## Jon T Njardarson

List of Publications by Year in descending order

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| #  | Article   | IF   | CITATIONS |
|----|---|------|-----------|
| 1  | Polymerizations with Elemental Sulfur: From Petroleum Refining to Polymeric Materials. Journal of the American Chemical Society, 2022, 144, 5-22.   | 13.7 | 91        |
| 2  | Phenols in Pharmaceuticals: Analysis of a Recurring Motif. Journal of Medicinal Chemistry, 2022, 65, 7044-7072.   | 6.4  | 53        |
| 3  | Dramatic Effect of γ-Heteroatom Dienolate Substituents on Counterion Assisted Asymmetric Anionic<br>Amino-Cope Reaction Cascades. Journal of the American Chemical Society, 2021, 143, 5793-5804. | 13.7 | 9         |
| 4  | Mild Darzens Annulations for the Assembly of Trifluoromethylthiolated (SCF <sub>3</sub> ) Aziridine and Cyclopropane Structures. Organic Letters, 2021, 23, 6121-6125.                            | 4.6  | 5         |
| 5  | Dienolate Annulation Approach for Assembly of Densely Substituted Aromatic Architectures. Journal of Organic Chemistry, 2021, 86, 10555-10567.  | 3.2  | 5         |
| 6  | Oxidative Route to Indoles via Intramolecular Amino-Hydroxylation of <i>o</i> -Allenyl Anilines.<br>Journal of Organic Chemistry, 2021, 86, 10713-10723.  | 3.2  | 1         |
| 7  | A Structural Analysis of the FDA Green Book-Approved Veterinary Drugs and Roles in Human Medicine.<br>Journal of Medicinal Chemistry, 2020, 63, 15449-15482.                                      | 6.4  | 27        |
| 8  | Strategic Vinyl Sulfone Nucleophile β-Substitution Significantly Impacts Selectivity in Vinylogous<br>Darzens and Aza-Darzens Reactions. Organic Letters, 2020, 22, 6917-6921.                    | 4.6  | 7         |
| 9  | Efforts Toward a Unified Kainoid Family Synthesis Approach: Unexpected Sulfinamideâ€Ðirected<br>Conjugate Addition Results. Asian Journal of Organic Chemistry, 2019, 8, 1041-1044.               | 2.7  | 2         |
| 10 | A Survey of the Structures of US FDA Approved Combination Drugs. Journal of Medicinal Chemistry, 2019, 62, 4265-4311.   | 6.4  | 164       |
| 11 | Analysis of US FDA-Approved Drugs Containing Sulfur Atoms. Topics in Current Chemistry Collections, 2019, , 1-34.   | 0.5  | 46        |
| 12 | Analysis of US FDA-Approved Drugs Containing Sulfur Atoms. Topics in Current Chemistry, 2018, 376, 5.   | 5.8  | 567       |
| 13 | [2.2.2]- to [3.2.1]-Bicycle Skeletal Rearrangement Approach to the Gibberellin Family of Natural<br>Products. Organic Letters, 2018, 20, 2993-2996.   | 4.6  | 9         |
| 14 | Review of synthetic approaches toward maoecrystal V. Organic and Biomolecular Chemistry, 2018, 16, 4210-4222.   | 2.8  | 7         |
| 15 | Asymmetric Vinylogous Aza-Darzens Approach to Vinyl Aziridines. Organic Letters, 2018, 20, 4942-4945.   | 4.6  | 14        |
| 16 | From Oxiranes to Oligomers: Architectures of U.S. FDA Approved Pharmaceuticals Containing Oxygen<br>Heterocycles. Journal of Medicinal Chemistry, 2018, 61, 10996-11020.                          | 6.4  | 222       |
| 17 | Dearomatization Approach to 2-Trifluoromethylated Benzofuran and Dihydrobenzofuran Products.<br>Organic Letters, 2017, 19, 3508-3511.   | 4.6  | 30        |
| 18 | New Class of Anion-Accelerated Amino-Cope Rearrangements as Gateway to Diverse Chiral Structures.<br>Journal of the American Chemical Society, 2017, 139, 13141-13146.                            | 13.7 | 26        |

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|----|---|------|-----------|
| 19 | Double-Diels–Alder Approach to Maoecrystal V. Unexpected C–C Bond-Forming Fragmentations of the<br>[2.2.2]-Bicyclic Core. Organic Letters, 2017, 19, 5316-5319.   | 4.6  | 11        |
| 20 | Anionic Cascade Routes to Sulfur and Nitrogen Heterocycles Originating from Thio―and<br>Aminophosphate Precursors. European Journal of Organic Chemistry, 2016, 2016, 4249-4259.                                      | 2.4  | 7         |
