M. KEVIN BROWN

Indiana University
Department of Chemistry
800 E. Kirkwood Ave. Bloomington, IN

Office Phone: 812-856-9114
e-mail: brownmkb@indiana.edu

■APPOINTMENTS

2021-present, James F. Jackson Professor of Chemistry
Indiana University, Bloomington, IN
Department of Chemistry

2017-2021, Associate Professor
Indiana University, Bloomington, IN
Department of Chemistry

2011-2017, Assistant Professor,
Indiana University, Bloomington, IN
Department of Chemistry

2008-2011, National Institutes of Health Postdoctoral Fellow
Harvard University, Boston, MA
Research Advisor: Professor E. J. Corey

■EDUCATION

2002-2008, Boston College, Boston, MA
Ph.D., Organic Chemistry
Thesis Advisor: Professor Amir H. Hoveyda

1998-2002, Hamilton College, Clinton, NY
B.A., Chemistry (Honors)
Thesis Advisor: Professor Ian J. Rosenstein

■RESEARCH

AWARDS

- 2020 *Humboldt Fellowship for Experienced Researchers*
- 2019 *Outstanding Reviewer, Chemical Science*
- 2019 *NIH MIRA for Established Investigators*

- 2016 *Novartis Early Career Award*
- 2016 *Amgen Young Investigator Award*
- 2016 *National Science Foundation CAREER Award*, 2016
- 2015 *Sloan Research Fellowship*, 2015
- 2014 *IU Trustees Teaching Award*, 2014
- *2013 Thieme Chemistry Journal Awardee*, 2013
- 2008-2011 *National Institutes of Health, Ruth L. Kirschstein National Research Service Award,* Harvard University, 2008-2011
- 2010 *ESF Research Conference on Natural Products Chemistry, Biology and Medicine III, Travel Award.* European Science Foundation, 2010
- 2007 *Bristol-Myers Squibb Graduate Fellowship in Synthetic Organic Chemistry*, Sponsored by Bristol-Myers Squibb
- 2006 *Graduate School of Arts and Sciences Academic Achievement Award* Boston College
- 2006 *Excellence in Chemistry Award*, Roche Biosciences
- 2005 *Graduate Fellowship in Organic Chemistry*, American Chemical Society, Sponsored by Schering-Plough
- 2002 *Underwood Prize in Chemistry,* Hamilton College
- 2002 *Elihu Root Fellowship,* Hamilton College
- 2002 *Sigma Xi Scientific Research Society***,** Hamilton College

SEMINARS

123) *Banff Symposium on Organic Chemistry*, October 2023
122) *ACS Meeting San Francisco*, August 2023
121) *ACS Meeting Indianapolis (2)*, March 2023
120) *ACS Meeting Indianapolis (1)*, March 2023
119) *CAS Meeting Calgary*, June 2023
118) *Genentech*, February 2023
117) *UT – Dallas,* February 2023
116) *West Virginia University*, November 2022
115) *SpiroChem AG* (Virtual), October 2022
114) *ACS Meeting Chicago (2)*, August 2022
113) *ACS Meeting Chicago (1)*, August 2022
112) *Boron in the Americas Conference*, June 2022
111) *Canadian Chemistry Conference and Exhibition (2)*, June 2022
110) *Canadian Chemistry Conference and Exhibition (1)*, June 2022
109) *City University New York,* May 2022 (Virtual)
108) *Penn State University*, April 2022
107) *ACS Meeting San Diego*, March 2022
106) *Bingham Young University*, February 2022
105) *3rd Alpine Winter Conference on Medicinal and Synthetic Chemistry*, January 2022 (Virtual)

