

Jeremy E Wulff

List of Publications by Year in descending order

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70
papers

1,503
citations

304743

22
h-index

345221

36
g-index

82
all docs

82
docs citations

82
times ranked

1862
citing authors

#	ARTICLE	IF	CITATIONS
1	Polyamine-Diazirine Conjugates for Use as Primers in UHMWPE-Epoxy Composite Materials. <i>ACS Applied Polymer Materials</i> , 2022, 4, 1728-1742.	4.4	8
2	Crosslinking inert liquidlike polydimethylsiloxane brushes using bis-diazirine chemical insertion for enhanced mechanical durability. <i>Chemical Engineering Journal</i> , 2022, 442, 136017.	12.7	16
3	Improvements in Drug-Delivery Properties by Co-Encapsulating Curcumin in SN-38-Loaded Anticancer Polymeric Nanoparticles. <i>Molecular Pharmaceutics</i> , 2022, 19, 1866-1881.	4.6	5
4	Electronically optimized diazirine-based polymer crosslinkers. <i>Polymer Chemistry</i> , 2022, 13, 3833-3839.	3.9	6
5	Copolymers of Functionalized and Nonfunctionalized Polydicyclopentadiene. <i>ACS Applied Polymer Materials</i> , 2021, 3, 110-115.	4.4	3
6	Efficient purification of the diarylheptanoid oregonin from red alder (<i>Alnus rubra</i>) leaves and bark combining aqueous extraction, spray drying and flash-chromatography. <i>Phytochemical Analysis</i> , 2021, 32, 554-561.	2.4	4
7	Catalytic C-H Oxidation Enhances Polyethylene Bonding. <i>CheM</i> , 2021, 7, 7-9.	11.7	9
8	Flexible polyfluorinated bis-diazirines as molecular adhesives. <i>Chemical Science</i> , 2021, 12, 4147-4153.	7.4	27
9	Hierarchical Self-Assembly Route to Polyplex-in-Hydrophobic-Core Micelles for Gene Delivery. <i>Chemistry of Materials</i> , 2021, 33, 6860-6875.	6.7	10
10	Structure-function relationships in aryl diazirines reveal optimal design features to maximize C-H insertion. <i>Chemical Science</i> , 2021, 12, 12138-12148.	7.4	37
11	Influence of Topical Cross-Linking on Mechanical and Ballistic Performance of a Woven Ultra-High-Molecular-Weight Polyethylene Fabric Used in Soft Body Armor. <i>ACS Applied Polymer Materials</i> , 2021, 3, 6008-6018.	4.4	6
12	A Chan-Evans-Lam approach to trisubstituted vinyl ethers. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9649-9653.	2.8	2
13	Discovery of salicyl benzoate UDP-glycosyltransferase, a central enzyme in poplar salicinoid phenolic glycoside biosynthesis. <i>Plant Journal</i> , 2020, 102, 99-115.	5.7	31
14	Harnessing the surface chemistry of methyl ester functionalized polydicyclopentadiene and exploring surface bioactivity. <i>Materials Advances</i> , 2020, 1, 1753-1762.	5.4	4
15	Development and Field Validation of Lidocaine-Loaded Castration Bands for Bovine Pain Mitigation. <i>Animals</i> , 2020, 10, 2363.	2.3	6
16	Production and Dynamic Mechanical Analysis of Macro-Scale Functionalized Polydicyclopentadiene Objects Facilitated by Rational Synthesis and Reaction Injection Molding. <i>ACS Applied Polymer Materials</i> , 2019, 1, 2460-2471.	4.4	9
17	Rational Adaptation of L3MBTL1 Inhibitors to Create Small-Molecule Cbx7 Antagonists. <i>ChemMedChem</i> , 2019, 14, 1444-1456.	3.2	5
18	In Vitro Assessment of Putative PD-1/PD-L1 Inhibitors: Suggestions of an Alternative Mode of Action. <i>ACS Medicinal Chemistry Letters</i> , 2019, 10, 1187-1192.	2.8	22

