

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

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	2000–2002
University of California, Berkeley, CA	1999–2000
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. Kiekhofers 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

Oct 14, 2019	Chemmy Award Lecture (student-hosted seminar), Emory University	Atlanta, GA
May 24, 2019	Student Hosted Organic Colloquium Speaker, University of Toronto	Toronto, Canada
May 12, 2019	Plenary Lecturer, Grasmere Heterocycles Meeting	Grasmere, UK
Apr 26, 2019	2019 Student-Selected Seminar Speaker, Stony Brook University	Stony Brook, NY
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. "Brønsted Acid Catalysis of Photosensitized Cycloadditions," Sherbrook, E. M.; Jung, H.; Cho, D.; Baik, M. H.; Yoon, T. P. *Chem. Sci.* **2020**, *11*, 856–861.
2. "Site-Selective Alkoxylation of Benzylic C–H Bonds via Photoredox Catalysis," Lee, B. J.; DeGlopper, K. S.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2020**, *59*, 197–202.
3. "Enantioselective Intermolecular Excited-State Photoreactions Using a Chiral Ir Triplet Sensitizer: Separating Association from Energy Transfer in Asymmetric Photocatalysis," Zheng, J.; Swords, W. B.; Jung, H.; Skubi, K. L.; Kidd, J. B.; Meyer, G. J.; Baik, M.-H.; Yoon, T. P. *J. Am. Chem. Soc.* **2019**, *141*, 13625–13634.
4. "Enantioselective [2+2] Cycloadditions of Cinnamate Esters: Generalizing Lewis Acid Catalysis of Triplet Energy Transfer," Daub, M. E.; Jung, H.; Lee, B. J.; Won, J.; Baik, M. H.; Yoon, T. P. *J. Am. Chem. Soc.* **2019**, *141*, 9543–9547.
5. "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**, *8*, 978–985.
6. "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**, *141*, 6385–6391.
7. "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.
8. "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.
9. "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>
10. "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.
11. "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.
12. "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.
13. "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.
14. "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

15. "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,
16. "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"
17. "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.
18. "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.
19. "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>
20. "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.
21. "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.
22. "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.
23. "[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.
24. "Iron-Catalyzed Kinetic Resolution of *N*-Sulfonyl Oxaziridines," Williamson, K. S.; Sawicki, J. W.; Yoon, T. P. *Chem. Sci.* **2014**, 5, 3524–3527.
25. "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.
26. "[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
27. "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.
28. "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
29. "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.
30. "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.
31. "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.
 32. "Visible Light Photocatalysis of [2+2] Styrene Cycloadditions via Energy Transfer," Lu, Z.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2012**, *51*, 10329–10332.
 33. "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.
 34. "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.
 35. "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.
 36. "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.
 37. "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.
 38. "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.
 39. "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.
 40. "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
 41. "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.
 42. "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
 43. "[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.
 44. "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.
 45. "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.

46. “[2+2] Cycloadditions by Oxidative Visible Light Photocatalysis.” Ischay, M. A.; Lu, Z.; Yoon, T. *J. Am. Chem. Soc.* **2010**, *132*, 8572–8574.
47. “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>
48. “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>
49. “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.
50. “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>
51. “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.
52. “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
53. “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>
54. “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.
55. “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
56. “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

57. “Stereocontrolled Photochemical Synthesis,” *ChemPhotoChem* **2019**, *3*, 1201–1202.
58. “Photochemical Stereocontrol Using Tandem Photoredox–Chiral Lewis Acid Catalysis,” Yoon, T. P. *Acc. Chem. Res.* **2016**, *49*, 2307–2315.

59. "Editorial for the Special Issue on Photocatalysis," Kozlowski, M.; Yoon, T. P. *J. Org. Chem.* **2016**, *81*, 6895–6897.
60. "Dual Catalysis Strategies in Photochemical Synthesis," Skubi, K. L.; Blum, T. R.; Yoon, T. P. *Chem. Rev.* **2016**, *116*, 10034–10074.
61. "A Chiral Metal Photocatalyst Architecture for Highly Enantioselective Photoreactions," Amador, A. G.; Yoon, T. P. *Angew. Chem. Int. Ed.* **2016**, *55*, 2304–2306.
62. "Shape Control in Reactions with Light," Skubi, K. L.; Yoon, T. P. *Nature* **2014**, *515*, 45–46.
 - News and Views commentary.
63. "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.
64. "Advances in the Chemistry of Oxaziridines," Williamson, K. S.; Michaelis, D. J.; Yoon, T. P. *Chem. Rev.* **2014**, *114*, 8016–8036.
65. "Solar Synthesis: Prospects in Visible Light Photocatalysis," Schultz, D. M.; Yoon, T. P. *Science*, **2014**, *343*, 1239176.
66. "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.
67. "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.
68. "Visible Light Photocatalysis as a Greener Approach to Photochemical Synthesis." Yoon, T. P.; Ischay, M. A.; Du, J. *Nature Chem.* **2010**, *2*, 527–532.
69. "Can Reaction Mechanisms Be Proven? Reviewer Commentary." Yoon, T. P. *J. Chem. Ed.* **2009**, *86*, 556.

Books and Book Chapters

70. "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.
71. "Cycloadditions in Photocatalysis," Amador, A. G.; Scholz, S. O.; Skubi, K. L.; Yoon, T. P. In *Science of Synthesis: Photocatalysis in Organic Synthesis*, George Thieme Verlag KG, 2018; Vol. 1, pp 467–516.
72. *Visible Light Photocatalysis in Organic Chemistry*, Stephenson, C. R. J.; Yoon, T. P., MacMillan, D. W. C., Eds; Wiley-VCH: Weinheim, 2018.
73. "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

74. "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.
75. "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.

76. "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*.
77. "Privileged Chiral Catalysts." Yoon, T. P.; Jacobsen, E. N. *Science* **2003**, *299*, 1691–1693.
78. "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.
79. "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.
80. "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.