104) *University of Mainz*, December 2021
103) *University of Munster*, December 2021
102) *Ludwig Maximilians University*, November 2021
101) *University of Basel*, November 2021
100) *Spirochem*, November 2021
99) *Novartis, Basel*, November 2021
98) *Valparaiso University*, October 2021 (Virtual)
97) *Relay Therapeutics*, October 2021
96) *National University Singapore*, September 2021 (Virtual)
95) *Abbive*, September 2021 (Virtual)
94) *ACS Meeting Atlanta*, August 2021(Virtual)
93) *George Mason University,* April 2021 (Virtual)
92) *Illinois State University*, April 2021 (Virtual)
91) *Heriot-Watt University*, March 2021 (Virtual)
90) *Hamilton College*, October 2020 (Virtual)
89) *Missouri State*, September 2020 (Virtual)
88) *IIT Guwahati* August 2020 (Virtual)
87) *FloHet Conference*, March 2020
86) *ISMMS-5 Conference, Japan*, November 2019
85) *Kyoto University*, November 2019
84) *University of Tokyo*, November 2019
83) *Waseda Univerisity*, November 2019
82) *Boston College*, May 2019
81) *Togni University*, May 2019
80) *Shanghai Institute of Organic Chemistry*, May 2019
79) *Fudan University*, May 2019
78) *East China Normal University*, May 2019
77) *Zhejiang University*, May 2019
76) *University of Science and Technology of China*, May 2019
75) *Saint Louis University*, April 2019
74) *Hope College*, March 2019
73) *Calvin College*, March 2019
72) *Grand Valley State University*, March 2019
71) *Celgene*, December 2018
70) *University of Alberta*, October 2018
69) *Corteva Agriscience*, August 2018
68) *University of Pennsylvania*, May 2018
67) *Drexel University*, May 2018
66) *Temple University*, May 2018
65) *Yale University*, March 2018
64) *IISc Bangalore*, December 2017
63) *Indo-US Bilateral Meeting on Organometallic Chemistry*, December 2017

62) *IIT Bombay*, December 2017
61) *SERMACS*, November 2017
60) *Boston University, "Novartis Lecture"*, October 2017
59) *Relay Therapeutics,* July 2017
58) *Novartis Early Career Award Symposium*, June 2017
57) *Dartmouth College*, May 2017
56) *Amgen Young Investigator Award Symposium*, October 2016
55) *University of Illinois*, October 2016
54) *Watanabe Symposium*, October 2016
53) *Chicago Organic Symposium*, October 2016
52) *Gilead Seattle / University of Washington Lecture Series*, September 2016
51) *Gordon Research Conference on Organic Reactions and Processes*, July 2016
50) *French-American Chemical Society Meeting*, June 2016
49) *University of Michigan,* May 2016
48) *Princeton University*, April 2016
47) *Vanderbilt University*, April 2016
46) *University of Illinois at Chicago*, April 2016
45) *Northwestern University*, April 2016
44) *University of California – Irvine*, April 2016
43) *Pfizer – La Jolla*, April 2016
42) *Scripps Research Institute – La Jolla*, April 2016
41) *Duke University*, March 2016
40) *University of North Carolina – Chapel Hill*, March 2016
39) *North Carolina State*, March 2016
38) *Massachusetts Institute of Technology*, March 2016
37) *University of Wisconsin*, March 2016
36) *University of Minnesota*, March 2016
35) *Colorado State University*, February 2016
34) *Pennsylvania State University*, February 2016
33) *University of Texas – Austin*, January 2016
32) *Baylor University*, January 2016
31) *University of Texas Southwestern Medical Center*, January 2016
30) *Notre Dame*, January 2016
29) *Biogen*, November 2015
28) *University of Utah*, October 2015
27) *University of Pittsburgh*, October 2015
26) *UCLA "Pfizer-UCLA Lectureship"*, October 2015
25) *California Institute of Technology*, October 2015
24) *University of Iowa*, October 2015
23) *Iowa State University*, October 2015
22) *Scripps Research Institute – Jupiter*, October 2015
21) *The Ohio State University*, September 2015

20) *Eli Lilly and Co.*, August 2015
19) *JOC/OL Symposium,* ACS Meeting Boston, August 2015
18) *Young Academic Investigators Symposium*, ACS Meeting Boston, August 2015
17) *Bristol-Myers Squibb – Process Chemistry Department,* August 2015
16) *Bristol-Myers Squibb – Discovery Chemistry Department,* August 2015
15) *Gordon Research Conference on Natural Products*, July 2015
14) *Canadian Society of Chemistry Conference*, June 2015
13) *Hamilton College*, November 2014
12) *SUNY Buffalo*, November 2014
11) *University of Rochester*, November 2014
10) *Syracuse University,* November 2014
9) *Butler University*, October 2014
8) *Gordon Research Conference on Stereochemistry* ("Poster Talk"), July 2014
7) *Illinois Wesleyan University*, April 2014
6) *Indiana University Purdue University Indianapolis,* March 2014
5) *Olivet Nazarene University*, February 2014
4) *Hunter College, CUNY* October 2013
3) *Brooklyn College*, *CUNY* September 2013
2) *DePauw University*, September 2013
1) *Western Kentucky University,* October 2012

