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冯元宁 | **Assistant Professor** | Principal Investigator

Address: 101 Stephenson Parkway / SLSRC 2060 / Norman / Oklahoma 73019 / United States

Education	Doctor of Philosophy in Chemistry	2016-2021
	Northwestern University / United States	
	Bachelor of Science in Chemical Biology Honorary in Chemistry	2012-2016
	Tsinghua University / China	
Research Career	Assistant Professor in Chemistry	2023-Now
	University of Oklahoma / United States	
	Postdoctoral Research Fellow in Chemistry	2021-2023
	Northwestern University / United States / Supervisor: J Fraser Stoddart	
	Graduate Research Assistant in Chemistry	2016-2021
	Northwestern University / United States / Supervisor: J Fraser Stoddart	
	Postgraduate Visiting Scholar in Chemistry	2020
	University of New South Wales / Australia / Host: Dong Jun Kim 김동준	
Selected Awards and Fellowships	Undergraduate Research Assistant in Chemistry	2015-2016
	Tsinghua University / China / Supervisor: Xi Zhang 张希	
	Undergraduate Visiting Scholar in Chemistry	2015
	University of Texas at Austin / United States / Host: Jonathan L Sessler	
	Undergraduate Research Assistant in Chemistry	2013-2015
Academic Activities	Tsinghua University / China / Supervisor: Mei-Xiang Wang 王梅祥	
	University of Oklahoma Research Council's Junior Faculty Fellowship	2025
	29th Annual Presidential International Travel Fellowship	2024
	University Library's Alternative Textbook Grant	2024
	Chemical Abstracts Service Future Leaders Top 100	2023
	International Institute for Nanotechnology Outstanding Researcher Award	2022
	Chinese Government Award for Outstanding Self-Finance Students Abroad	2022
Academic Activities	52 Publications including: 2 <i>Science</i> 2 <i>Nature</i> 20 <i>J. Am. Chem. Soc.</i> 5 <i>Chem</i>	
	3 <i>Chem. Sci.</i> 3 <i>Angew. Chem. Int. Ed.</i> 2 <i>CCS Chem.</i> 2 <i>Sci. China Chem.</i>	
	<i>Nat. Chem. Eng.</i> <i>Nat. Synth.</i> <i>Nat. Commun.</i> <i>Matter</i> <i>Proc. Natl. Acad. Sci. U.S.A.</i>	
	<i>Chem. Soc. Rev.</i> <i>Mater. Chem. Front.</i> <i>ACS Cent. Sci.</i> <i>ACS Nano</i> <i>ACS Mater. Lett.</i>	
	13 Peer-Reviews including: 4 <i>J. Am. Chem. Soc.</i> 2 <i>Isr. J. Chem.</i> <i>Nat. Commun.</i>	
	<i>ACS Mater. Lett.</i> <i>J. Phys. Chem. Lett.</i> <i>STAR Protoc.</i> <i>J. Mol. Struct.</i>	
	77 Public Presentations including: 54 Talks 23 Posters	
	37 Mentoring including: 2 Postdoc 1 Doctoral 22 Bachelor 12 Short or Visiting	
Academic Activities	25 Courses including: 4 Lecture 15 Supervision 6 Teaching Assistant	
	Chair for the 2025 Oklahoma Section of the American Chemical Society	
	Early Career Board Member of <i>Precis. Chem.</i>	