| 21 | Metalâ€Free Synthesis of Fluorinated Indoles Enabled by Oxidative Dearomatization. Angewandte Chemie<br>- International Edition, 2016, 55, 2243-2247.   | 13.8 | 35        |
| 22 | Metalâ€Free Synthesis of Fluorinated Indoles Enabled by Oxidative Dearomatization. Angewandte Chemie, 2016, 128, 2283-2287.   | 2.0  | 10        |
| 23 | A Mild <i>meta</i> â€5elective C–H Alkylation of Catechol Monoâ€Ethers. European Journal of Organic<br>Chemistry, 2016, 2016, 3679-3683.  | 2.4  | 12        |
| 24 | Asymmetric [3+2] Annulation Approach to 3â€Pyrrolines: Concise Total Syntheses of (â^')â€Supinidine,<br>(â~')â€Isoretronecanol, and (+)â€Elacomine. Angewandte Chemie - International Edition, 2015, 54, 13706-13710. | 13.8 | 41        |
| 25 | The Realization of an Oxidative Dearomatization–Intramolecular Diels–Alder Route to Vinigrol.<br>Strategies and Tactics in Organic Synthesis, 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. Organic Letters, 2015, 17, 4030-4033.  | 4.6  | 11        |
| 27 | Ring Expansions of Oxiranes and Oxetanes. Topics in Heterocyclic Chemistry, 2015, , 281-309.  | 0.2  | 6         |
| 28 | Formation of fused aromatic architectures via an oxidative dearomatization—radical cyclization rearomatization approach. Tetrahedron Letters, 2015, 56, 3550-3552.  | 1.4  | 7         |
| 29 | Synthetic approaches and total syntheses of vinigrol, a unique diterpenoid. Tetrahedron, 2015, 71, 3775-3793.   | 1.9  | 18        |
| 30 | A Scalable Rhodium atalyzed Intermolecular Aziridination Reaction. Angewandte Chemie -<br>International Edition, 2014, 53, 4278-4280.   | 13.8 | 12        |
| 31 | Mild stereoselective formation of tri- and tetrasubstituted olefins by regioselective ring opening of 1,1-disubstituted vinyl oxiranes with dialkyl dithiophosphates. Tetrahedron Letters, 2014, 55, 3232-3234.       | 1.4  | 12        |
| 32 | Data-Mining for Sulfur and Fluorine: An Evaluation of Pharmaceuticals To Reveal Opportunities for<br>Drug Design and Discovery. Journal of Medicinal Chemistry, 2014, 57, 2832-2842.                                  | 6.4  | 1,080     |
| 33 | Evolution of an oxidative dearomatization enabled total synthesis of vinigrol. Organic and<br>Biomolecular Chemistry, 2014, 12, 330-344.  | 2.8  | 37        |
| 34 | Beyond C, H, O, and N! Analysis of the Elemental Composition of U.S. FDA Approved Drug Architectures.<br>Journal of Medicinal Chemistry, 2014, 57, 9764-9773.   | 6.4  | 238       |
| 35 | Analysis of the Structural Diversity, Substitution Patterns, and Frequency of Nitrogen Heterocycles among U.S. FDA Approved Pharmaceuticals. Journal of Medicinal Chemistry, 2014, 57, 10257-10274.                   | 6.4  | 3,996     |
| 36 | Base mediated deprotection strategies for trifluoroethyl (TFE) ethers, a new alcohol protecting group. Tetrahedron Letters, 2013, 54, 7080-7082.  | 1.4  | 18        |

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|----|--|------|-----------|
| 37 | Ring Expansions of Vinyloxiranes, -thiiranes, and -aziridines: Synthetic Approaches, Challenges, and<br>Catalytic Success Stories. Journal of Organic Chemistry, 2013, 78, 9533-9540.  | 3.2  | 88        |
| 38 | An In- <i>Pharm</i> -ative Educational Poster Anthology Highlighting the Therapeutic Agents That<br>Chronicle Our Medicinal History. Journal of Chemical Education, 2013, 90, 1403-1405.                                       | 2.3  | 40        |
| 39 | Mechanism and the Origins of Stereospecificity in Copper-Catalyzed Ring Expansion of Vinyl Oxiranes:<br>A Traceless Dual Transition-Metal-Mediated Process. Journal of the American Chemical Society, 2013,<br>135, 1471-1475. | 13.7 | 30        |
| 40 | Syntheses and Structural Confirmations of Members of a Heterocycleâ€Containing Family of Labdane<br>Diterpenoids. Angewandte Chemie - International Edition, 2013, 52, 1543-1547.  | 13.8 | 27        |