GRANT SUPPORT

• 2019-2024: National Institutes of Health Maximizing Investigators Research Award: R35GM131755 "*Methods and Strategies for Chemical Synthesis*"
• 2022-Present: SprioChem *"Development of New Classes of Strained Building Blocks"*
• 2016: Novartis Early Career Award
• 2016: Amgen Young Investigator Award,
• 2016-2021: National Science Foundation: CAREER Award - 1554760. "*New Methods for Cu-Catalyzed Cross-Coupling Reactions*"
• 2015-2020: National Institutes of Health: 1R01GM114443. "*Development of New Catalytic Reactions for Chemical Synthesis*."
• 2015-2019: National Institutes of Health: 1R01GM110131. "*Stereoselective Reactions for the Chemical Synthesis of Bioactive Compounds.*"
• 2015: Sloan Foundation Fellowship.
• 2014-2016: American Chemical Society, Petroleum Research Fund: "*Cu-Catalyzed Vicinal Dicarbofunctionalization of Simple Alkenes*."

CONSULTING

• 2020-present: Synthetic Chemistry Consultant for Relay Therapeutics (involves monthly meetings about synthetic chemistry challenges)

PUBLICATIONS

62) "Synthesis of complex bicyclic scaffolds by intermolecular photosensitized dearomative cycloadditions of activated alkenes and naphthalenes" Wang Wang, Yanyao Cai and M. Kevin Brown *Chem. Sci.* **2022**, *13*, 13582

61) "Boronic Ester Enabled [2+2]-Cycloaddition by Temporary Coordination: Synthesis of Artochamin J and Piperarborenine B" Yanyao Liu, Dongshun Ni and M. Kevin Brown. *J. Am. Chem. Soc.* **2022**, *144*, 18790

60) "[2]-Ladderanes as Isosteres for *Meta*-Substituted Aromatic Rings and Rigidified Cyclohexanes" Rachel C. Epplin, Shashwati Paul, Loïc Herter, Christophe Salome, Erin N. Hancock, Jay F. Larrow, Erich W. Baum, David R. Dunstan, Carol Ginsburg-Moraff, Thomas C. Fessard* and M. Kevin Brown* *Nat. Commun.* **2022**, *13*, 6056

59) "Arylboration of Enecarbamates for the Synthesis of Borylated Saturated N-Heterocycles" Grace L. Trammel, Prashansa B. Kannangara, Dmytro Vasko, Oleksandr Datsenko, Pavel Mykhailiuk and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2022**, *e202212117*

58) "Photochemical Dearomative Cycloadditions of Quinolines and Alkenes: Scope and Mechanism Studies" Renyu Guo,[a] Souvik Adak,[a] Peter Bellotti,[b] Xinfeng Gao,[a] W. Walker Smith,[a] Sam (Ngan) Le,[c] Jiajia Ma,[b] K. N. Houk,*[,d] Frank Glorius,*[,b] Shuming Chen*[,c] and M. Kevin Brown*[,a] *J. Am. Chem. Soc.* **2022**, *144*, 17680

57) "Stereoselective [2+2]-Cycloadditions of Chiral Allenic Ketones and Alkenes: Application Towards the Synthesis of Benzocyclobutenes and Endiandric Acids" Renyu Guo, Brittany P. Witherspoon, Thomas C. Fessard, and M. Kevin Brown *Tetrahedron* **2022**, *122*, 132932. *(Special issue to honor Prof. John Wood as Editor in Chief of Tetrahedron)*

56) "Strain-Release [2π-2α] Cycloaddition for the Synthesis of Bicyclo[2.1.1]hexanes Initiated by Energy Transfer" Renyu Guo**,** Yu-Che Chang**,** Loic Herter, Christophe Salome, Sarah E. Braley, Thomas C. Fessard, and M. Kevin Brown* *J. Am. Chem. Soc.* **2022**, *144*, 7988

55) "Photosensitized [2+2]-Cycloadditions of Alkenylboronates and Alkene" Yanyao Liu, Dongshun Ni, Bernard G. Stevenson, Vikrant Tripathy, Sarah E. Braley, Krishnan Raghavachari, John R. Swierk*, and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2022**, 61, *e202200725*

