

Jon T Njardarson

List of Publications by Year in descending order

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81839

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docs citations

100
times ranked

9997
citing authors

#	ARTICLE	IF	CITATIONS
1	Polymerizations with Elemental Sulfur: From Petroleum Refining to Polymeric Materials. <i>Journal of the American Chemical Society</i> , 2022, 144, 5-22.	6.6	91
2	Phenols in Pharmaceuticals: Analysis of a Recurring Motif. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 7044-7072.	2.9	53
3	Dramatic Effect of $\hat{\text{I}}^3$ -Heteroatom Dienolate Substituents on Counterion Assisted Asymmetric Anionic Amino-Cope Reaction Cascades. <i>Journal of the American Chemical Society</i> , 2021, 143, 5793-5804.	6.6	9
4	Mild Darzens Annulations for the Assembly of Trifluoromethylthiolated (SCF_3) Aziridine and Cyclopropane Structures. <i>Organic Letters</i> , 2021, 23, 6121-6125.	2.4	5
5	Dienolate Annulation Approach for Assembly of Densely Substituted Aromatic Architectures. <i>Journal of Organic Chemistry</i> , 2021, 86, 10555-10567.	1.7	5
6	Oxidative Route to Indoles via Intramolecular Amino-Hydroxylation of <i>o</i> -Allenyl Anilines. <i>Journal of Organic Chemistry</i> , 2021, 86, 10713-10723.	1.7	1
7	A Structural Analysis of the FDA Green Book-Approved Veterinary Drugs and Roles in Human Medicine. <i>Journal of Medicinal Chemistry</i> , 2020, 63, 15449-15482.	2.9	27
8	Strategic Vinyl Sulfone Nucleophile $\hat{\text{I}}^2$ -Substitution Significantly Impacts Selectivity in Vinylogous Darzens and Aza-Darzens Reactions. <i>Organic Letters</i> , 2020, 22, 6917-6921.	2.4	7
9	Efforts Toward a Unified Kainoid Family Synthesis Approach: Unexpected Sulfinamide-Directed Conjugate Addition Results. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1041-1044.	1.3	2
10	A Survey of the Structures of US FDA Approved Combination Drugs. <i>Journal of Medicinal Chemistry</i> , 2019, 62, 4265-4311.	2.9	164
11	Analysis of US FDA-Approved Drugs Containing Sulfur Atoms. <i>Topics in Current Chemistry Collections</i> , 2019, , 1-34.	0.2	46
12	Analysis of US FDA-Approved Drugs Containing Sulfur Atoms. <i>Topics in Current Chemistry</i> , 2018, 376, 5.	3.0	567
13	[2.2.2]- to [3.2.1]-Bicycle Skeletal Rearrangement Approach to the Gibberellin Family of Natural Products. <i>Organic Letters</i> , 2018, 20, 2993-2996.	2.4	9
14	Review of synthetic approaches toward maoecrystal V. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 4210-4222.	1.5	7
15	Asymmetric Vinylogous Aza-Darzens Approach to Vinyl Aziridines. <i>Organic Letters</i> , 2018, 20, 4942-4945.	2.4	14
16	From Oxiranes to Oligomers: Architectures of U.S. FDA Approved Pharmaceuticals Containing Oxygen Heterocycles. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 10996-11020.	2.9	222
17	Dearomatization Approach to 2-Trifluoromethylated Benzofuran and Dihydrobenzofuran Products. <i>Organic Letters</i> , 2017, 19, 3508-3511.	2.4	30
18	New Class of Anion-Accelerated Amino-Cope Rearrangements as Gateway to Diverse Chiral Structures. <i>Journal of the American Chemical Society</i> , 2017, 139, 13141-13146.	6.6	26

