

# Shawn K Collins

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

64  
papers

2,148  
citations

26  
h-index

45  
g-index

71  
ext. papers

2,430  
ext. citations

7.3  
avg, IF

5.58  
L-index

#	Paper	IF	Citations
64	Computational Insight into Cu-Catalyzed C-S Coupling to Form a Macrocyclic Alkynyl Sulfide. <i>Journal of Organic Chemistry</i> , <b>2021</b> , 86, 5120-5128	4.2	0
63	Heteroleptic Copper-Based Complexes for Energy-Transfer Processes: E-Z Isomerization and Tandem Photocatalytic Sequences. <i>ACS Catalysis</i> , <b>2021</b> , 11, 8829-8836	13.1	5
62	Implementing flow chemistry in education: the NSERC CREATE program in continuous flow science. <i>Journal of Flow Chemistry</i> , <b>2021</b> , 11, 13-17	3.3	
61	Evaluating heteroleptic copper(I)-based complexes bearing extended diimines in different photocatalytic processes. <i>Canadian Journal of Chemistry</i> , <b>2020</b> , 98, 461-465	0.9	4
60	A synthetic guide to alkynyl sulfides. <i>Organic and Biomolecular Chemistry</i> , <b>2020</b> , 18, 4885-4893	3.9	5
59	Biocatalytic synthesis of planar chiral macrocycles. <i>Science</i> , <b>2020</b> , 367, 917-921	33.3	26
58	General Cu-Catalyzed C-S Coupling. <i>Organic Letters</i> , <b>2020</b> , 22, 5905-5909	6.2	8
57	Synthesis and Diversification of Macrocyclic Alkynediyl Sulfide Peptides. <i>Chemistry - A European Journal</i> , <b>2020</b> , 26, 14575-14579	4.8	3
56	Bifunctional Copper-Based Photocatalyst for Reductive Pinacol-Type Couplings. <i>ACS Catalysis</i> , <b>2019</b> , 9, 9458-9464	13.1	36
55	Synthesis of a Renewable Macrocyclic Musk: Evaluation of Batch, Microwave, and Continuous Flow Strategies. <i>Organic Process Research and Development</i> , <b>2019</b> , 23, 283-287	3.9	16
54	Photochemical Cobalt-Catalyzed Hydroalkynylation To Form 1,3-Enynes. <i>ACS Catalysis</i> , <b>2019</b> , 9, 3213-3218	13.1	37
53	Continuous Flow Science in an Undergraduate Teaching Laboratory: Bleach-Mediated Oxidation in a Biphasic System. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 1069-1072	2.4	8
52	Heteroleptic Copper(I)-Based Complexes for Photocatalysis: Combinatorial Assembly, Discovery, and Optimization. <i>Angewandte Chemie - International Edition</i> , <b>2018</b> , 57, 5477-5481	16.4	99
51	Heteroleptic Copper(I)-Based Complexes for Photocatalysis: Combinatorial Assembly, Discovery, and Optimization. <i>Angewandte Chemie</i> , <b>2018</b> , 130, 5575-5579	3.6	21
50	Photocatalytic Appel reaction enabled by copper-based complexes in continuous flow. <i>Beilstein Journal of Organic Chemistry</i> , <b>2018</b> , 14, 2730-2736	2.5	9
49	Exploiting Photochemical Processes in Multi-Step Continuous Flow: Derivatization of the Natural Product Clausine C. <i>ChemPhotoChem</i> , <b>2018</b> , 2, 855-859	3.3	9
48	Continuous Flow Science in an Undergraduate Teaching Laboratory: Photocatalytic Thiole Reaction Using Visible Light. <i>Journal of Chemical Education</i> , <b>2018</b> , 95, 1073-1077	2.4	12