54) "Cooperative Pd/Cu Catalysis for Alkene Arylboration: Opportunities for Divergent Reactivty" Stanna K. Dorn and M. Kevin Brown* *ACS Catal.* **2021**, *12*, 2085

53) "Catalytic Arylboration of Spirocyclic Cyclobutenes: Rapid Access to Highly Substituted Spiro[3.n]alkanes" Amit K. Simlandy, Mao-Yun Lyu and M. Kevin Brown* *ACS Catal.* **2021**, *11*, 12815

52) "Nickel-Catalyzed Dearomative Arylboration of Indoles: Regioselective Synthesis of C2- and C3-Borylated Indolines" Grace L. Trammel, Rositha Kuniyill, Phillip F. Crook. Peng Liu,* and M. Kevin Brown* *J. Am. Chem. Soc.* **2021**, *143*, 16502

51) "Modular Synthesis of a Versatile Double-Allylation Reagents for Complex Diol Synthesis" Stanna K. Dorn, Annika E. Tharp, and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2021**, *60*, 16027

50) "Photochemical Intermolecular Dearomative Cycloadditions of Bicyclic Azaarenes with Alkenes" Jiajia Ma, Shuming Chen, Peter Bellotti, Renyu Guo, Felix Schäfer, Arne Heusler, Xiaolong Zhang, Constantin Daniliuc, M. Kevin Brown,* Kendall Houk,* and Frank Glorius,* *Science* **2021**, 371, 1338-1345.

49) "Allenylidene Induced 1,2-Metalate Rerrangements of Indole-Boronates: Diastereoselective Access to Highly Substituted Indolines" Amit K. Simlandy and M. Kevin Brown *Angew. Chem. Int. Ed.* **2021**, *60*, 12366

48) "Construction of Congested Csp^3-Csp^3 Bonds by a Formal Ni-Catalyzed Alkylboration" Amit K. Simlandy, Stephen R. Sardini and M. Kevin Brown *Chem. Sci.* **2021**, *12*, 5517.

47) "Three-Component Ni-Catalyzed Silylacylation of Alkenes" Dongshun Ni and M. Kevin Brown *ACS. Catal.* **2021**, 11, 1858-1862.

46) "Mechanism-Based Design of an Amide-Directed Ni-Catalyzed Arylboration of Cyclopentene Derivatives" Alison L. Lambright, Yanyao Liu, Isaac A. Joyner, Kaitlyn M. Logan and M. Kevin Brown *Org. Lett.* **2021**, 23, 612-616.

45) "Nickel Catalyzed Arylboration of Cyclopentene" Stephen R. Sardini *Org. Synth.* **2020**, *97*, 355-367

44) "Enantioselective Synthesis of Hippolide J and Reevaluation of Antifungal Activity" Renyu Guo, Sarah Beattie Damian J. Krysan and M. Kevin Brown *Org. Lett.* **2020** *22*, 7743-7746.

43) "Ladderane Natural Products: From the Ground Up" Erin N. Hancock and M. Kevin Brown* *Chem. Eur. J.* **2020**, *22*, 7743 (Review)

42) "Stereoselective [4+2]-Cycloaddition with Chiral Alkenylboranes" Dongshun Ni, Brittany P. Witherspoon, Hong Zhang, Chen Zhou, K. N. Houk* and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2020**, *59,* 11432

41) "Evolution of a Strategy for the Enantioselective Synthesis of (-)-Cajanusine" Renyu Guo, Brittany P. Witherspoon, and M. Kevin Brown* *J. Am. Chem. Soc.* **2020**, *142*, 5002

40) "Lessons in Strain and Stability: An Enantioselective Synthesis of (+)-[5]-Ladderanoic Acid" Erin N. Hancock, Erin L. Kuker, Dear J. Tantillo and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2020**, *59*, 436

39) "Ni-Catalyzed 1,2-Benzylboration of 1,2-Disubstituted Unactivated Alkenes" Seewon Joung, Allison M. Bergmann and M. Kevin Brown* *Chem. Sci* **2019**, *10*, 10944.

38) "Nickel-Catalyzed Arylboration of Alkenylarenes: Synthesis of Boron-Substituted Quaternary Carbons and Regiodivergent Reactions" Liang-An Chen, Alan R. Lear, Dr. Pin Gao, and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2019**, *58*, 10956.

