

Curriculum Vitae
Tehshik Peter Yoon
Date of birth: June 20, 1975

Department of Chemistry
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Professional Experience

Professor of Chemistry	2013–present
Associate Professor of Chemistry	2011–2013
Assistant Professor of Chemistry	2005–2011
University of Wisconsin–Madison	
University of California–Berkeley, Department of Chemistry (Berkeley, CA)	1998–1999
Lecturer: Organic chemistry	
Merck Research Laboratories (Rahway, NJ)	1994
Summer intern/research assistant: Synthetic organic chemistry	

Education and Training

Postdoctoral Fellow (NIH)	2002–2005
Harvard University, Cambridge, MA	
Advisor: Professor Eric N. Jacobsen	
Ph.D., Chemistry	
California Institute of Technology, Pasadena, CA	
University of California, Berkeley, CA	
Advisor: Professor David W. C. MacMillan	
Thesis: <i>The Acyl-Claisen Rearrangement. Development of a Novel Metal-Catalyzed Claisen Rearrangement and Enantioselective Variants of the Acyl-Claisen Rearrangement.</i>	
M.S., Chemistry	1996–1998
California Institute of Technology, Pasadena, CA	
Advisor: Professor Erick M. Carreira	
Thesis: <i>Studies Towards the Total Synthesis of Welwitindolinone A Isonitrile.</i>	
A.B., Chemistry (<i>summa cum laude</i>)	1992–1996
Harvard University, Cambridge, MA	
Advisor: Prof. David. A. Evans	

Selected Awards and Honors

• ACS Cope Scholar Award	2019
• <i>Synthesis</i> Best Paper Award	2018
• Vilas Faculty Mid-Career Investigator Award	2018
• <i>Organic Letters</i> Outstanding Paper of the Year Award	2018
• James W. Taylor Teaching Award	2017
• ACS Teva Pharmaceuticals Scholar	2015–2018
• Friedrich Wilhelm Bessel Award (Humboldt Foundation)	2015–2018
• Novartis Chemistry Lectureship	2015–2016
• TUM-IAS Honorary Hans Fischer Fellow	2015
• UW–Madison Romnes Faculty Fellowship	2015

• Honored Instructor Award from the University Residence Halls	8 times, 2008–2014
• AAAS Fellow	2014
• William H. Kiekhofe Distinguished Teaching Award	2013
• Eli Lilly Grantee	2010
• Camille Dreyfus Teacher-Scholar Award	2010
• Amgen Young Investigator Award	2009
• Alfred P. Sloan Research Fellowship	2009
• Thieme Chemistry Journal Award	2009
• Cottrell Scholar Award	2008
• Beckman Young Investigator Award	2008
• UW–Madison Research-Service Award	2007
• NSF CAREER Award	2007
• Eli Lilly New Faculty Award	2006

Awards prior to Wisconsin

• Ruth L. Kirschstein National Research Service Award Research Training Grant (NIH)	2002–2004
• Herbert Newby McCoy Award, Chemistry Department Thesis Award	2002
• Associated Students of the California Institute of Technology Teaching Award	2002
• National Science Foundation Graduate Research Fellowship	1996–1998, 2001
• Outstanding Graduate Student Instructor Award, University of California	2000
• Achievement Rewards for College Scientists Fellowship	1999–2000
• Harvard Committee on Undergraduate Education Certificate of Distinction in Teaching	1996
• Merck Summer Undergraduate Research Scholarship	1995

Named, Plenary, and Student-Hosted Lectureships

Mar 18, 2019	TSRI Student-Hosted Seminar	La Jolla, CA
Nov 15, 2018	BMS/Organization for Cultural Diversity Lecture, UCLA	Los Angeles, CA
Oct 19, 2018	Senter Symposium on Frontiers in Organic Chemistry, UIUC	Champaign, IL
Mar 26–27, 2018	Gilead Lectures, University of Alberta	Edmonton, Canada
Jun 25–29, 2017	Plenary Lecturer, National Organic Symposium	Davis, CA
Jun 6, 2017	Aldrich Lecture, University of Michigan	Ann Arbor, MI
May 10–11, 2017	Northwestern NU-Bond Faces in Science student-hosted seminar	Evanston, IL
May 3, 2017	University of Pennsylvania, Aldrich Lecture	Philadelphia, PA
Apr 11, 2017	UC-Berkeley Student-Hosted Lecture Series	Berkeley, CA
Nov 3–4, 2016	Keynote Speaker, Athens International Catalysis Symposium	Athens, Greece
Oct 1–2, 2015	Plenary Lecturer, ICIQ Symposium “Lights on Chemistry”	Taragonna, Spain
Aug 31, 2015	Plenary Lecturer, Wissenschafts-Forum (WiFo) 2015	Dresden, Germany
May 1–2, 2015	Paquette Lecturer, Ohio State University	Columbus, OH
Mar 24, 2015	Massachusetts Institute of Technology, Student-hosted seminar	Cambridge, MA
Mar 14, 2013	Burkett Lecturer, Depauw University	Greencastle, IN
Jan 9, 2013	2012 IGER International Symposium on Transformative Synthesis	Nagoya, Japan
Oct 11, 2012	Keynote Speaker, Pfizer: Groton Green Chemistry Symposium	Groton, CT
Mar 5–6, 2011	Eli Lilly Grantee Symposium speaker	Indianapolis, IN
Feb 11, 2011	Chicago Organic Symposium speaker	Chicago, IL
May 17, 2010	Boehringer–Ingelheim Lecture, Harvard University	Cambridge, MA
May 4, 2010	Bristol–Myers Squibb Symposium speaker, UC-Berkeley	Berkeley, CA
Oct 8, 2009	Amgen Young Investigator Award Lecture	Thousand Oaks, CA
Apr 13, 2009	Organic Synthesis, Inc., Lecture, Boston University	Boston, MA

Publications

Independent Primary Publications (** indicates undergraduate co-author)