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19	Microfluidic encapsulation of SN-38 in block copolymer nanoparticles: effect of hydrophobic block composition on loading and release properties. <i>Canadian Journal of Chemistry</i> , 2019, 97, 337-343.	1.1	1
20	Prying open a Thiele cage: discovery of an unprecedented extended pinacol rearrangement. <i>Chemical Communications</i> , 2019, 55, 1600-1603.	4.1	5
21	Reinvestigation of a robotically revealed reaction. <i>Nature</i> , 2019, 570, E54-E59.	27.8	4
22	A broadly applicable cross-linker for aliphatic polymers containing C-H bonds. <i>Science</i> , 2019, 366, 875-878.	12.6	94
23	Microfluidic Manufacturing of SN-38-Loaded Polymer Nanoparticles with Shear Processing Control of Drug Delivery Properties. <i>Molecular Pharmaceutics</i> , 2019, 16, 96-107.	4.6	22
24	Structure of the Thermally Induced Cross-Link in C-Linked Methyl Ester-Functionalized Polydicyclopentadiene (PDCPD). <i>Macromolecules</i> , 2018, 51, 2038-2047.	4.8	21
25	Microfluidic Processing Approach to Controlling Drug Delivery Properties of Curcumin-Loaded Block Copolymer Nanoparticles. <i>Molecular Pharmaceutics</i> , 2018, 15, 4517-4528.	4.6	34
26	Resolution of Thiele's acid. <i>Canadian Journal of Chemistry</i> , 2017, 95, 234-238.	1.1	4
27	Effects of Isx-9 and stress on adult hippocampal neurogenesis: Experimental considerations and future perspectives. <i>Neurogenesis (Austin, Tex)</i> , 2017, 4, e1317692.	1.5	8
28	Controlling Structure and Function of Polymeric Drug Delivery Nanoparticles Using Microfluidics. <i>Molecular Pharmaceutics</i> , 2017, 14, 2595-2606.	4.6	33
29	Radical Stabilization Algorithm as a Predictive Tool for Novel and Reported Noncanonical Thiele's Acid Analogues. <i>Synlett</i> , 2017, 28, 2777-2782.	1.8	3
30	Synthesis, Self-Assembly, and Drug Delivery Characteristics of Poly(methyl Tj ETQqO O rgBT /Overlock 10 Tf 50 312 Td (caprolactone-Compositions of Hydrophobic Blocks: Combining Chemistry and Microfluidic Processing for Polymeric Nanomedicines. <i>ACS Omega</i> , 2017, 2, 5289-5303.	3.5	20
31	Microfluidic synthesis of dye-loaded polycaprolactone-block-poly(ethylene oxide) nanoparticles: Insights into flow-directed loading and in vitro release for drug delivery. <i>Journal of Colloid and Interface Science</i> , 2016, 475, 136-148.	9.4	31
32	ISX-9 can potentiate cell proliferation and neuronal commitment in the rat dentate gyrus. <i>Neuroscience</i> , 2016, 332, 212-222.	2.3	15
33	Revisiting the mechanistic origins of Thiele's ester dimerization: probing the reliability of predictive models for cycloadditions. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10170-10174.	2.8	15
34	Thermally Crosslinked Functionalized Polydicyclopentadiene with a High T _g and Tunable Surface Energy. <i>ACS Omega</i> , 2016, 1, 532-540.	3.5	31
35	Structure-Activity Relationships of Cbx7 Inhibitors, Including Selectivity Studies against Other Cbx Proteins. <i>ACS Omega</i> , 2016, 1, 541-551.	3.5	14
36	Selective Inhibition of CBX6: A Methyllysine Reader Protein in the Polycomb Family. <i>ACS Medicinal Chemistry Letters</i> , 2016, 7, 139-144.	2.8	45

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37	Salicylates are interference compounds in TR-FRET assays. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 973-977.	2.2	11
38	3-Sulfolenes and Their Derivatives: Synthesis and Applications. <i>Synthesis</i> , 2015, 48, 1-17.	2.3	7
39	Diastereoselective tandem reactions of substituted 3-sulfolenes with bis-vinyl ketones leading to highly functionalized bicyclic and tricyclic frameworks. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4581-4588.	2.8	5
40	A symmetry-driven approach to the putative spiroketal core of the didemnaketals. <i>Tetrahedron</i> , 2015, 71, 2643-2657.	1.9	7
41	Expansion of Thiele's Acid Chemistry in Pursuit of a Suite of Conformationally Constrained Scaffolds. <i>Journal of Organic Chemistry</i> , 2015, 80, 8979-8989.	3.2	13
42	A multi-pronged mechanistic study of the phosphine-mediated conjugate addition of an alcohol to an acetylenic ester. <i>New Journal of Chemistry</i> , 2014, 38, 5382-5390.	2.8	16
43	Conformational analysis of peramivir reveals critical differences between free and enzyme-bound states. <i>MedChemComm</i> , 2014, 5, 1483-1488.	3.4	5
44	Investigation of quantitative structure-reactivity relationships in the aliphatic Claisen rearrangement of bis-vinyl ethers reveals a dipolar, dissociative mechanism. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1292-1308.	2.8	14
45	Chromodomain Antagonists That Target the Polycomb-Group Methyllysine Reader Protein Chromobox Homolog 7 (CBX7). <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2874-2883.	6.4	100
46	Synthetic trimethyllysine receptors that bind histone 3, trimethyllysine 27 (H3K27me3) and disrupt its interaction with the epigenetic reader protein CBX7. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 7004-7010.	3.0	37
47	Dipolar addition to cyclic vinyl sulfones leading to dual conformation tricycles. <i>Beilstein Journal of Organic Chemistry</i> , 2013, 9, 1419-1425.	2.2	17
48	Tandem Dihydroxylation, Hemiketalization and Conjugate Addition Leading to a Singly Anomeric Spiroketal. <i>Synthesis</i> , 2012, 44, 1854-1862.	2.3	7
49	Investigating Terephthalate Biodegradation: Structural Characterization of a Putative Decarboxylating cis-Dihydrodiol Dehydrogenase. <i>Journal of Molecular Biology</i> , 2012, 423, 284-293.	4.2	7
50	A Rigid Bicyclic Platform for the Generation of Conformationally Locked Neuraminidase Inhibitors. <i>Organic Letters</i> , 2012, 14, 5876-5879.	4.6	27
51	Cascading Radical Cyclization of Bis-Vinyl Ethers: Mechanistic Investigation Reveals a 5-exo/3-exo/retro-3-exo/5-exo Pathway. <i>Journal of Organic Chemistry</i> , 2012, 77, 8634-8647.	3.2	16
52	Xanthates as Synthetic Equivalents of Oxyacyl Radicals: Access to Lactones under Tin-Free Conditions. <i>Journal of Organic Chemistry</i> , 2012, 77, 6332-6339.	3.2	24
53	Effects of Triclocarban, Triclosan, and Methyl Triclosan on Thyroid Hormone Action and Stress in Frog and Mammalian Culture Systems. <i>Environmental Science & Technology</i> , 2011, 45, 5395-5402.	10.0	136
54	Reply to Comment on "Effects of Triclocarban, Triclosan, And Methyl Triclosan on Thyroid Hormone Action and Stress in Frog and Mammalian Culture Systems". <i>Environmental Science & Technology</i> , 2011, 45, 7600-7601.	10.0	2