37) "Regioselective Arylboration of 1,3-Butadiene" Allison M. Bergmann, Stephen R. Sardini, Kevin B. Smith. *Isr. J. Chem.* **2019** *(Special issue to honor Professors Buchwald's and Hartwig's receipt of the Wolf Prize)*

36) "(Hetero)arylboration of Alkynes: A Strategy for the Synthesis of a,a,-bis(hetero)arylketones" Yuan Huang, Allison M. Bergmann and M. Kevin Brown. *Org. Biomol. Chem.* **2019**, 17, 5913 *(Special issue for Trends in Organoboron Chemistry)*

35) "Thioallenoates in Catalytic Enantioselective [2+2]-Cycloadditions with Unactivated Alkenes" Michael L. Conner, Johannes M. Wiest, and M. Kevin Brown* *Tetrahedron* **2019**, *75*, 3625. *(Special issue to honor Professor Ryan Shenvi's receipt of the Tetrahedron Young Investigator Award)*

34) "Ni-Catalyzed Arylboration of Unactivated Alkenes: Scope and Mechanistic Studies" Stephen R. Sardini, Alison L. Lambright, Grace L. Trammel, Humair M. Omer, Peng Liu,* and M. Kevin Brown* *J. Am. Chem. Soc.* **2019** 141, 9391.

33) "Synthesis of Biheteroarylalkanes by Heteroarylboration: Development and Application of a Pyridylidene-Cu Complex" Yuan Huang and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2019** *58*, 6048.

32) "Recent Advances in the Synthesis of gem-Dimethylcyclobutane Natural Products" Erin N. Hancock, Johannes M. Wiest and M. Kevin Brown* *Nat. Prod. Rep.* **2019**, *36*, 1383

31) "Catalyst-Controlled 1,2- and 1,1-Arylboration of α-Alkyl Alkenylarenes" Allison M. Bergman, Stanna K. Dorn, Kevin B. Smith, Kaitlyn M. Logan and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2019** *58*, 1719.

30) "Allenoates in Enantioselective [2+2] Cycloadditions: From a Mechanistic Curiosity to a Stereospecific Transformation" Johannes M. Wiest, Michael L. Conner and M. Kevin Brown* *J. Am. Chem. Soc.* **2018** *140*, 15943.

29) "Nickel-Catalyzed Stereoselective Diarylation of Alkenylarenes" Pin Gao, Liang-An Chen and M. Kevin Brown* *J. Am. Chem. Soc.* **2018** *140*, 10653.

28) "Copper-Catalyzed Cross-Coupling of Aryl-, Primary Alkyl-, and Secondary Alkylboranes with Heteroaryl Bromides" Allison M. Bergmann, Adam M. Oldham Wei You and M. Kevin Brown* *Chem. Commun.* **2018** *54*, 5381.

27) "Copper-Catalyzed Heteroarylboration of 1,3-Dienes with 3-Bromopyridines by an Unusual Cine-Substitution" Kevin B. Smith, Yuan Huang and M. Kevin Brown* *Angew. Chem. Int. Ed*. **2018** *57*, 6146.

26) "Synthesis of (-)-Hebelophyllene E: An Entry to geminal Dimethylcyclobutanes by [2+2] Cycloaddition of Alkenes and Allenoates" Johannes M. Wiest, Michael L. Conner and M. Kevin Brown* *Angew. Chem. Int. Ed*. **2018** *57,* 4647.

25) "Nickel–Catalyzed Stereoselective Arylboration of Unactivated Alkenes" Kaitlyn M. Logan, Stephen R. Sardini, Sean D. White and M. Kevin Brown* *J. Am. Chem. Soc.* **2018**, *140*, 159-162.

24) "Synthesis of *ent*-[3]-Ladderanol: Development and Application of Intramolecular Chirality Transfer [2+2] Cycloadditions of Allenic Ketones and Alkenes" Nathan J. Line, Brittany P. Witherspoon, Erin N. Hancock and M. Kevin Brown* *J. Am. Chem. Soc.* **2017**, *139*, 14392-14395

23) "Cu-Catalyzed Borylacylation of Activated Alkenes with Acid Chlorides" Yuan Huang, Kevin B. Smith and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2017**, *56*, 13314

22) "Catalyst Controlled Regiodivergent Arylboration of Dienes" Stephen R. Sardini and M. Kevin Brown* *J. Am. Chem. Soc.* **2017**, *139*, 9823

21) "Intramolecular Chirality Transfer [2+2] Cycloaddition of Allenoates and Alkenes" Yao Xu, Dean J. Tantillo and M. Kevin Brown* *Org. Lett.* **2017**, *19*, 3703