1. "A Redox Auxiliary Strategy for Pyrrolidine Synthesis via Photocatalytic [3+2] Cycloaddition," Amador, A. G.; Sherbrook, E. M.; Yoon, T. P. *Asian J. Org. Chem.* **2019**, in press.
2. "Discovery and Elucidation of Counteranion Dependence in Photoredox Catalysis," Farney, E. P.; Chapman, S. J.; Swords, W. N.; Torelli, M. D.; Hamers, R. J.; Yoon, T. P. *J. Am. Chem. Soc.* **2019**, in press.
3. "Tandem Copper and Photoredox Catalysis in Photocatalytic Alkene Difunctionalization reactions," Reed, N. L.; Herman, M. I.; Miltchev, V. P.;** Yoon, T. P. *Beilstein J. Org. Chem.* **2019**, *15*, 351–356.
4. "Photocatalytic Oxyamination of Alkenes: Copper(II) Salts as Terminal Oxidants in Photoredox Catalysis," Reed, N. L.; Herman, M. I.; Miltchev, V. P.;** Yoon, T. P. *Org. Lett.* **2018**, *20*, 7345–7350.
5. "A General Protocol for Radical Anion [3 + 2] Cycloaddition Enabled by Tandem Lewis Acid Photoredox Catalysis," Amador, A. G.; Sherbrook, E. M.; Lu, Z.; Yoon, T. P. *Synthesis*, **2018**, *50*, 539–547.
 - Synthesis Best Paper Award 2018
 - News highlight: <https://www.thieme.de/en/thieme-chemistry/new-entry-to-cyclopentyl-arylketones-via-photoredox-catalysis-121651.htm>
6. "Enantioselective Excited-State Photoreactions Controlled by a Chiral Hydrogen-Bonding Iridium Sensitizer," Skubi, K. L.; Kidd, J. B.; Jung, H.;** Guzei, I. A.; Baik, M. H.; Yoon, T. P. *J. Am. Chem. Soc.* **2017**, *139*, 17186–17192.
7. "Enantioselective Crossed Photocycloadditions of Styrenic Olefins via Lewis Acid Catalyzed Triplet Sensitization," Miller, Z. D.; Lee, B. J.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2017**, *56*, 11891–11895.
 - Highlighted in *Synfacts* **2017**, *13*, 1172.
8. "Photocatalytic Indole Diels–Alder Cycloadditions Mediated by Heterogeneous Platinum-Modified Titanium Dioxide," Pitre, S. P.; Scaiano, J. C.; Yoon, T. P. *ACS Catal.* **2017**, *7*, 6440–6444.
9. "Titanium Dioxide Visible Light Photocatalysis: Surface Association Enables Photocatalysis with Visible Light Irradiation," Pitre, S. P.; Yoon, T. P.; Scaiano, J. C. *Chem. Commun.* **2017**, *53*, 4335–4338.
10. "Radical Cation Cycloadditions Using Cleavable Redox Auxiliaries," Lin, S.; Lies, S. D.; Gravatt, C. S.; Yoon, T. P. *Org. Lett.* **2017**, *19*, 368–371.
 - 2017 *Organic Letters* Outstanding Paper of the Year Award
11. "Enantioselective Photochemistry through Lewis Acid Catalyzed Triplet Energy Transfer," Blum, T. R.; Miller, Z. D.; Bates, D. M.; Guzei, I. A.; Yoon, T. P. *Science*, **2016**, *354*, 1391–1395.
 - Highlighted in *C&E News*, **2016**, *94(49)*, 12.
 - "Synfact of the Month", *Synfacts* **2017**, *13*, 265.
 - Highlighted in *Synform*, **2017**, *03*, A44–A47,
12. "Visible Light Photocatalysis of Radical Cation Diels–Alder Cycloadditions: Preparation of Tris(2,2'-bipyrazyl) Ruthenium(II) Bis(tetrakis(3,5-bis(trifluoromethyl)phenyl)borate)," Lies, S. D.; Lin, S.; Yoon, T. P. *Org. Syn.* **2016**, *93*, 178–199.
 - "Featured Article"
13. "Enantioselective Photocatalytic [3+2] Cycloadditions of Aryl Cyclopropyl Ketones," Amador, A. G.; Sherbrook, E. M.; Yoon, T. P. *J. Am. Chem. Soc.* **2016**, *138*, 4722–4725.