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19	Double-Diels-Alder Approach to Macrocyclic V. Unexpected C-C Bond-Forming Fragmentations of the [2.2.2]-Bicyclic Core. <i>Organic Letters</i> , 2017, 19, 5316-5319.	2.4	11
20	Anionic Cascade Routes to Sulfur and Nitrogen Heterocycles Originating from Thio- and Aminophosphate Precursors. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4249-4259.	1.2	7
21	Metal-Free Synthesis of Fluorinated Indoles Enabled by Oxidative Dearomatization. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 2243-2247.	7.2	35
22	Metal-Free Synthesis of Fluorinated Indoles Enabled by Oxidative Dearomatization. <i>Angewandte Chemie</i> , 2016, 128, 2283-2287.	1.6	10
23	A Mild <i>meta</i> -Selective C-H Alkylation of Catechol Monoethers. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3679-3683.	1.2	12
24	Asymmetric [3+2] Annulation Approach to β -Pyrrolines: Concise Total Syntheses of (<i>rac</i>)-Supinidine, (<i>rac</i>)-Isoretronecanol, and (+)-Elacomine. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 13706-13710.	7.2	41
25	The Realization of an Oxidative Dearomatization-Intramolecular Diels-Alder Route to Vinigrol. <i>Strategies and Tactics in Organic Synthesis</i> , 2015, 11, 335-376.	0.1	1
26	Synthesis of 1,2,3,6-Tetrahydropyridines via Aminophosphate Enabled Anionic Cascade and Acid Catalyzed Cyclization Approaches. <i>Organic Letters</i> , 2015, 17, 4030-4033.	2.4	11
27	Ring Expansions of Oxiranes and Oxetanes. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 281-309.	0.2	6
28	Formation of fused aromatic architectures via an oxidative dearomatization-radical cyclization rearomatization approach. <i>Tetrahedron Letters</i> , 2015, 56, 3550-3552.	0.7	7
29	Synthetic approaches and total syntheses of vinigrol, a unique diterpenoid. <i>Tetrahedron</i> , 2015, 71, 3775-3793.	1.0	18
30	A Scalable Rhodium-Catalyzed Intermolecular Aziridination Reaction. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 4278-4280.	7.2	12
31	Mild stereoselective formation of tri- and tetrasubstituted olefins by regioselective ring opening of 1,1-disubstituted vinyl oxiranes with dialkyl dithiophosphates. <i>Tetrahedron Letters</i> , 2014, 55, 3232-3234.	0.7	12
32	Data-Mining for Sulfur and Fluorine: An Evaluation of Pharmaceuticals To Reveal Opportunities for Drug Design and Discovery. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 2832-2842.	2.9	1,080
33	Evolution of an oxidative dearomatization enabled total synthesis of vinigrol. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 330-344.	1.5	37
34	Beyond C, H, O, and N! Analysis of the Elemental Composition of U.S. FDA Approved Drug Architectures. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9764-9773.	2.9	238
35	Analysis of the Structural Diversity, Substitution Patterns, and Frequency of Nitrogen Heterocycles among U.S. FDA Approved Pharmaceuticals. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 10257-10274.	2.9	3,996
36	Base mediated deprotection strategies for trifluoroethyl (TFE) ethers, a new alcohol protecting group. <i>Tetrahedron Letters</i> , 2013, 54, 7080-7082.	0.7	18