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55	Reply to 2nd Comment on "Effects of Triclocarban, Triclosan, And Methyl Triclosan on Thyroid Hormone Action and Stress in Frog and Mammalian Culture Systems" Environmental Science & Technology, 2011, 45, 10285-10287.	10.0	0
56	Marrying Iterative Synthesis to Cascading Radical Cyclization: 6-endo/5-exo Radical Cascade across Bis-Vinyl Ethers. Organic Letters, 2011, 13, 5552-5555.	4.6	21
57	The de-guanidinylated derivative of peramivir remains a potent inhibitor of influenza neuraminidase. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 7137-7141.	2.2	19
58	Oxygen-containing analogues of juvenile hormone III. Tetrahedron Letters, 2011, 52, 2302-2305.	1.4	9
59	Tandem Vinylogous 1,2-Addition/Anionic Oxy-Cope Reaction Leading from Butadiene Sulfone to an Orthogonally Functionalized Bicycle. Journal of Organic Chemistry, 2010, 75, 6312-6315.	3.2	17
60	Operationally Simple Copper-Promoted Coupling of Terminal Alkynes with Benzyl Halides. Journal of Organic Chemistry, 2009, 74, 3997-4000.	3.2	45
61	Evidence for the Rapid Conversion of Stephacidin B into the Electrophilic Monomer Avrainvillamide in Cell Culture. Journal of the American Chemical Society, 2007, 129, 4898-4899.	13.7	53
62	Aza-Morita-Baylis-Hillman Reactions and Cyclizations of Conjugated Dienes Activated by Sulfone, Ester, and Keto Groups. Journal of Organic Chemistry, 2007, 72, 3326-3331.	3.2	48
63	The Natural Product Avrainvillamide Binds to the Oncoprotein Nucleophosmin. Journal of the American Chemical Society, 2007, 129, 14444-14451.	13.7	78
64	Morita-Baylis-Hillman Reaction and Cyclization of 1-(p-Toluenesulfonyl)-1,3-butadiene with Aldimines.. ChemInform, 2005, 36, no.	0.0	0
65	Morita-Baylis-Hillman Reaction and Cyclization of 1-(p-Toluenesulfonyl)-1,3-butadiene with Aldimines. Organic Letters, 2005, 7, 2377-2379.	4.6	45
66	A Stereodivergent Synthesis of Virantmycin by an Enzyme-Mediated Diester Desymmetrization and a Highly Hindered Aryl Amination. Angewandte Chemie - International Edition, 2004, 43, 6493-6496.	13.8	34
67	Conjugate Additions of o-Iodoanilines and Methyl Anthranilates to Acetylenic Sulfones. A New Route to Quinolones Including First Syntheses of Two Alkaloids from the Medicinal Herb Ruta chalepensis.. ChemInform, 2003, 34, no.	0.0	0
68	Regiochemical Switching in Diels-Alder Cycloadditions by Change in Oxidation State of Removable Diene Sulfur Substituents. Synthesis of Carbazoles by Sequential Heteroannulation and Diels-Alder Cycloaddition.. ChemInform, 2003, 34, no.	0.0	0
69	Conjugate Additions of o-Iodoanilines and Methyl Anthranilates to Acetylenic Sulfones. A New Route to Quinolones Including First Syntheses of Two Alkaloids from the Medicinal Herb Ruta chalepensis. Journal of Organic Chemistry, 2003, 68, 2223-2233.	3.2	36
70	Regiochemical Switching in Diels-Alder Cycloadditions by Change in Oxidation State of Removable Diene Sulfur Substituents. Synthesis of Carbazoles by Sequential Heteroannulation and Diels-Alder Cycloaddition. Journal of Organic Chemistry, 2003, 68, 3299-3302.	3.2	30