14. "Spin-Selective Generation of Triplet Nitrenes: Olefin Aziridination via Visible Light Photosensitization of Azidoformates," Scholz, S. O.; Farney, E. P.; Kim, S. Y.;** Bates, D. M.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2016**, *55*, 2239–2242.
15. "Characterizing Chain Processes in Visible Light Photoredox Catalysis," Cismesia, M. A.; Yoon, T. P. *Chem. Sci.* **2015**, *6*, 5426–5434.
 - Highlighted by C. Stephenson in *Science*, **2015**, *349*, 1285.
 - Highlighted by R. Massey in *Chemistry World*:
<http://www.rsc.org/chemistryworld/2015/07/photoredox-catalysis-chain-mechanism>
16. "Enantioselective Conjugate Additions of α -Amino Radicals via Cooperative Photoredox and Lewis Acid Catalysis," Ruiz Espelt, L.; McPherson, I. S.; Wiensch, E. M.;** Yoon, T. P. *J. Am. Chem. Soc.* **2015**, *137*, 2452–2455.
17. "An improved procedure for the preparation of Ru(bpz)₃(PF₆)₂ via a high-yielding synthesis of 2,2'-bipyrazine," Schultz, D. M.; Sawicki, J. W.; Yoon, T. P. *Beilstein J. Org. Chem.* **2015**, *11*, 61–65.
18. "Photocatalytic Synthesis of Dihydrobenzofurans by Oxidative [3+2] Cycloaddition of Phenols," Blum, T. R.; Zhu, Y.; Nordeen, S. A.;** Yoon, T. P. *Angew. Chem. Int. Ed.* **2014**, *53*, 11056–11059.
19. "[2+2] Cycloaddition of 1,3-Dienes by Visible Light Photocatalysis," Hurtley, A. E.; Lu, Z.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2014**, *53*, 8991–8994.
20. "Iron-Catalyzed Kinetic Resolution of *N*-Sulfonyl Oxaziridines," Williamson, K. S.; Sawicki, J. W.; Yoon, T. P. *Chem. Sci.* **2014**, *5*, 3524–3527.
21. "A Dual-Catalysis Approach to Enantioselective [2+2] Photocycloadditions Using Visible Light," Du, J.; Skubi, K. L.; Schultz, D. M.; Yoon, T. P. *Science* **2014**, *344*, 392–396.
 - Highlighted by R. Neier in *Science*, **2014**, *344*, 368–369.
 - Highlighted in *C&E News*, **2014**, *92(17)*, 6.
22. "[3+2] Photooxygenation of Aryl Cyclopropanes via Visible Light Photocatalysis," Lu, Z.; Parrish, J. D.; Yoon, T. P. *Tetrahedron* **2014**, *70*, 4270–4278.
 - Symposium-In-Print in honor of Sarah Reisman
23. "Redox Mediators in Visible Light Photocatalysis: Photocatalytic Radical Thiol-Ene Additions," Tyson, E. L.; Niemeyer, Z. L.;** Yoon, T. P. *J. Org. Chem.* **2014**, *79*, 1427–1436.
24. "Visible Light Sensitization of Vinyl Azides by Transition Metal Photocatalysis," Farney, E. P.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2014**, *53*, 793–797.
 - VIP article
25. "Reductive Cyclizations of Nitroarenes to Hydroxamic Acids by Visible Light Photocatalysis," Cismesia, M. A.; Ischay, M. A.; Yoon, T. P. *Synthesis* **2013**, *45*, 2699–2705.
 - Special issue on Light in Chemical Synthesis.
26. "Brønsted Acid Co-catalysts in Photocatalytic Radical Addition of α -Amino C–H Bonds Across Michael Acceptors," Ruiz Espelt, L.; Wiensch, E. M.;** Yoon, T. P. *J. Org. Chem.* **2013**, *78*, 4107–4114.
 - One of the most accessed articles for April 2013.
27. "Transition Metal Photoredox Catalysis of Radical Thiol-Ene Reactions," Tyson, E. L.; Ament, M. S.;** Yoon, T. P. *J. Org. Chem.* **2013**, *78*, 2046–2050.
 - Memorial issue in honor of Prof. Howard Zimmerman
 - One of the 20 most accessed articles for December 2012.
28. "Visible Light Photocatalysis of [2+2] Styrene Cycloadditions via Energy Transfer," Lu, Z.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2012**, *51*, 10329–10332.
29. "Iron Catalyzed Asymmetric Oxyamination of Olefins," Williamson, K. S.; Yoon, T. P. *J. Am. Chem. Soc.* **2012**, *134*, 12370–12373.
 - One of the 20 most accessed articles for August 2012.
 - Highlighted in *Synform*.

- Highlighted in *Synfacts* **2012**, 8, 1113.
30. "Crossed Intermolecular [2+2] Cycloaddition of Styrenes by Visible Light Photocatalysis," Ischay, M. A.; Ament, M. S.;** Yoon, T.P. *Chem. Sci.* **2012**, 3, 2807–2811.
 - Fifth most accessed article for June 2012.
 31. "Visible Light Photocatalysis of Intramolecular Radical Cation Diels–Alder Cycloadditions," Lin, S.; Padilla, C. E.;** Ischay, M. A.; Yoon, T. P. *Tetrahedron Lett.* **2012**, 53, 3073–3076.
 32. "Photolysis, OH Reactivity and Ozone Reactivity of a Proxy for Isoprene-Derived Hydroperoxyenals," Wolfe, G. M.; Crouse, J. D.; Parrish, J. D.; St. Clair, J. M.; Beaver, M. R.; Paulot, F.; Yoon, T. P.; Wennberg, P. O.; Keutsch, F. N. *Phys. Chem. Chem. Phys.* **2012**, 14, 7276–7286.
 33. "Endoperoxide Synthesis by Photocatalytic Aerobic [2+2+2] Cycloadditions," Parrish, J. D.; Ischay, M. A.; Lu, Z.; Guo, S.; Peters, N. R.; Yoon, T. P. *Org. Lett.* **2012**, 14, 1640–1643.
 34. "Photocatalytic [2+2] Cycloadditions of Enones with Cleavable Redox Auxiliaries," Tyson, E. L.; Farney, E. P.; Yoon, T. P. *Org. Lett.* **2012**, 14, 1110–1113.
 - Highlighted in *Synfacts* **2012**, 524.
 35. "Radical Cation Diels–Alder Cycloadditions by Visible Light Photocatalysis," Lin, S.; Ischay, M. A.; Fry, C. G.; Yoon, T. P. *J. Am. Chem. Soc.* **2011**, 133, 19350–19353.
 - One of the 20 most accessed articles for December 2011
 - Featured in *JACS Select*, May 2012.
 36. "Photocatalytic Reductive Cyclizations of Enones: Divergent Reactivity of Photogenerated Radical and Radical Anion Intermediates," Du, J.; Ruiz Espelt, L.; Yoon, T. P. *Chemical Sci.* **2011**, 2, 2115–2119.
 - One of the 10 most accessed articles for August 2011
 37. "Hydroxycarboxylic Acid-Derived Organosulfates: Synthesis, Stability, and Quantification in Ambient Aerosol," Olson, C. N.; Galloway, M. M.; Hedman, C. J.; Lockett, M. R.; Yoon, T. P.; Stone, E. A.; Smith, L. M.; Keutsch, F. N.* *Environ. Sci. Technol.* **2011**, 45, 6468–6474.
 38. "Visible Light Photocatalysis of Radical Anion Hetero-Diels–Alder Cycloadditions," Hurtley, A. E.; Cismesia, M. A.; Ischay, M. A.; Yoon, T. P. *Tetrahedron* **2011**, 67, 4442–4448.
 - Symposium-In-Print in honor of Prof. Dean Toste
 39. "[3+2] Cycloadditions of Aryl Cyclopropyl Ketones by Visible Light Photocatalysis," Lu, Z.; Shen, M.; Yoon, T. P. *J. Am. Chem. Soc.* **2011**, 133, 1162–1164.
 40. "Oxaziridine-Mediated Oxyamination of Indoles: An Approach to 3-Aminoindoles and Enantioenriched 3-Aminopyrroloindolines." Benkovics, T.; Guzei, I.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2010**, 49, 9153–9157.
 - Selected as "Synfact of the Month," *Synfacts* **2011**, 178.
 41. "N-Nosyl Oxaziridines as Terminal Oxidants in Copper(II)-Catalyzed Olefin Oxyaminations." DePorter, S. M.;** Jacobsen, A. C.;** Partridge, K. M.; Williamson, K.S.; Yoon, T. P. *Tetrahedron Lett.* **2010**, 51, 5223–5225.
 - Selected as Cover Article.
 42. "[2+2] Cycloadditions by Oxidative Visible Light Photocatalysis." Ischay, M. A.; Lu, Z.; Yoon, T. P. *J. Am. Chem. Soc.* **2010**, 132, 8572–8574.
 43. "Iron-Catalyzed Aminohydroxylation of Olefins." Williamson, K. S., Yoon, T. P. *J. Am. Chem. Soc.* **2010**, 132, 4570–4571.
 - Highlighted in *ChemCatChem* **2010**, 2, 1381–1383.
 - Highlighted in *Synfacts* **2010**, 809.
 - Highlighted online: <http://www.organic-chemistry.org/Highlights/2011/14March.shtm>
 44. "Carbonyl Imines from Oxaziridines: Generation and Cycloaddition of N=O=C Dipoles," Partridge, K. M.; Guzei, I. A.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2010**, 49, 930–934.
 - Highlighted online: <http://www.organic-chemistry.org/Highlights/2011/14March.shtm>