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37	Ring Expansions of Vinyloxiranes, -thiiranes, and -aziridines: Synthetic Approaches, Challenges, and Catalytic Success Stories. <i>Journal of Organic Chemistry</i> , 2013, 78, 9533-9540.	1.7	88
38	An In- <i>Pharm</i> -ative Educational Poster Anthology Highlighting the Therapeutic Agents That Chronicle Our Medicinal History. <i>Journal of Chemical Education</i> , 2013, 90, 1403-1405.	1.1	40
39	Mechanism and the Origins of Stereospecificity in Copper-Catalyzed Ring Expansion of Vinyl Oxiranes: A Traceless Dual Transition-Metal-Mediated Process. <i>Journal of the American Chemical Society</i> , 2013, 135, 1471-1475.	6.6	30
40	Syntheses and Structural Confirmations of Members of a Heterocycle-Containing Family of Labdane Diterpenoids. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 1543-1547.	7.2	27
41	Recent Advances in the Metal-Catalyzed Ring Expansions of Three- and Four-Membered Rings. <i>ACS Catalysis</i> , 2013, 3, 272-286.	5.5	278
42	Total Synthesis of Vinigrol. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 8648-8651.	7.2	66
43	Catalytic Ring Expansion Adventures. <i>Synlett</i> , 2013, 24, 787-803.	1.0	37
44	Pharmaceutical structure montages as catalysts for design and discovery. <i>Future Medicinal Chemistry</i> , 2012, 4, 951-954.	1.1	1
45	Chemistry By Design: A Web-Based Educational Flashcard for Exploring Synthetic Organic Chemistry. <i>Journal of Chemical Education</i> , 2012, 89, 1080-1082.	1.1	9
46	New mechanistic insights into the copper catalyzed ring expansion of vinyl aziridines: evidence in support of a copper(i) mediated pathway. <i>Chemical Science</i> , 2012, 3, 3321.	3.7	31
47	Intermolecular Oxonium Ylide Mediated Synthesis of Medium-Sized Oxacycles. <i>Organic Letters</i> , 2012, 14, 378-381.	2.4	54
48	Distinct biological effects of golgicide a derivatives on larval and adult mosquitoes. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 5177-5181.	1.0	5
49	Synthesis of allylic and homoallylic alcohols from unsaturated cyclic ethers using a mild and selective C=O reduction approach. <i>Chemical Communications</i> , 2012, 48, 7844.	2.2	43
50	Catalytic Ring Expansion of Vinyl Oxetanes: Asymmetric Synthesis of Dihydropyrans Using Chiral Counterion Catalysis. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 5675-5678.	7.2	77
51	Efficient Synthesis of Thiopyrans Using a Sulfur-Enabled Anionic Cascade. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 1938-1941.	7.2	20
52	An efficient oxidative dearomatization-radical cyclization approach to symmetrically substituted bicyclic guttiferone natural products. <i>Chemical Communications</i> , 2011, 47, 209-211.	2.2	33
53	Stereospecific Ring Expansion of Chiral Vinyl Aziridines. <i>Organic Letters</i> , 2011, 13, 1110-1113.	2.4	64
54	Emergence of potent inhibitors of metastasis in lung cancer via syntheses based on migrastatin. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 15074-15078.	3.3	45

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55	Synthetic efforts toward [3.3.1] bridged bicyclic phloroglucinol natural products. <i>Tetrahedron</i> , 2011, 67, 7631-7666.	1.0	85
56	Stereoselective Ring Expansion of Vinyl Oxiranes: Mechanistic Insights and Natural Product Total Synthesis. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1648-1651.	7.2	54
57	The strategic marriage of method and motif. Total synthesis of varitriol. <i>Tetrahedron</i> , 2010, 66, 4832-4840.	1.0	34
58	Confirmation of the structures of synthetic derivatives of migrastatin in the light of recently disclosed crystallographically based claims. <i>Tetrahedron Letters</i> , 2010, 51, 3873-3875.	0.7	17
59	A Graphical Journey of Innovative Organic Architectures That Have Improved Our Lives. <i>Journal of Chemical Education</i> , 2010, 87, 1348-1349.	1.1	782
60	Thieme Chemistry Journal Awardees - Where are They Now? Efforts towards the Total Synthesis of Vinigrol. <i>Synlett</i> , 2009, 2009, 23-27.	1.0	4
61	A Concise Ring Expansion Route to the Compact Core of Platensimycin. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 8543-8546.	7.2	74
62	An Adler-Becker oxidation approach to vinigrol. <i>Tetrahedron Letters</i> , 2009, 50, 1684-1686.	0.7	38
63	Rapid Assembly of Vinigrol's Unique Carbocyclic Skeleton. <i>Organic Letters</i> , 2009, 11, 4492-4495.	2.4	60
64	Creative approaches towards the synthesis of 2,5-dihydro-furans, thiophenes, and pyrroles. One method does not fit all!. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1761.	1.5	81
65	An Efficient Substrate-Controlled Approach Towards Hypoestoxide, a Member of a Family of Diterpenoid Natural Products with an Inside-Out [9.3.1]Bicyclic Core. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 9450-9453.	7.2	22
66	Lewis Acid Catalyzed [1,3]-Sigmatropic Rearrangement of Vinyl Aziridines. <i>Organic Letters</i> , 2008, 10, 5023-5026.	2.4	75
67	Tumor Targeting with Antibody-Functionalized, Radiolabeled Carbon Nanotubes. <i>Journal of Nuclear Medicine</i> , 2007, 48, 1180-1189.	2.8	414
68	Highly Selective Copper-Catalyzed Ring Expansion of Vinyl Thiiranes: Application to Synthesis of Biotin and the Heterocyclic Core of Plavix. <i>Journal of the American Chemical Society</i> , 2007, 129, 2768-2769.	6.6	69
69	PET Imaging of Soluble Yttrium-86-Labeled Carbon Nanotubes in Mice. <i>PLoS ONE</i> , 2007, 2, e907.	1.1	169
70	Copper-Catalyzed Rearrangement of Vinyl Oxiranes. <i>Journal of the American Chemical Society</i> , 2006, 128, 16054-16055.	6.6	80
71	Synthetic analogues of migrastatin that inhibit mammary tumor metastasis in mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 3772-3776.	3.3	153
72	Discovery of Potent Cell Migration Inhibitors through Total Synthesis: Lessons from Structure-Activity Studies of (+)-Migrastatin. <i>Journal of the American Chemical Society</i> , 2004, 126, 1038-1040.	6.6	161