20) "Regioselective Arylboration of Isoprene and its Derivatives by Cu/Pd Cooperative Catalysis" Kevin B. Smith and M. Kevin Brown* *J. Am. Chem. Soc.* **2017**, *139*, 7721

19) "Catalytic Enantioselective Arylboration of Alkenylarenes" Kaitlyn M. Logan and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2017**, *56*, 851

18) "Bringing Organic Chemistry to the Public: Structure and Scent in a Science Museum" M. Kevin Brown* and Laura C. Brown* *J. Chem. Ed.* **2017**, 94, 251

17) "Synthesis of Cyclobutanes by Lewis Acid-Promoted Ketene-Alkene [2+2] Cycloadditions" Christopher M. Rasik, Eleni M. Salyers and M. Kevin Brown* *Org. Syn.* **2016**, 93, 401

16) "Synthesis of 1,3-Substituted Cyclobutanes by Allenoate Alkene [2+2] Cycloaddition" Michael L. Conner and M. Kevin Brown* *J. Org. Chem.* **2016**, *81*, 8050

15) "An Unexpected Lewis Acid Catalyzed Diels-Alder Cycloaddition of Aryl Allenes and Acrylates" Michael L. Conner and M. Kevin Brown* *Tetrahedron,* **2016**, 72, 3759. *(Special issue to honor Professor Neil Garg's receipt of the Tetrahedron Young Investigator Award)*

14) "Collaborative Total Synthesis: Routes to Hippolachnin A Enabled by Quadricyclane Cycloaddition and Late-Stage C-H Oxidation" Monica E. McCallum, Christopher M. Rasik, John L. Wood,* and M. Kevin Brown* *J. Am. Chem. Soc.* **2016**, *138*, 2437

13) "Lewis Acid-Promoted [2+2] Cycloadditions of Alkenes with Aryl Ketenes" Emily M. Rigsbee, Chen Zhou, Christopher M. Rasik, Adam Z. Spitz, Adam J. Nichols and M. Kevin Brown* *Org. Biomol. Chem.* **2016,** *14*, 5477. *(Invited Submission for "New Talent Issue")*

12) "Catalytic Enantioselective Diarylation of Alkenes" Wei You and M. Kevin Brown* *J. Am. Chem. Soc.* **2015** *137*, 14578

11) "Cyclobutane and Cyclobutene Synthesis by Catalytic Enantioselective [2+2] Cycloaddition" Yao Xu and Michael L. Conner and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2015**, *54*, 11918 *(Angew. Chem. MiniReview)*

10) "Catalytic Enatioselective Alleneoate-Alkene [2+2] Cycloadditions," Michael L. Conner, Yao Xu and M. Kevin Brown* *J. Am. Chem. Soc.* **2015** *137*, 3482

9) "*Syn*- and *Anti*-Selective Carboboration of Alkenes Achieved by Cu/Pd-Synergistic Catalysis," Kaitlyn M. Logan, Kevin B. Smith and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2015,** *54,* 5228

8) "Diarylation of Alkenes by a Cu-Catalyzed Migratory Insertion/Cross Coupling Cascade," Wei You, and M. Kevin Brown* *J. Am. Chem. Soc.* **2014**, *136*, 14730

7) "Total Synthesis of Gracilioether F: Development and Applications of Lewis Acid-Promoted Ketene-Alkene [2+2]-Cycloadditions and Late Stage C-H Oxidation," Christopher M. Rasik and M. Kevin Brown* *Angew. Chem. Int. Ed.* **2014,** 53, 14522

6) "Origins of Diastereoselectivity in Lewis Acid-Promoted Ketene-Alkene [2+2] Cycloadditions," Christopher M. Rasik, Young J. Hong, Dean J. Tantillo,* and M. Kevin Brown* *Org. Lett.* **2014**, *16*, 5168

5) "Alkene Carboboration Enabled by Synergistic Catalysis," Kevin B. Smith, Kaitlyn M. Logan, Wei You and M. Kevin Brown* *Chem. Eur. J*. **2014**, 20, 12032

4) "Copper-Catalyzed Cross-Coupling of Aryl Boronic Esters with Aryl Iodides and Application to a Carboboration of Alkynes and Allenes," Yiqing Zhou, Wei You, Kevin P. Smith and M. Kevin Brown* *Angew. Chem., Int. Ed.* **2014***, 53*, 3475

