
34	Acid-mediated coupling of $\hat{1}^3$ -hydroxybutenolides and aldehydes: synthesis of a new class of spirocyclic ketal-lactones. <i>Tetrahedron Letters</i> , 2012, 53, 6779-6781.	1.4	9
35	Divergent synthesis of a thiolate-based $\hat{1}\pm$ -hydroxytropolone library with a dynamic bioactivity profile. <i>RSC Advances</i> , 2019, 9, 34227-34234.	3.6	9
36	Spectrophotometric determination of $\hat{1}\pm$ -hydroxytropolone pKa values: A structure-acidity relationship study. <i>Tetrahedron Letters</i> , 2019, 60, 1643-1645.	1.4	8

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37	3,7-Dihydroxytropolones Inhibit Initiation of Hepatitis B Virus Minus-Strand DNA Synthesis. <i>Molecules</i> , 2020, 25, 4434.	3.8	8
38	Investigations into a Stoichiometrically Equivalent Intermolecular Oxidopyrylium [5 + 2] Cycloaddition Reaction Leveraging 3-Hydroxy-4-pyrone-Based Oxidopyrylium Dimers. <i>Journal of Organic Chemistry</i> , 2021, 86, 3826-3835.	3.2	8
39	Importance of lipophilicity for potent anti-herpes simplex virus-1 activity of $\hat{\iota}$ -hydroxytropolones. <i>MedChemComm</i> , 2019, 10, 1173-1176.	3.4	7
40	Dynamic bulge nucleotides in the KSHV PAN ENE triple helix provide a unique binding platform for small molecule ligands. <i>Nucleic Acids Research</i> , 2021, 49, 13179-13193.	14.5	6
41	Maltol- and Allomaltol-Derived Oxidopyrylium Ylides: Methyl Substitution Pattern Kinetically Influences [5 + 3] Dimerization versus [5 + 2] Cycloaddition Reactions. <i>Journal of Organic Chemistry</i> , 2019, 84, 14670-14678.	3.2	4
42	Synthesis of $\hat{\iota}$ -Tropolones through Autoxidation of Dioxole-Fused Cycloheptatrienes. <i>Journal of Organic Chemistry</i> , 2022, 87, 4499-4507.	3.2	4
43	Synthesis of Polyoxygenated Tropolones and their Antiviral Activity against Hepatitis B Virus and Herpes Simplex Virus. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
44	7,9-Diaryl-1,6,8-trioxaspiro[4.5]dec-3-en-2-ones: Readily accessible and highly potent anticancer compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 4035-4038.	2.2	3
45	Synthesis of aryl-substituted 2-methoxyphenol derivatives from maltol-derived oxidopyrylium cycloadducts through an acid-mediated ring contraction cascade. <i>Chemical Communications</i> , 2020, 56, 3203-3205.	4.1	3
46	Effects of Troponoids on Mitochondrial Function and Cytotoxicity. <i>Antimicrobial Agents and Chemotherapy</i> , 2022, 66, AAC0161721.	3.2	3
47	Antiviral activity of $\hat{\iota}$ -hydroxytropolones on caprine alphaherpesvirus 1 in vitro. <i>Research in Veterinary Science</i> , 2020, 129, 99-102.	1.9	1
48	Intermolecular oxidopyrylium [5 + 2] cycloaddition chemistry and its application toward the synthesis and study of highly oxygenated troponoids. <i>Strategies and Tactics in Organic Synthesis</i> , 2022, 15, 99-148.	0.1	1