| 41 | Recent Advances in the Metal-Catalyzed Ring Expansions of Three- and Four-Membered Rings. ACS<br>Catalysis, 2013, 3, 272-286.  | 11.2 | 278       |
| 42 | Total Synthesis of Vinigrol. Angewandte Chemie - International Edition, 2013, 52, 8648-8651.   | 13.8 | 66        |
| 43 | Catalytic Ring Expansion Adventures. Synlett, 2013, 24, 787-803.   | 1.8  | 37        |
| 44 | Pharmaceutical structure montages as catalysts for design and discovery. Future Medicinal Chemistry, 2012, 4, 951-954.   | 2.3  | 1         |
| 45 | Chemistry By Design: A Web-Based Educational Flashcard for Exploring Synthetic Organic Chemistry.<br>Journal of Chemical Education, 2012, 89, 1080-1082.   | 2.3  | 9         |
| 46 | New mechanistic insights into the copper catalyzed ring expansion of vinyl aziridines: evidence in support of a copper(i) mediated pathway. Chemical Science, 2012, 3, 3321.   | 7.4  | 31        |
| 47 | Intermolecular Oxonium Ylide Mediated Synthesis of Medium-Sized Oxacycles. Organic Letters, 2012, 14, 378-381.   | 4.6  | 54        |
| 48 | Distinct biological effects of golgicide a derivatives on larval and adult mosquitoes. Bioorganic and<br>Medicinal Chemistry Letters, 2012, 22, 5177-5181.   | 2.2  | 5         |
| 49 | Synthesis of allylic and homoallylic alcohols from unsaturated cyclic ethers using a mild and selective C–O reduction approach. Chemical Communications, 2012, 48, 7844.   | 4.1  | 43        |
| 50 | Catalytic Ring Expansion of Vinyl Oxetanes: Asymmetric Synthesis of Dihydropyrans Using Chiral<br>Counterion Catalysis. Angewandte Chemie - International Edition, 2012, 51, 5675-5678.  | 13.8 | 77        |
| 51 | Efficient Synthesis of Thiopyrans Using a Sulfurâ€Enabled Anionic Cascade. Angewandte Chemie -<br>International Edition, 2012, 51, 1938-1941.  | 13.8 | 20        |
| 52 | An efficient oxidative dearomatization–radical cyclization approach to symmetrically substituted bicyclic guttiferone natural products. Chemical Communications, 2011, 47, 209-211.  | 4.1  | 33        |
| 53 | Stereospecific Ring Expansion of Chiral Vinyl Aziridines. Organic Letters, 2011, 13, 1110-1113.  | 4.6  | 64        |
| 54 | Emergence of potent inhibitors of metastasis in lung cancer via syntheses based on migrastatin.<br>Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 15074-15078.                    | 7.1  | 45        |

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|----|--|------|-----------|
| 55 | Synthetic efforts toward [3.3.1] bridged bicyclic phloroglucinol natural products. Tetrahedron, 2011, 67, 7631-7666.   | 1.9  | 85        |
| 56 | Stereoselective Ring Expansion of Vinyl Oxiranes: Mechanistic Insights and Natural Product Total Synthesis. Angewandte Chemie - International Edition, 2010, 49, 1648-1651.  | 13.8 | 54        |
| 57 | The strategic marriage of method and motif. Total synthesis of varitriol. Tetrahedron, 2010, 66, 4832-4840.  | 1.9  | 34        |
| 58 | Confirmation of the structures of synthetic derivatives of migrastatin in the light of recently disclosed crystallographically based claims. Tetrahedron Letters, 2010, 51, 3873-3875.   | 1.4  | 17        |
| 59 | A Graphical Journey of Innovative Organic Architectures That Have Improved Our Lives. Journal of<br>Chemical Education, 2010, 87, 1348-1349.   | 2.3  | 782       |
| 60 | Thieme Chemistry Journal Awardees - Where are They Now? Efforts towards the Total Synthesis of Vinigrol. Synlett, 2009, 2009, 23-27.   | 1.8  | 4         |
| 61 | A Concise Ringâ€Expansion Route to the Compact Core of Platensimycin. Angewandte Chemie -<br>International Edition, 2009, 48, 8543-8546.   | 13.8 | 74        |
| 62 | An Adler–Becker oxidation approach to vinigrol. Tetrahedron Letters, 2009, 50, 1684-1686.  | 1.4  | 38        |
| 63 | Rapid Assembly of Vinigrol's Unique Carbocyclic Skeleton. Organic Letters, 2009, 11, 4492-4495.  | 4.6  | 60        |