45. "Oxaziridine-Mediated Intramolecular Amination of sp³-Hybridized C–H bonds." Allen, C. P.; Benkovic, T.; Turek, A. K.;* Yoon, T. P. *J. Am. Chem. Soc.* **2009**, *131*, 12560–12561.
 - Highlighted in *Synfacts* **2009**, 1203.
46. "Crossed Intermolecular [2+2] Cycloadditions of Acyclic Enones: Synthesis of Unsymmetrical Cyclobutanes by Visible Light Photocatalysis" Du, J.; Yoon, T. P. *J. Am. Chem. Soc.* **2009**, *131*, 14604–14605.
 - Selected as Cover Article.
 - Highlighted in *Synfacts* **2010**, 79.
 - Highlighted online: <http://www.organic-chemistry.org/abstracts/lit2/679.shtm>
47. "Anionic Halocuprate(II) Complexes as Catalysts for the Oxaziridine-Mediated Aminohydroxylation of Olefins." Benkovic, T. B.; Du, J.; Yoon, T. P. *J. Org. Chem.* **2009**, *74*, 5545–5552.
48. "Oxaziridine-Mediated Enantioselective Aminohydroxylation of Styrenes Catalyzed by Copper(II) Bis(oxazoline) Complexes." Michaelis, D. J.; Williamson, K. S.; Yoon, T. P. *Tetrahedron.* **2009**, *65*, 5118–5124.
 - Symposium-In-Print in honor of Prof. Michael Krische
49. "Efficient Visible Light Photocatalysis of [2+2] Enone Cycloadditions." Ischay, M. A.; Anzovino, M. B.; Du, J.; Yoon, T. P. *J. Am. Chem. Soc.* **2008**, *130*, 12886–12887.
 - Highlighted in *C&E News* **2008**, *86*(37), 35
 - Highlighted in *Science* **2008**, *321*, 1607
 - Highlighted in *Synfacts* **2009**, 54
 - Highlighted online: <http://www.organic-chemistry.org/abstracts/lit2/265.shtm>
50. "Activation of *N*-Sulfonyl Oxaziridines Using Copper(II) Catalysts: Aminohydroxylations of Styrenes and 1,3-Dienes." Michaelis, D. J.; Ischay, M. A.; Yoon, T. P. *J. Am. Chem. Soc.* **2008**, *130*, 6610–6615.
51. "Cycloadditions of *N*-Sulfonyl Nitrones Generated by Lewis Acid-Catalyzed Rearrangement of Oxaziridines." Partridge, K. M.; Anzovino, M. E.; Yoon, T. P. *J. Am. Chem. Soc.* **2008**, *130*, 2920–2921.
 - Highlighted in *Synfacts* **2008**, 506
52. "Copper(II)-Catalyzed Aminohydroxylation of Olefins." Michaelis, D. J.; Shaffer, C. J.; Yoon, T. P. *J. Am. Chem. Soc.* **2007**, *129*, 1866–1867.
 - 20th most-accessed online publication in *JACS* in the first quarter of 2007
 - Highlighted online: <http://www.organic-chemistry.org/Highlights/2008/24March.shtm>

Independent Reviews and Perspectives

53. "Photochemical Stereocontrol Using Tandem Photoredox–Chiral Lewis Acid Catalysis," Yoon, T. P. *Acc. Chem. Res.* **2016**, *49*, 2307–2315.
54. "Editorial for the Special Issue on Photocatalysis," Kozlowski, M.; Yoon, T. P. *J. Org. Chem.* **2016**, *81*, 6895–6897.
55. "Dual Catalysis Strategies in Photochemical Synthesis," Skubi, K. L.; Blum, T. R.; Yoon, T. P. *Chem. Rev.* **2016**, *116*, 10034–10074.
56. "A Chiral Metal Photocatalyst Architecture for Highly Enantioselective Photoreactions," Amador, A. G.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2016**, *55*, 2304–2306.
57. "Shape Control in Reactions with Light," Skubi, K. L.; Yoon, T. P. *Nature* **2014**, *515*, 45–46.
 - News and Views commentary.
58. "Opportunities in Photocatalytic Synthesis," Yoon, T. P.; Stephenson, C. R. J. *Adv. Synth. Catal.* **2014**, *356*, 2739.
 - Guest editors' commentary for a special issue on photocatalysis.