Achievements	17 Research Council's Junior Faculty Fellowship	2025
	University of Oklahoma / Norman / Oklahoma / United States	
	16 29th Annual Presidential International Travel Fellowship	2024
	University of Oklahoma / Norman / Oklahoma / United States	
	15 University Library's Alternative Textbook Grant	2024
	University of Oklahoma / Norman / Oklahoma / United States	
	14 Chemical Abstracts Service Future Leaders Top 100	2023
	Indiana Convention Center / Indianapolis / Indiana / United States	
	13 Best Poster Award at the North American Supramolecular Chemistry Meeting	2022
	Loyola University / New Orleans / Louisiana / United States	
	12 International Institute for Nanotechnology Outstanding Researcher Award	2022
	Northwestern University / Evanston / Illinois / United States	
	11 Chinese Government Award for Outstanding Self-Finance Students Abroad	2022
	Ministry of Education / Beijing / China	
	10 Foresight Fellowship in Nanotechnology	2022
	The Foresight Institute / San Francisco / California / United States	
	9 World Laureates Forum Young Investigator	2021
	World Laureates Association / Shanghai / China	
	8 Foresight Institute Distinguished Student Award	2021
	The Foresight Institute / San Francisco / California / United States	
	7 Best Poster Award at the ACS Publications Symposium	2017
	Shanghai Institute of Organic Chemistry / Shanghai / China	
	6 Tsinghua Xuetang Talents Fellowship	2016
	Tsinghua University / Beijing / China	
	5 Tsinghua Xuetang Overseas Research Scholarship	2015
	Tsinghua University / Beijing / China	
	4 Tsinghua Outstanding Incoming Student Scholarship	2012
	Tsinghua University / Beijing / China	
	3 Suen Tzeng-Jiueq Memorial Scholarship	2012
	Tsinghua University / Beijing / China	
	2 Gold Medal in the 25th Chinese Chemistry Olympiad Final	2011
	Jilin University / Changchun / Jilin / China	
	1 First Prize in Chinese National Chemistry Competition	2011
	Sun Yat-Sen University / Guangzhou / Guangdong / China	

Publications	54 Huang, J. Y.; Zhu, X.; Lim, A. J.; Sule, N. A.; Gottlieb, J. A.; Ou, J. T.; Feng, Y.*
#Equal Contribution	Homochirality and Self-Replication promoted by Supramolecular Recognition.
*Corresponding Author	<i>Beilstein J. Org. Chem.</i> 2025 , Under Revision
	53 Lee, C. K.; Feng, Y.* ; Enciso, A. E.; Violi, J. P.; Donald, W. A.; Stoddart, J. F.*;
	Kim, D. J.* An Aqueous Artificial Molecular Pump. <i>Chem</i> 2025 , 12, Under
	Revision
	52 Khaleghi, N.; Mason, S. A.; Saeed, M. S.; Feng, Y.* A Two-Dimensional
	Mechanically Interlocked Polymer Crosslinked by [c2]Daisy Chains. <i>Sci. China</i>
	<i>Chem.</i> 2025 , 68, https://doi.org/10.1007/S11426-025-2797-4 .