| 64 | Creative approaches towards the synthesis of 2,5-dihydro- furans, thiophenes, and pyrroles. One method does not fit all!. Organic and Biomolecular Chemistry, 2009, 7, 1761.   | 2.8  | 81        |
| 65 | An Efficient Substrateâ€Controlled Approach Towards Hypoestoxide, a Member of a Family of<br>Diterpenoid Natural Products with an Insideâ€Out [9.3.1]Bicyclic Core. Angewandte Chemie -<br>International Edition, 2008, 47, 9450-9453. | 13.8 | 22        |
| 66 | Lewis Acid Catalyzed [1,3]-Sigmatropic Rearrangement of Vinyl Aziridines. Organic Letters, 2008, 10, 5023-5026.  | 4.6  | 75        |
| 67 | Tumor Targeting with Antibody-Functionalized, Radiolabeled Carbon Nanotubes. Journal of Nuclear<br>Medicine, 2007, 48, 1180-1189.  | 5.0  | 414       |
| 68 | Highly Selective Copper-Catalyzed Ring Expansion of Vinyl Thiiranes:  Application to Synthesis of Biotin<br>and the Heterocyclic Core of Plavix. Journal of the American Chemical Society, 2007, 129, 2768-2769.                       | 13.7 | 69        |
| 69 | PET Imaging of Soluble Yttrium-86-Labeled Carbon Nanotubes in Mice. PLoS ONE, 2007, 2, e907.   | 2.5  | 169       |
| 70 | Copper-Catalyzed Rearrangement of Vinyl Oxiranes. Journal of the American Chemical Society, 2006, 128, 16054-16055.  | 13.7 | 80        |
| 71 | Synthetic analogues of migrastatin that inhibit mammary tumor metastasis in mice. Proceedings of the<br>National Academy of Sciences of the United States of America, 2005, 102, 3772-3776.  | 7.1  | 153       |
| 72 | Discovery of Potent Cell Migration Inhibitors through Total Synthesis:  Lessons from<br>Structureâ ''Activity Studies of (+)-Migrastatin. Journal of the American Chemical Society, 2004, 126,<br>1038-1040.                           | 13.7 | 161       |

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| 73 | The Migrastatin Family:Â Discovery of Potent Cell Migration Inhibitors by Chemical Synthesis. Journal of the American Chemical Society, 2004, 126, 11326-11337.   | 13.7 | 168       |
| 74 | Application of phenolic oxidation chemistry in synthesis: preparation of the BCE ring system of ryanodine. Tetrahedron, 2003, 59, 8855-8858.  | 1.9  | 29        |
| 75 | The Total Synthesis of (+)-Migrastatin. Journal of the American Chemical Society, 2003, 125, 6042-6043.   | 13.7 | 103       |
| 76 | The Art of Innovation in Organic Chemistry:Â Synthetic Efforts toward the Phomoidrides. Chemical<br>Reviews, 2003, 103, 2691-2728.  | 47.7 | 54        |
| 77 | Total Syntheses of [17]- and [18]Dehydrodesoxyepothilones B via a Concise Ring-Closing<br>Metathesis-Based Strategy:Â Correlation of Ring Size with Biological Activity in the Epothilone Series.<br>Journal of Organic Chemistry, 2002, 67, 7737-7740. | 3.2  | 50        |
| 78 | Highly Concise Routes to Epothilones:Â The Total Synthesis and Evaluation of Epothilone 490. Journal of the American Chemical Society, 2002, 124, 9825-9832.  | 13.7 | 113       |
| 79 | Reactive Dienes:  Intramolecular Aromatic Oxidation of 3-(2-Hydroxyphenyl)-propionic Acids. Organic<br>Letters, 2002, 4, 493-496.   | 4.6  | 69        |
| 80 | CP-263,114 synthetic studies. Construction of an isotwistane ring system via rhodium carbenoid C–H<br>insertion. Tetrahedron, 2002, 58, 6545-6554.  | 1.9  | 26        |
| 81 | An Expeditious Approach toward the Total Synthesis of CP-263,114. Organic Letters, 2001, 3, 2435-2438.  | 4.6  | 51        |
| 82 | Evolution of a Synthetic Approach to CP-263,114. Organic Letters, 2001, 3, 2431-2434.   | 4.6  | 42        |
| 83 | A Concise Synthetic Route to Pure Isomers of the Antifungal Agents (E)- and<br>(Z)-1,2-Diaryl-3-(1-imidazolyl)-1-propenes Acta Chemica Scandinavica, 1995, 49, 423-427.   | 0.7  | 5         |
| 84 | A facile synthesis of α-phosphono esters through methoxycarbonylation of α-phosphono carbanions.<br>Tetrahedron Letters, 1994, 35, 9071-9072.   | 1.4  | 6         |