59. "Advances in the Chemistry of Oxaziridines," Williamson, K. S.; Michaelis, D. J.; Yoon, T. P. *Chem. Rev.* **2014**, *114*, 8016–8036.
60. "Solar Synthesis: Prospects in Visible Light Photocatalysis," Schultz, D. M.; Yoon, T. P. *Science*, **2014**, *343*, 1239176.
61. "Visible Light Photocatalysis: The Development of Photocatalytic Radical Ion Cycloadditions," Yoon, T. P. *ACS Catal.* **2013**, *3*, 895–902.
 - Cover article
 - Most accessed article for May 2013.
62. "Accessing the Synthetic Chemistry of Radical Ions," Ischay, M. A.; Yoon, T. P. *Eur. J. Org. Chem.* **2012**, 3359–3372.
 - Most accessed article for June 2012.
 - 12th most accessed article for 2012.
63. "Visible Light Photocatalysis as a Greener Approach to Photochemical Synthesis." Yoon, T. P.; Ischay, M. A.; Du, J. *Nature Chem.* **2010**, *2*, 527–532.
64. "Can Reaction Mechanisms Be Proven? Reviewer Commentary." Yoon, T. P. *J. Chem. Ed.* **2009**, *86*, 556.

Books and Book Chapters

65. "Cycloadditions in Photocatalysis," Amador, A. G.; Scholz, S. O.; Skubi, K. L.; Yoon, T. P. In *Science of Synthesis*, Georg Thieme Verlag KG, 2019. In Press. Doi: 10.1055/sos-SD-229-00260
66. "Asymmetric Catalysis of Triplet-State Photoreactions," Sherbrook, E. M.; Yoon, T. P. In *Specialist Periodical Reports: Photochemistry*; Protti, S., Albini, A., Eds.; Royal Society of Chemistry: Corydon, 2019; Vol. 46, pp 432–448.
67. *Visible Light Photocatalysis in Organic Chemistry*, Stephenson, C. R. J.; Yoon, T. P., MacMillan, D. W. C., Eds; Wiley-VCH: Weinheim, 2018.
68. "3,3-Dimethyl-2-benzenesulfonyl oxaziridine," Williamson, K. S.; Yoon, T. P. *Encyclopedia of Reagents for Organic Synthesis (Online)*, Wiley. DOI: 10.1002/047084289X.rn01584

Publications prior to Wisconsin

69. "Arene Carboxylate Esters." Yoon, T. P.; Jacobsen, E. N. In *Science of Synthesis, Houben–Weyl Methods of Molecular Transformations*, Panek, J. S., Ed. Georg Thieme Verlag: New York, **2006**, Chapter 20.5.14, pp 1285–1304.
70. "Arene Carboxylic Acids." Yoon, T. P.; Jacobsen, E. N. In *Science of Synthesis, Houben–Weyl Methods of Molecular Transformations*, Panek, J. S., Ed. Georg Thieme Verlag: New York, **2006**, Chapter 20.2.10, pp 533–549.
71. "Highly Enantioselective Thiourea-catalyzed Nitro-Mannich Reactions." Yoon, T. P.; Jacobsen, E. N. *Angew. Chem. Int. Ed.* **2005**, *44*, 466–468.
 - 6th most cited paper in chemistry in 2005, according to *Science Watch*.
72. "Privileged Chiral Catalysts." Yoon, T. P.; Jacobsen, E. N. *Science* **2003**, *299*, 1691–1693.
73. "Enantioselective Claisen Rearrangements: Development of a First Generation Asymmetric Acyl-Claisen Reaction." Yoon, T. P.; MacMillan, D. W. C. *J. Am. Chem. Soc.* **2001**, *123*, 2911–2912.
74. "Development of a New Lewis Acid Catalyzed Claisen Rearrangement." Yoon, T. P.; Dong, V. M.; MacMillan, D. W. C. *J. Am. Chem. Soc.* **1999**, *121*, 9726–9727.
75. "The Formation of (*Z*) Dialkylboron Enolates from Enolsilanes: Stereoconvergent Transmetalation and Diastereoselective Aldol Reactions." Duffy, J. L.; Yoon, T. P.; Evans, D. A. *Tetrahedron Lett.* **1995**, *36*, 9245–9248.

Presentations

(* = contributed) (selected future lectures in italics)

2019

<i>Apr 26</i>	<i>Stony Brook University</i>	<i>Stony Brook, NY</i>
<i>Apr 8</i>	<i>Boston University</i>	<i>Boston, MA</i>
<i>Mar 26-27</i>	<i>Duke University</i>	<i>Durham, NC</i>
<i>Mar 25</i>	<i>North Carolina State University</i>	<i>Raleigh, NC</i>
<i>Mar 18</i>	<i>The Scripps Research Institute</i>	<i>La Jolla, CA</i>
<i>Mar 12</i>	<i>Harvey Mudd College</i>	<i>Claremont, CA</i>
<i>Feb 26</i>	<i>SCI London: Spotlight on Photoredox Catalysis and Photochemistry</i>	<i>London, UK</i>
<i>Feb 25</i>	<i>AstraZeneca</i>	<i>Cambridge, UK</i>
<i>Jan 14</i>	<i>Gilead Pharmaceuticals</i>	<i>Foster City, CA</i>