Publications**(Continued)****#Equal Contribution*****Corresponding Author**

- 51** Li, T.#; Liu, B.-T.#; Liu, J.-C.; Sule, N. A.; Ou, J. T.; Huang, J. Y.; Ou, C.; Jia, J.-H.*; **Feng, Y.*** Near-Infrared Emission in Organic Cocrystals Based on Twisted-Component Pseudoencapsulation. *ACS Mater. Lett.* **2025**, 7, 2246–2254.
- 50** Tang, C.; Zhang, R.*; Almunif, S.; Das, P. J.; Brown, P. J.; Young, R. M.; Wu, G.; Han, H.; Zhao, X.; David, A. H. G.; Wu, H.; Song, B.; Wu, Y.; Ye, Y.-M.; **Feng, Y.**; Chen, A. X.-Y.; Stern, C. L.; Li, Z.; Scott, E. A.; Wasielewski, M. R.; Stoddart, J. F. *Nat. Synth.* **2025**, <https://doi.org/10.1038/S44160-025-00781-Z>
- 49** Liu, B.-T.#; Li, T.#; Gong, S.-H.#; Liu, J.-C.; Ruan, Z.-Y.; Han, H.; Li, T. Y.-Z.; **Feng, Y.**; Wang, R.; Gong, L.; Xu, X.; Cao, R.*; Tong, M.-L.*; Stoddart, J. F.*; Liu, T.-F.* Air-Stable Radical Polycyclic Aromatic Hydrogen-Bonded Organic Frameworks. *Chem* **2025**, 11, 102445.
- 48** Lim, A. J.; Littlefield, K. P.; Alkalani, Z.; **Feng, Y.*** Synergistic Cancer Photoimmunotherapy by Harnessing Near Infrared-Activated Nanoparticles Containing Charge Transfer Complexes. *Angew. Chem. Int. Ed.* **2025**, 64, e202423550.
- 47** Liuzzi-Vaamonde, M. A.; Lancaster, J. B.; Mason, S. A.; **Feng, Y.*** Piling up Multidecker Pyrgos[*n*]cages as Antibacterial Materials. *Sci. China Mater.* **2025**, 68, 314–316.
- 46** Liu, J.-C.#; Li, T.#; Yu, H.; Huang, J. Y.; Li, P.-X.; Ruan, Z.-Y.; Liao, P.-Y.; Ou, C.; **Feng, Y.***; Tong, M.-L.* Integrating Molecular Motions in Ternary Cocrystals for NIR-II Photothermal Conversion. *Angew. Chem. Int. Ed.* **2025**, 64, e202413805.
- 45** Zhao, X.; Young, R. M.*; Tang, C.; Wu, G.; Peinkofer, K. R.; Han, Y.; Yang, S.; Xing, Y.-K.; Han, H.; Wu, H.; Li, X.; **Feng, Y.**; Zhang, R.; Stern, C. L.; Wasielewski, M. R.*; Stoddart, J. F.* Manipulating Symmetry-Breaking Charge Separation Employing Molecular Recognition. *Chem* **2025**, 11, 102248.
- 44** **Feng, Y.##**; Zhao, X.#; Appleton, D. A.#; Han, H.; Young, R. M.; Liu, W.; Lee, C. K.; Li, W.; Liu, B.-T.; Wu, Y.; Tang, C.; Chen, A. X.-Y.; Stern, C. L.; Kim, D. J.; Wasielewski, M. R.; Qiu, Y.*; Stoddart, J. F.* Chalcogenoviologen Enhanced Host-Guest Recognition. *CCS Chem.* **2024**, 6, 2679–2691.
- 43** Ou, C.#; Lv, J.#; Lim, A. J.; Guo, Q.-H.*; **Feng, Y.*** A Light-Driven Chloride Anion Transporter. *Chem* **2024**, 10, 2940–2942.
- 42** Lee, C. K.; **Feng, Y.**; Tajiki, M.; Violi, J. P.; Donald, W. A.; Stoddart, J. F.*; Kim, D. J.* Concise and Efficient Synthesis of Isomeric Hetero[3]rotaxanes. *J. Am. Chem. Soc.* **2024**, 146, 27109–27116.
- 41** Mahapatra, S.#; Qian, D.#; Zhang, R.; Yang, S.; Li, P.; **Feng, Y.**; Zhang, L.; Wu, H.; Seale, J. S. W.; Das, P. J.; Jha, P. K.; Kohlstedt, K. L.; Olvera de la Cruz, M.*; Stoddart, J. F.* Hydrogen-Bonded Fibers Assembled from Trigonal Prismatic Building Blocks. *J. Am. Chem. Soc.* **2024**, 146, 21689–21699.
- 40** Su, P.*; Zhu, X.; Wilson, S. M.; **Feng, Y.**; Samayoa-Oviedo, H. Y.; Sonnendecker, C.; Smith, A. J.; Zimmermann, W.; Laskin, J.* The Effect of Host Size on Binding in Host-Guest Complexes of Cyclodextrins and Polyoxometalates. *Chem. Sci.* **2024**, 15, 11825–11836.

