

Youjun Yang, PhD

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Professional experience

2015-now	Professor,	ECUST
2010-2015	Associate Professor,	ECUST

Education

2007-2010	Postdoc	University of Texas at Austin	Prof. Eric V. Anslyn
2002-2007	Ph.D.	Louisiana State University	Prof. Robert M. Strongin
1997-2002	B.S.	University of Science and Technology of China	

Honors and awards

2014	University Teaching Award for Graduate Education
2013	Shanghai Rising-Star talent award, Shanghai Municipal Science and Technology Commission
2012	Junior Faculty Award, School of Pharmacy, ECUST
2012	Tianding-Dongyue Award for Teaching, ECUST
2007-2010	Postdoctoral Fellowship from Henry Ford Hospital
2003	Teaching Award for General Chemistry Laboratory

Publications

11. Zuhai Lei, Xinran Li, Xiao Luo, Haihong He, Jing Zheng, Xuhong Qian, Youjun Yang*. "Bright, Stable and Biocompatible Organic Fluorophores Absorbing/Emitting in the Deep Near-Infrared Spectral Region." *Angew. Chem. Int. Ed.* **2017**, DOI: 10.1002/anie.201612301R1.
10. Ziqian Zhang, Yi Li, Haihong He, Xuhong Qian, Youjun Yang. "Mild Chemo-Triggered Generation of a Fluorophore-Tethered Diazoalkane Species via Smiles Rearrangement." *Org. Lett.* **2016**, *18*, 4674-4677.
9. Ziqian Zhang, Jiayao Wu, Zhihao Shang, Chao Wang, Jiagao Cheng, Xuhong Qian, Yi Xiao, Zhiping Xu, Youjun Yang.* "Photo-Calibrated NO release from N-Nitrosated Naphthalimides upon One-Photon or Two-Photon Irradiation." *Anal. Chem.* **2016**, *88*, 7274-7280.
8. Quanjuan Zhang, Na Zhang, Yi-Tao Long, Xuhong Qian, Youjun Yang*. "Understanding the Selectivity of a Multi-Channel Fluorescent Probe for Peroxynitrite Over Hypochlorite." *Bioconjugate Chem.* **2016**, *27*, 341-353.
7. Zuhai, Lei; Xinran Li; Yi Li; Xiao Luo; Miaomiao Zhou; Youjun Yang. "Synthesis of Sterically Protected Xanthene Dyes with Bulky Groups at C-3' and C-7'." *J. Org. Chem.* **2015**, *80*, 11538-11543.

6. Yanming Shen, Zhihao Shang, Yanhong Yang, Shaojia Zhu, Xuhong Qian, Ping Shi, Jing Zheng, and Youjun Yang*. "Structurally Rigid 9-Amino-benzo[c]cinnoliniums Make Up a Class of Compact and Large Stokes-Shift Fluorescent Dyes for Cell-Based Imaging Applications." *J. Org. Chem.*, **2015**, *80*, 5906–5911.
5. Yanming Shen, Quanjuan Zhang, Xuhong Qian, and Youjun Yang*. "Practical Assay for Nitrite and Nitrosothiol as an Alternative to the Griess Assay or the 2,3-Diaminonaphthalene Assay." *Anal. Chem.*, **2015**, *87*, 1274-1280.
4. Ziqian Zhang, Baoyan Zhang, Xuhong Qian, Zhong Li, Zhiping Xu, Youjun Yang*. "Simultaneous Quantification of Hg²⁺ and MeHg⁺ in Aqueous Media by a Single Fluorescent Probe via Multiplexing in the Time Domain." *Anal. Chem.*, **2014**, *86*, 11919-11924.
3. Linlin Song, Zuhai Lei, Baoyan Zhang, Zhiping Xu, Zhong Li and Youjun Yang*. "A Zero-Background Fluorescent Probe for Hg²⁺ Designed via the Covalent-Assembly Principle." *Anal. Methods*, **2014**, *6*, 7597-7600.
2. Zuhai Lei, Youjun Yang*. "A concise colorimetric and fluorimetric probe for Sarin related threats designed via the covalent-assembly approach." *J. Am. Chem. Soc.*, **2014**, *136*, 6594–6597. Highlight in *Advances in Engineering*.
1. Quanjuan Zhang, Zhichuan Zhu, Yongli Zheng, Jiagao Cheng, Na Zhang, Yi-Tao Long, Jing Zheng, Xuhong Qian, and Youjun Yang*. "A Three-Channel Fluorescent Probe That Distinguishes Peroxynitrite from Hypochlorite." *J. Am. Chem. Soc.*, **2012**, *134*, 18479-18482.