2018

<i>Dec 17-18</i>	<i>Pfizer Short Course on Photoredox Catalysis</i>	<i>Groton, CT</i>
<i>Nov 15</i>	<i>University of California, Los Angeles, BMS Lecture</i>	<i>Los Angeles, CA</i>
<i>Oct 20</i>	<i>UIUC Senter Frontiers of Organic Chemistry Symposium</i>	<i>Urbana, IL</i>
<i>Sep 10-12</i>	<i>26th Lecture Conference on Photochemistry</i>	<i>Munich, Germany</i>
<i>Aug 19-20</i>	<i>256th ACS National Meeting</i>	<i>Boston, MA</i>
<i>Aug 17</i>	<i>Takeda Pharmaceutical Company</i>	<i>Cambridge, MA</i>
<i>Jul 15-20</i>	<i>International Symposium on Reactive Intermediates</i>	<i>Ascona, Switzerland</i>
<i>Jun 17-21</i>	<i>GRC Conference on Heterocyclic Chemistry</i>	<i>Newport, RI</i>
<i>Jun 15</i>	<i>Amgen Cambridge</i>	<i>Cambridge, MA</i>
<i>Jun 6</i>	<i>University of California, Irvine</i>	<i>Irvine, CA</i>
<i>Apr 24-26</i>	<i>Beilstein Symposium on Photoredox Catalysis</i>	<i>Potsdam, Germany</i>
<i>Apr 20</i>	<i>Hope College</i>	<i>Holland, MI</i>
<i>Apr 19</i>	<i>Calvin College</i>	<i>Grand Rapids, MI</i>
<i>Apr 11</i>	<i>University of California, Riverside</i>	<i>Riverside, CA</i>
<i>Mar 30</i>	<i>Teva Pharmaceuticals</i>	<i>Westchester, PA</i>
<i>Mar 29</i>	<i>Philadelphia Organic Chemists' Club</i>	<i>Philadelphia, PA</i>
<i>Mar 26-27</i>	<i>University of Alberta, Gilead Lectures</i>	<i>Edmonton, Canada</i>
<i>Mar 18-20</i>	<i>255th ACS National Meeting</i>	<i>San Francisco, CA</i>
<i>Feb 13</i>	<i>Columbia University</i>	<i>New York, NY</i>
<i>Feb 12</i>	<i>Harvard University</i>	<i>Cambridge, MA</i>
<i>Jan 16</i>	<i>University of British Columbia</i>	<i>Vancouver, Canada</i>
<i>Jan 11-12</i>	<i>Florida State University</i>	<i>Tallahassee, FL</i>

2017

<i>Dec 14</i>	<i>Celgene</i>	<i>Cambridge, MA</i>
<i>Nov 9</i>	<i>Pfizer</i>	<i>La Jolla, CA</i>
<i>Sep 16</i>	<i>Pfizer</i>	<i>Groton, CT</i>
<i>Jul 24</i>	<i>University of Edinburgh</i>	<i>Edinburgh, UK</i>
<i>Jul 21</i>	<i>UBC Pharmaceuticals</i>	<i>Slough, UK</i>
<i>Jul 17-20</i>	<i>RSC Synthesis Symposium</i>	<i>Oxford, UK</i>
<i>Jun 25-29</i>	<i>National Organic Symposium</i>	<i>Davis, CA</i>
<i>Jun 14</i>	<i>Cell Press Webinar on Photoredox Catalysis</i>	<i>(virtual)</i>
<i>Jun 6</i>	<i>University of Michigan, BMS Symposium</i>	<i>Ann Arbor, MI</i>
<i>May 28-31</i>	<i>CSC National Conference</i>	<i>Toronto, Canada</i>
<i>May 24-15</i>	<i>Northwestern "NU-Bond" Faces in Science Student-Hosted Seminar</i>	<i>Evanston, IL</i>

May 10–11	Merck Boston, Short Course on Photocatalytic Synthesis	Cambridge, MA
May 3	University of Pennsylvania, Aldrich Lecture	Philadelphia, PA
Apr 18	Princeton University	Princeton, NJ
Apr 11	UC-Berkeley Student Hosted Seminar	Berkeley, CA
Apr 2–6	ACS National Meeting	San Francisco, CA
Mar 23	University of Arizona	Tucson, AZ
Mar 6	Cornell University	Ithaca, NY
Jan 11	Merck Boston	Cambridge, MA
Jan 2–5	I-APS National Meeting	Sarasota, FL

2016

Dec 1	ACS North Jersey Section Jacobsen Award Symposium	Somerset, NJ
Nov 11	SUNY Buffalo	Buffalo, NY
Nov 3-4	Athens International Catalysis Symposium	Athens, Georgia
Sep 1-2	KAIST	Daejeon, South Korea
Aug 31	Seoul National University	Seoul, South Korea
Aug 28-30	3 rd International Conference on Organometallics and Catalysis	Seoul, South Korea
Jul 17-22	Organic Reactions and Processes GRC	Easton, MA
Jun 28	Biogen	Boston, MA
Jun 15	ACS Green Chemistry and Engineering Conference	Portland, OR
Jun 3	Westfälische Wilhelms-Universität Münster	Muenster, Germany
Jun 1	RWTH Aachen University	Aachen, Germany
May 27	University of Zurich	Zurich, Switzerland
May 25	Novartis	Basel, Switzerland
Apr 27-28	Novartis	Shanghai, China
Apr 25	Novartis	Singapore
Mar 27-31	Organic Reactions Catalysis Society National Meeting	Miami, FL
Mar 23	Macalester College	Minneapolis, MN
Mar 10-13	Kavli German-American Frontiers of Science Symposium	Potsdam, Germany

2015

Dec 15-20	Pacificchem	Honolulu, HI
Nov 9-13	International Kyoto Conference on New Aspects of Organic Chemistry	Kyoto, Japan
Oct 1-2	ICIQ Symposium on Light-Driven Chemistry	Tarragona, Spain
Aug 30-Sep 2	Wissenschafts-Forum (WiFo 2015)	Dresden, Germany
Jul 15-18	7 th Pacific Symposium on Radical Chemistry	Singapore
June 24	Max-Planck-Institut für Kohlenforschung	Mülheim am Ruhr, Germany
June 22	Philipps-University Marburg	Marburg, Germany
June 19	Ludwig-Maximilian-University Munich	Munich, Germany
June 10	University of Regensburg	Regensburg, Germany
June 8	Technical University of Munich	Munich, Germany
June 3-4	Science Days on Modern Photochemistry	Fribourg and Neuchatel, Switzerland
May 7-10	Western Canadian Undergraduate Chemistry Conference	Kelowna, Canada
May 27-30	Central Regional ACS Meeting	Grand Rapids, MI
May 1-2	Ohio State University, Paquette Lectureship	Columbus, OH
April 7	Novartis	Boston, MA
Mar 23	ACS National Meeting	Denver, CO
Feb 26	Massachusetts Institute of Technology	Cambridge, MA