47	Total Synthesis of Neomarchantin A: Key Bond Constructions Performed Using Continuous Flow Methods. <i>Organic Letters</i> , <b>2017</b> , 19, 2889-2892	6.2	8
46	Photochemical intramolecular amination for the synthesis of heterocycles. <i>Green Chemistry</i> , <b>2017</b> , 19, 4798-4803	10	32
45	Photochemical Dual-Catalytic Synthesis of Alkynyl Sulfides. <i>Angewandte Chemie - International Edition</i> , <b>2017</b> , 56, 12255-12259	16.4	44
44	Photochemical Dual-Catalytic Synthesis of Alkynyl Sulfides. <i>Angewandte Chemie</i> , <b>2017</b> , 129, 12423-12427	3.6	11
43	Alternative Strategies for the Construction of Macrocycles <b>2017</b> , 307-337		2
42	Phase Separation Macrocyclization in a Complex Pharmaceutical Setting: Application toward the Synthesis of Vaniprevir. <i>Journal of Organic Chemistry</i> , <b>2017</b> , 82, 7576-7582	4.2	11
41	Photochemical Synthesis of Carbazoles Using an [Fe(phen)](NTf) <sub>2</sub> /O Catalyst System: Catalysis toward Sustainability. <i>Organic Letters</i> , <b>2016</b> , 18, 4994-4997	6.2	54
40	Catalytic Macrocyclization Strategies Using Continuous Flow: Formal Total Synthesis of Ivorenolide A. <i>Journal of Organic Chemistry</i> , <b>2016</b> , 81, 6750-6	4.2	12
39	Heteroleptic Cu-Based Sensitizers in Photoredox Catalysis. <i>Accounts of Chemical Research</i> , <b>2016</b> , 49, 1557-1565	7.65	154
38	Solvent and Additive Effects on Olefin Metathesis <b>2015</b> , 343-377		2
37	Efficient continuous-flow synthesis of macrocyclic triazoles. <i>Journal of Flow Chemistry</i> , <b>2015</b> , 5, 142-144	3.3	6
36	Photochemical Synthesis of Complex Carbazoles: Evaluation of Electronic Effects in Both UV- and Visible-Light Methods in Continuous Flow. <i>Chemistry - A European Journal</i> , <b>2015</b> , 21, 16673-8	4.8	32
35	Direct synthesis of macrodiolides via hafnium(IV) catalysis. <i>Chemical Communications</i> , <b>2015</b> , 51, 10471-4	5.8	11
34	Direct Macrolactonization of Seco Acids via Hafnium(IV) Catalysis. <i>ACS Catalysis</i> , <b>2015</b> , 5, 1462-1467	13.1	21
33	Enantioselective Olefin Metathesis <b>2014</b> , 233-267		8
32	Macrocyclic olefin metathesis at high concentrations by using a phase-separation strategy. <i>Chemistry - A European Journal</i> , <b>2014</b> , 20, 12763-7	4.8	5
31	Advanced strategies for efficient macrocyclic Cu(I)-catalyzed cycloaddition of azides. <i>Organic Letters</i> , <b>2014</b> , 16, 5286-9	6.2	25
30	Cu(Xantphos)(dmp)BF <sub>4</sub> <b>2014</b> , 1-3		