Below are publications from graduate and Post-doc works.

7. Youjun Yang, Balazs Szamosfalvi, Jerry Yee, Stanley Frinak and Eric V. Anslyn*. "Development of an online citrate/Ca²⁺ sensing system for dialysis," *Analyst*, **2011**, *136*, 317-320.
6. Youjun Yang, Stephanie K. Seidlits, Michelle M. Adams, Vincent M. Lynch, Christine E. Schmidt, Eric V. Anslyn*, Jason B. Shear*. "A highly selective lowbackground fluorescent imaging agent for nitric oxide," *J. Am. Chem. Soc.*, **2010**, *132*, 13114-13116.
5. Youjun Yang, Mark Lowry, Xiangyang Xu, Jorge O. Escobedo, Martha Sibrian -Vazquez, Lisa Wong, Corin M. Schowalter, Timothy J. Jensen, Frank R. Fronczek, Isiah M. Warner, Robert M. Strongin*. "Seminaphthofluorones are a family of water-soluble, low molecular weight, NIR-emitting fluorophores," *Proc. Natl. Acad. Sci. USA* **2008**, *105*, 8829-8834. Highlights in Chemical and Engineering News, "Near-IR Imaging Goes Further", September 22, 2008 issue.
4. Youjun Yang, Mark Lowry, Corin M. Schowalter, Sayo O. Fakayode, Jorge O. Escobedo, Xiangyang Xu, Huating Zhang, Timothy J. Jensen, Frank R. Fronczek, Isiah M. Warner, Robert M. Strongin*. "An organic white light-emitting fluorophore," *J. Am. Chem. Soc.*, **2006**, *128*, 14081 -14092. (Addition and Correction) *J. Am. Chem. Soc.*, **2007**, *129*, 1008-1008. Highlights in Biophotonics International, "Fluorophores Emit White Light", December 2006 issue and in Photonics Spectra, "White Light Emitting Fluorophore has Solid State Applications", January 2007 issue.
3. Youjun Yang, Jorge O. Escobedo, Alexander Wong, Corin M. Schowalter, Michael C. Touchy, Lijuan Jiao, William E. Crowe, Frank R. Fronczek, Robert M. Strongin*. "A convenient preparation of xanthene dyes," *J. Org. Chem.*, **2005**, *70* (17), 6907-6912.
2. Youjun Yang, Patrick T. Lewis, Jorge. O. Escobedo, Nadia N. St. Luce, Dale W. Treleaven, Robert L. Cook, Robert M. Strongin*. "Mild Colorimetric Detection of Sialic Acid", *Coll. Czech. Chem. Comms.*, **2004**, *69*, 1282-1291.
1. Guan-Wu Wang*, Li-Juan Jiao, Er-Hong Hao, Yu-Ming Lu, You-Jun Yang. "Aggregation properties of an amphiphilic methanofullerene derivative in THF-H₂O solvent mixtures", *Chin. Chem. Letts.*, **2004**, *15*, 579-582.

Selected Presentations

15. The 5th International conference on Molecular Sensors and Molecular Logic Gates, Bath, UK, July 27, 2016.

14. Departmental seminar at Institute of Chemical Physics, Dalian, June 24, 2016.
13. Departmental seminar at Dalian Institute of Technology, Dalian, June 23, 2016.
12. Departmental seminar at Fudan University, Shanghai, June 8, 2016.
11. The 251th ACS National Conference, San Diego, US, March 13, 2016.
10. The 7th Catalysis and Sensing for the Environment (CASE 2015), Dublin, Ireland, July 08, 2015.
9. The 1st “Chin. Chem. Letts” symposium—Frontiers in Chemistry and Chemical Biology, June 04, 2015.
8. Departmental seminar at Hefei University of Technology, Hefei, Anhui, China, Dec. 12, 2014.
7. The 4th International Conference on Molecular Sensors and Molecular Logic Gates, Shanghai, China, Nov. 11, 2014.
6. The 12th Jianghuai Forum on Organic Chemistry, Wuhu, Anhui, China, Nov. 01, 2014.
5. Departmental seminar at Northwestern University, Xi’an, Shaanxi, China, Oct 29, 2014.
4. The 4th Sino-Ireland Bilateral Symposium—Frontiers in Organic Chemistry, Hefei, China, July 28, 2014.
3. 2014 Chemical Biology and Nitric Oxide (NO) International Conference, Shanghai, China, July 4, 2014.
2. Departmental seminar at Anhui Normal University, Wuhu, Anhui, May 17, 2013.
1. International Symposium on Electronic/Optic Functional Molecules, Shanghai, China, March 12, 2012.