2014

Nov 12	University of Montreal	Montreal, Canada
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Oct 30	Merck Research Labs	Rahway, NJ
Oct 21	Bristol-Myers Squibb	New Brunswick, NJ
Sep 30-Oct 1	Abbvie, Inc.	North Chicago, IL
Sep 12	New York University	New York, NY
Aug 12	ACS National Meeting—JOC/OL Symposium	San Francisco, CA
May 30	Zhejiang University	Hangzhou, China
May 27	Fudan University	Shanghai, China
May 23	Nanyang Technological University	Singapore
May 22	National University of Singapore	Singapore
May 8–9	Merck Research Labs	Rahway, NJ
May 6	McGill University	Montreal, Canada
May 2	Marquette University	Milwaukee, WI
Apr 23	Emory University	Atlanta, GA
Mar 25	University of Wisconsin–Madison, Department of Physics	Madison, WI
Jan 2–5	Inter-American Photochemical Society Winter Meeting	Sarasota, FL

2013

Nov 8	Iowa State University	Ames, IA
Nov 7	University of Iowa	Iowa City, IA
Oct 10	University of Vermont	Burlington, VT
Sep 5	North Dakota State University	Fargo, ND
Aug 14	Freie Universität Berlin	Berlin, Germany
Aug 8–11	Transatlantic Frontiers of Chemistry Meeting	Kloster Seeon, Germany
Aug 1	Abbvie Scholars Symposium	Abbott Park, IL
Jul 14–19	Gordon Conference–Photochemistry	Easton, MA
Jun 16–20	Pacific Symposium on Radical Chemistry	Vancouver, BC
May 6	Eastman Chemical Company	Kingsport, TN
Apr 7	ACS National Meeting—Photocatalysis Symposium	New Orleans, LA
Mar 14	DePauw University: Burkett Lectures	Greencastle, IN
Feb 18	AstraZeneca	Waltham, MA
Feb 8	Virginia Tech	Blacksburg, VA
Jan 24	Washington University St. Louis	St. Louis, MO
Jan 9	2012 IGER International Symposium on Transformative Synthesis	Nagoya, Japan

2012

Nov 30	University of South Carolina	Columbia, SC
Oct 26	ACS MWRM: Midwest Award Symposium in honor of Jeff Aubé	Omaha, NB
Oct 11	Pfizer – Groton Green Chemistry Symposium	Groton, CT
Sep 27	University of Pittsburgh	Pittsburgh, PA
Aug 3	Johnson and Johnson	San Diego, CA
Jul 19	Technical University of Munich	Munich, Germany
Jul 18	Universität Regensburg	Regensburg, Germany
Jul 12	Gilead Sciences	Foster City, CA
Jun 15	Shanghai Institute of Organic Chemistry	Shanghai, China
Jun 13	Central China Normal University	Wuhan, China
Jun 11	Beijing University	Beijing, China
Jun 7	Seoul National University	Seoul, South Korea
May 4	Georgia State University	Atlanta, GA
Apr 26	University of Minnesota	Minneapolis, MN
Apr 6	William and Mary	Williamsburg, VA
Apr 2	Indiana University	Bloomington, IL

Mar 5	Lilly Symposium	Indianapolis, IN
Feb 7	University of Houston	Houston, TX
Jan 11	University of Ottawa	Ottawa, ON

2011

Oct 24	University of Arkansas	Fayetteville, AR
Oct 7	University of Chicago	Chicago, IL
Aug 27	NSF Catalysis Workshop	Denver, CO
Aug 22	Dow Agrosience	Indianapolis, IN
Aug 19	Boehringer Ingelheim Pharmaceuticals	Ridgefield, CT
Aug 17	University of Toronto	Toronto, ON
Aug 12	Beckman Symposium	Irvine, CA
Jul 24	Gordon Research Conference—Natural Products	Smithfield, RI
Jun 20	Gordon Research Conference—High Throughput Chemistry	New London, NH
May 12	Dartmouth College	Hanover, NH
Apr 27	University of West Virginia	Morgantown, WV
Mar 30	American Chemical Society National Meeting	Anaheim, CA
Mar 17	University of South Florida	Tampa, FL
Feb 11	Chicago Organic Symposium	Chicago, IL
Jan 20	Columbia University	New York, NY
Jan 18	University of Wisconsin—Madison	Madison, WI

2010

Dec 15*	Pacificchem 2010	Honolulu, HI
Nov 12	University of Miami	Coral Gables, FL
Oct 29	Dreyfus Symposium	New York, NY
Oct 8	University of Wisconsin—Oshkosh	Oshkosh, WI
Aug 27	University of North Carolina—Chapel Hill	Chapel Hill, NC
Aug 4*	Gordon Research Conference—Stereochemistry	Newport, RI
Jun 2	University of Washington	Seattle, WA
May 17	Harvard University (Boehringer—Ingelheim Lecture)	Cambridge, MA
May 10	Yale University	New Haven, CT
May 5	Stanford University	Palo Alto, CA
May 4	University of California—Berkeley (Bristol—Myers Squibb Symposium)	Berkeley, CA
Apr 29	University of Utah	Salt Lake City, UT
Apr 26	University of Illinois, Urbana—Champaign	Urbana, IL
Apr 19	Colorado State University	Fort Collins, CO
Apr 16	Scripps Research Institute	La Jolla, CA
Apr 15	University of California—San Diego	San Diego, CA
Apr 12	Penn State	University Park, PA
Apr 1	Cornell University	Ithaca, NY
Mar 26	University of Kansas	Lawrence, KS
Mar 23	Sloan—Kettering Institute	New York, NY
Mar 18	University of California—Los Angeles	Los Angeles, CA

2009

Nov 5	California Institute of Technology	Pasadena, CA
Nov 4	University of California—Irvine	Irvine, CA
Oct 30	University of Texas—Austin	Austin, TX
Oct 27	University of Michigan	Ann Arbor, MI
Oct 20	University of Illinois—Chicago	Chicago, IL