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73	The Migrastatin Family: Discovery of Potent Cell Migration Inhibitors by Chemical Synthesis. <i>Journal of the American Chemical Society</i> , 2004, 126, 11326-11337.	6.6	168
74	Application of phenolic oxidation chemistry in synthesis: preparation of the BCE ring system of ryanodine. <i>Tetrahedron</i> , 2003, 59, 8855-8858.	1.0	29
75	The Total Synthesis of (+)-Migrastatin. <i>Journal of the American Chemical Society</i> , 2003, 125, 6042-6043.	6.6	103
76	The Art of Innovation in Organic Chemistry: Synthetic Efforts toward the Phomoidrides. <i>Chemical Reviews</i> , 2003, 103, 2691-2728.	23.0	54
77	Total Syntheses of [17]- and [18]Dehydrodesoxyepothilones B via a Concise Ring-Closing Metathesis-Based Strategy: Correlation of Ring Size with Biological Activity in the Epothilone Series. <i>Journal of Organic Chemistry</i> , 2002, 67, 7737-7740.	1.7	50
78	Highly Concise Routes to Epothilones: The Total Synthesis and Evaluation of Epothilone 490. <i>Journal of the American Chemical Society</i> , 2002, 124, 9825-9832.	6.6	113
79	Reactive Dienes: Intramolecular Aromatic Oxidation of 3-(2-Hydroxyphenyl)-propionic Acids. <i>Organic Letters</i> , 2002, 4, 493-496.	2.4	69
80	CP-263,114 synthetic studies. Construction of an isotwistane ring system via rhodium carbenoid C-H insertion. <i>Tetrahedron</i> , 2002, 58, 6545-6554.	1.0	26
81	An Expedient Approach toward the Total Synthesis of CP-263,114. <i>Organic Letters</i> , 2001, 3, 2435-2438.	2.4	51
82	Evolution of a Synthetic Approach to CP-263,114. <i>Organic Letters</i> , 2001, 3, 2431-2434.	2.4	42
83	A Concise Synthetic Route to Pure Isomers of the Antifungal Agents (E)- and (Z)-1,2-Diaryl-3-(1-imidazolyl)-1-propenes. <i>Acta Chemica Scandinavica</i> , 1995, 49, 423-427.	0.7	5
84	A facile synthesis of β -phosphono esters through methoxycarbonylation of β -phosphono carbanions. <i>Tetrahedron Letters</i> , 1994, 35, 9071-9072.	0.7	6