29	Synthesis of Chiral C 1-Symmetric N-Heterocyclic Carbene Ligands: Application toward Copper-Catalyzed Homocoupling of 2-Naphthols. <i>Synthesis</i> , <b>2014</b> , 46, 375-380	2.9	2
28	Synthesis of a Carprofen Analogue Using a Continuous Flow UV-Reactor. <i>Organic Process Research and Development</i> , <b>2014</b> , 18, 1571-1574	3.9	19
27	A visible-light-mediated synthesis of carbazoles. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 12696-700	16.4	171
26	Synthesis, crystal structure and photophysical properties of pyrene-helicene hybrids. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 16295-302	4.8	62
25	Influence of Poly(ethylene glycol) Structure in Catalytic Macrocyclization Reactions. <i>ACS Catalysis</i> , <b>2013</b> , 3, 773-782	13.1	10
24	Continuous flow macrocyclization at high concentrations: synthesis of macrocyclic lipids. <i>Green Chemistry</i> , <b>2013</b> , 15, 1962	10	20
23	Heterocoupling of 2-naphthols enabled by a copper-N-heterocyclic carbene complex. <i>Chemical Communications</i> , <b>2013</b> , 49, 1835-7	5.8	22
22	A Visible-Light-Mediated Synthesis of Carbazoles. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 12928-12932	3.6	46
21	Exploiting aggregation to achieve phase separation in macrocyclization. <i>Chemistry - A European Journal</i> , <b>2013</b> , 19, 2108-13	4.8	10
20	Toward a visible light mediated photocyclization: Cu-based sensitizers for the synthesis of [5]helicene. <i>Organic Letters</i> , <b>2012</b> , 14, 2988-91	6.2	95
19	Microwave accelerated Glaser-Hay macrocyclizations at high concentrations. <i>Chemical Communications</i> , <b>2012</b> ,	5.8	23
18	Phase separation as a strategy toward controlling dilution effects in macrocyclic Glaser-Hay couplings. <i>Journal of the American Chemical Society</i> , <b>2011</b> , 133, 19976-81	16.4	65
17	Introduction of axial chirality in a planar aromatic ligand results in chiral recognition with DNA. <i>Journal of Molecular Recognition</i> , <b>2011</b> , 24, 288-94	2.6	12
16	Desymmetrizations forming tetrasubstituted olefins using enantioselective olefin metathesis. <i>Organic Letters</i> , <b>2010</b> , 12, 2032-5	6.2	59
15	Efficient macrocyclization achieved via conformational control using intermolecular noncovalent $\pi$ - $\pi$ interaction/arene interactions. <i>Journal of the American Chemical Society</i> , <b>2010</b> , 132, 12790-1	16.4	46
14	Synthesis of C(1)-symmetric BINOLs employing N-heterocyclic carbene-copper complexes. <i>Chemistry - A European Journal</i> , <b>2009</b> , 15, 9655-9	4.8	26
13	Exploiting quadrupolar interactions in the synthesis of the macrocyclic portion of longithorone C. <i>Organic Letters</i> , <b>2008</b> , 10, 2927-30	6.2	21
12	Mechanistically inspired catalysts for enantioselective desymmetrizations by olefin metathesis. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 8690-5	4.8	47

11	Enantioselective synthesis of [7]helicene: dramatic effects of olefin additives and aromatic solvents in asymmetric olefin metathesis. <i>Chemistry - A European Journal</i> , <b>2008</b> , 14, 9323-9	4.8	146
10	A Highly Active Chiral Ruthenium-Based Catalyst for Enantioselective Olefin Metathesis. <i>Organometallics</i> , <b>2007</b> , 26, 2945-2949	3.8	71
9	Development of perfluoroarene-arene interactions for macrocyclic en-yne metathesis and the total synthesis of macrocyclic natural products. <i>Journal of Organic Chemistry</i> , <b>2007</b> , 72, 6397-408	4.2	31
8	Exploitation of perfluorophenyl-phenyl interactions for achieving difficult macrocyclizations by using ring-closing metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 968-73	16.4	53
7	Preparation of helicenes through olefin metathesis. <i>Angewandte Chemie - International Edition</i> , <b>2006</b> , 45, 2923-6	16.4	125
6	Exploitation of Perfluorophenyl-Phenyl Interactions for Achieving Difficult Macrocyclizations by Using Ring-Closing Metathesis. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 982-987	3.6	17
5	Preparation of Helicenes through Olefin Metathesis. <i>Angewandte Chemie</i> , <b>2006</b> , 118, 2989-2992	3.6	42
4	Unlocking the potential of thiaheterohelicenes: chemical synthesis as the key. <i>Organic and Biomolecular Chemistry</i> , <b>2006</b> , 4, 2518-24	3.9	132
3	Development of quadrupolar engaging auxiliaries as novel gearing elements for macrocyclization. <i>Pure and Applied Chemistry</i> , <b>2006</b> , 78, 783-789	2.1	11
2	Preparation of cyclic molecules bearing strained olefins using olefin metathesis. <i>Journal of Organometallic Chemistry</i> , <b>2006</b> , 691, 5122-5128	2.3	28
1	Decomposition of Lignin Models Enabled by Copper-Based Photocatalysis Under Biphasic Conditions. <i>Green Chemistry</i> ,	10	0