Oct 8	Amgen Young Investigators Award Symposium	Thousand Oaks, CA
Oct 7	University of California–Santa Barbara	Santa Barbara, CA
Sep 30	Merck Research Labs	Rahway, NJ
Sep 29	Princeton University	Princeton, NJ
Sep 25	University of New Mexico	Albuquerque, NM
Sep 21	University of Pennsylvania	Philadelphia, PA
Aug 29	Beckman Young Investigators Symposium	Irvine, CA
Aug 17	American Chemical Society National Meeting	Washington, DC
Aug 12	Bristol–Myers Squibb	Wallingford, CT
July 28	Eli Lilly	Indianapolis, IN
July 23*	Gordon Research Conference—Organic Reactions and Processes	Smithfield, RI
July 11	Research Corporation—Cottrell Scholar Conference	Tucson, AZ
July 2	Gordon Research Conference—Heterocyclic compounds	Newport, RI
Apr 24	Gustavus Adolphus College	Saint Peter, MN
Apr 14	Boston College	Chestnut Hill, MA
Apr 13	Boston University (<i>Organic Synthesis, Inc. Lecture</i>)	Boston, MA
Apr 2	Amgen SF	South San Francisco, CA
Mar 27	Abbott Laboratories—Medicinal Chemistry	Abbott Park, IL

2008

Sep 26	Iowa State	Ames, IA
Aug 30	Beckman Young Investigators Symposium	Irvine, CA
Aug 1	Transatlantic Frontiers of Chemistry Symposium	Cheshire, UK
Jul 21*	Gordon Research Conference—Natural Products	Tilton, NH
Jun 18*	Gordon Research Conference—Heterocyclic compounds	Newport, RI

2007

Nov 14	Bristol-Myers Squibb—Discovery Chemistry	Princeton/Hopewell, NJ
Nov 13	Princeton University—Organic Supergroup	Princeton, NJ
Nov 13	Lexicon Pharmaceuticals	Princeton, NJ
Jun 27*	Gordon Research Conference—Heterocyclic compounds	Newport, RI
Mar 25*	American Chemical Society National Meeting	Chicago, IL

2006

Aug 25	Abbott Laboratories	North Chicago, IL
Jun 20*	Gordon Research Conference—Stereochemistry	Newport, RI
May 12	University of Maryland/NIH Mentoring Meeting	Greenbelt, MD

2005

Sep 22	University of Wisconsin–Madison “Privileged Structures in Asymmetric Catalysis”	Madison, WI
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Workshops and Outreach Presentations

Aug 2-4, 2018	ACS/Cottrell Scholars Collective New Faculty Workshop	Washington, DC
Jun 7-9, 2017	ACS/Cottrell Scholars Collective New Faculty Workshop	Denver, CO
Mar 7, 2018	Chem 345, Faculty guest lecturer	Madison, WI
Mar 5, 2018	Open House Gender Learning Community, Dinner speaker	Madison, WI
Dec 8, 2017	Taylor Award Symposium <i>Approaching Chemistry Through Art</i>	Madison, WI
Aug 3-5, 2017	Cottrell Scholars Collective New Faculty Workshop	Washington, DC
Jul 27, 2017	Preparing for Life After Graduate School	Madison, WI

Aug 4-6, 2016	Cottrell Scholars Collective New Faculty Workshop	Washington, DC
Mar 18, 2016	UW-Madison Postdoc Series <i>Academic Job Searech 101</i>	Madison, WI
Aug 6-8, 2015	Cottrell Scholars Collective New Faculty Workshop	Washington, DC
Mar 25, 2014	UW Chaos and Complexity Seminar series <i>Managing Complexity on the Molecular Scale</i>	Madison, WI
Sep 21, 2012	UW Postdoc Seminar Series <i>Academic Job Search 101</i>	Madison, WI
Jun 25, 2012	NIH Mentoring Workshop (mentor)	Dallas, TX
Apr 19, 2012	UW-Madison Office of Admissions Panel <i>Counselors Observing Wisconsin Schools (COWS) Tour</i>	Madison, WI
Apr 11, 2012	UW-Madison Honors Program, "Wednesdays at Washburn" <i>"Chemistry IS a Liberal Art"</i>	Madison, WI
Feb 21, 2012	UW-Madison ACS Student Affiliates	Madison, WI
Jan 18, 2012	Tenure Workshop, UW-Madison Physical Sciences Division	Madison, WI
Aug 26, 2011	NSF Catalysis Workshop	Denver, CO
Jun 14, 2011	UW-Madison Delta Program Workshop <i>Developing and Excellent Education Plan for your CAREER Proposal</i>	Madison, WI
Apr 5, 2011	UW-Madison ACS Student Affiliates	Madison, WI
Sep 30, 2010	UW-Madison 2010 Diversity Forum: Plenary session <i>Collaborating Across Communities: Diversity Committees Advancing Inclusive Excellence</i>	Madison, WI
Sep 28, 2010	UW-Madison Office of Admissions Panel <i>Counselors Observing Wisconsin Schools (COWS) Tour</i>	Madison, WI
Jun 9, 2010	UW-Madison Delta Program Workshop <i>Developing an Excellent Education Plan for your CAREER Proposal</i>	Madison, WI
Apr 22, 2010	UW-Madison Office of Admissions Panel <i>Counselors Observing Wisconsin Schools (COWS) Tour</i>	Madison, WI
Jul 11, 2009	Research Corporation—Cottrell Scholar Conference <i>"Using Blogs in a Chemistry Laboratory Course"</i>	Tucson, AZ
May 2, 2009	University of Wisconsin—Madison, Knapp House <i>"Chemistry IS a Liberal Art"</i>	Madison, WI
Jun 28, 2008	NSF Workshop on Organic Synthesis and Natural Product Chemistry	Holderness, NH
May 5, 2008	UW-Madison ACS Student Affiliates <i>"Installing Functionality on Hydrocarbons: New Chemistry of Oxaziridines"</i>	Madison, WI
Mar 2008	Recruiter, NOBCCChE Annual Meeting	Philadelphia, PA
Apr 2007	Recruiter, NOBCCChE Annual Meeting	Orlando, FL
Dec 3, 2006	UW-Madison Office of Admissions: Wisconsin Real <i>"Academic Opportunities at UW"</i>	Madison, WI
Sep 11, 2006	American Chemical Society National Meeting – YCC Symposium <i>"Twists in the Road: What to do when your advisor changes jobs"</i>	San Francisco, CA
May 2006	Wisconsin Idea Seminar	Wisconsin
May 12, 2006	University of Maryland/NIH Mentoring Meeting	Greenbelt, MD
Apr 2006	Recruiter, NOBCCChE Annual Meeting	Los Angeles, CA