3) "Intermolecular Ketene-Alkene [2+2] Cycloadditions: The Significance of Lewis Acid-Promoted Variants," Christopher M. Rasik and M. Kevin Brown* *Synlett.* **2014***, 25,* 760 *(Invited Synpact Review)*

2) "Stereoselective Synthesis of All-Carbon Tetrasubstituted Alkenes from *In Situ* Generated Ketenes and Organometallic Reagents," Wei You, Yan Li and M. Kevin Brown* *Org. Lett.* **2013** *15,* 1610

1) "Lewis Acid-Promoted Ketene-Alkene [2+2] Cycloadditions," Christopher M. Rasik and M. Kevin Brown* *J. Am. Chem. Soc.* **2013**, *135*, 1673

■SERVICE

DEPARTMENTAL AND UNIVERSITY

• 2019-2022: Chemistry Department Policy Committee
• 2019-current: Initiated Chemistry Department End of the Year Symposium
• 2017-2020: Lead PI on NSF MRI application to acquire an NMR spectrometer. Two applications were submitted in consecutive years. Will support >20 research group in the chemistry department. Funded in 2019.
• 2019: Lead PI on a CTSI proposal to acquire a cryoprobe for an NMR spectrometer. Will support >20 research group in the chemistry department. Funded in 2020.
• 2016-2017: External review committee
• 2011-current: Safety Committee, Initiated Safety Minutes at Departmental Seminars
• 2011-2019: Graduate Admissions Committee
• 2012: Chemistry Department Website Design Committee

PROFESSIONAL

• 2022-2028: Organic Syntheses Associate Editor
• 2022-2023: Member of NOS 2023 Planning Committee

• 2020-2022: Thematic Coordinator for 2023 Spring ACS Meeting
• 2022: Co-chair of session at Fall 2022 ACS Meeting: Chemistry Across the Border
• 2022: Co-chair of session at 2022 CSC Meeting: Chemistry Across the Border
• 2022: Co-chair of session at Fall 2022 ACS Meeting: Modern Method for Alkene Functionalization
• 2021: Co-chair of session at Fall 2021 ACS Meeting: Synthesis and Biological Synthesis of Anti-Infective Agents
• 2019-Present: Member-at-Large/Councilor ACS Division of Organic Chemistry. Elected position, Current serving on ACS Fellows and Symposium Planning sub-committees.
• 2019: Local Co-chair of the 2019 ACS National Organic Symposium. Co-organized 4-day conference with over 700 attendees from around the world
• 2013-2018: Designed, developed and installed a chemistry themed exhibit titled, "Smells Like Nano" at WonderLab (Local Children's Museum in Bloomington, IN) (See publication #18)
• 2012-Present: Chair (4x) and Chair-Elect (4x) of the Southern Indiana Section of the ACS, Primary roles were to sustain the Chemistry of Everyday Life and Student Selected Seminar Series.
• 2016: Co-chair of session at ACSCERM2016.
• 2015: Outreach Volunteer of the Year, Southern Indiana Local Section
• 2015: Session chair at Organic Reactions and Processes GRC
• 2014: Organized "ACS On Campus" (Networking event for undergraduate and graduate students)
• 2012-2013: Presented at WonderCamp (summer camp run by WonderLab)

Manuscript and Grant Reviewer
• 2022-2026: NIH standing study section member CSB (formally SBCB)
• Selected as a 2019 Outstanding Reviewer by the RSC Journal, Chemical Science
• 2018-present: Grant reviewer for National Science Foundation
• 2018-present: (2) Ad hoc Grant reviewer for National Institutes of Health (SBCA and SBCB)
• 2012-present: Grant reviewer for American Chemical Society
• 2011-present: Regular reviewer for ACS, Wiley, Thieme, and RSC journals

■TEACHING

• Courses taught:
• C540 Physical Organic Chemistry (S11, F12, F13, F15, F16, F17, F18): Graduate level course that all organic chemistry students take. Developed course in 2011.
• C446 Organic Chemistry 3 (S20, S21, S22, S23): Upper-level elective for students wanting further knowledge in organic chemistry.
• S343 Honors Organic Chemistry Lab 1 (S17, S18, F19, F20, F22)
• S341 Honors Organic Chemistry 1 (S13, S19)
• C341 Organic Chemistry 1 (S14, S15)