Publications**(Continued)****#Equal Contribution*****Corresponding Author**

- 39** Hu, Y.; Ou, J. T.; Huang, J. Y.; **Feng, Y.*** Increasing Polymer Scission Rate by Tying an Overhand Knot. *Sci. China Chem.* **2024**, 67, 3498–3499.
- 38** **Feng, Y.*** From Mentee to Mentor: Advice for New Principal Investigators. *Trend Chem.* **2024**, 6, 342–345.
- 37** Wu, Y.#; Tang, C.#; Lee, J. T.; Zhang, R.; Bhunia, S.; Kundu, P.; Stern, C. L.; Chen, A. X.-Y.; Shen, D.; Yang, S.; Han, H.; Li, X.; Wu, H.; **Feng, Y.**; Armstrong, D. W.*; Stoddart, J. F.* Metal-Assisted Carbohydrate Assembly. *J. Am. Chem. Soc.* **2024**, 146, 9801–9810.
- 36** Zhao, C.-X. Li, X.-Y.; Han, H.; **Feng, Y.**; Tang, C.; Li, X.; Zhang, L.; Stern, C. L.; Zhang, Q.*; Stoddart, J. F.* Analytical Noncovalent Electrochemistry for Battery Engineering. *Nat. Chem. Eng.* **2024**, 1, 251–260.
- 35** Li, T.; Liu, J.-C.; Liu, E.-P.; Liu, B.-T.; Wang, J.-Y.; Liao, P.-Y.; Jia, J.-H.; **Feng, Y.***; Tong, M.-L.* NIR-II Photothermal Conversion and Imaging Based on a Cocrystal containing Twisted Components. *Chem. Sci.* **2024**, 15, 1692–1699.
- 34** Wang, C.-H.; Lin, Y.-C.; Bhunia, S.; **Feng, Y.**; Kundu, P.; Stern, C. L.; Chen, P.-L.; Kuo, T.-S.; Stoddart, J. F.; Horie, M.* Photosalience and Thermal Phase Transitions of Azobenzene- and Crown Ether-Based Complexes in Polymorphic Crystals. *J. Am. Chem. Soc.* **2023**, 145, 21378–21386.
- 33** Xie, F.; Mao, H.; Lin, C.; **Feng, Y.**; Stoddart, J. F.; Young, R. M.*; Wasielewski, M. R.* Quantum Sensing of Electric Fields using Spin-Correlated Radical Ion Pairs. *J. Am. Chem. Soc.* **2023**, 145, 14922–14931.
- 32** Chen, H.*; Roy, I.; Myong, M. S.; Seale, J. S. W.; Cai, K.; Jiao, Y.; Liu, W.; Song, B.; Zhang, L.; Zhao, X.; **Feng, Y.**; Liu, F.; Young, R. M.*; Wasielewski, M. R.*; Stoddart, J. F.* Triplet–Triplet Annihilation Upconversion in a Porphyrinic Molecular Container. *J. Am. Chem. Soc.* **2023**, 145, 10061–10070.
- 31** Kim, T.#; **Feng, Y.#**; O'Connor, J. P.; Stoddart, J. F.*; Young, R. M.*; Wasielewski, M. R.* Coherent Vibronic Wavepackets Show Structure-Directed Charge Flow in Host-Guest Donor-Acceptor Complexes. *J. Am. Chem. Soc.* **2023**, 145, 8389–8400.
- 30** Zhang, L.*; Qiu, Y.; Liu, W.-G.; Chen, H.; Shen, D.; Song, B.; Cai, K.; Wu, H.; Jiao, Y.; **Feng, Y.**; Seale, J. S. W.; Pezzato, C.; Jia, T.; Tan, Y.; Chen, X.-Y.; Guo, Q.-H.; Stern, C. L.; Philp, D.; Astumian, R. D.*; Goddard III, W. A.*; Stoddart, J. F.* An Electric Molecular Motor. *Nature* **2023**, 613, 280–286.
- 29** Jiao, Y.; Mao, H.; Qiu, Y.; Wu, G.; Chen, H.; Zhang, L.; Han, H.; Li, X.; Zhao, X.; Tang, C.; Chen, X.-Y.; **Feng, Y.**; Stern, C. L.; Wasielewski, M. R.; Stoddart, J. F.* Mechanical Bond-Assisted Full-Spectrum Investigation of Radical Interactions. *J. Am. Chem. Soc.* **2022**, 144, 23168–23178.
- 28** Seale, J. S. W.; **Feng, Y.**; Feng, L.*; Astumian, R. D.*; Stoddart, J. F.* Polyrotaxanes and the Pump Paradigm. *Chem. Soc. Rev.* **2022**, 51, 8450–8475.
- 27** Wu, Y.; Qiu, Y.; **Feng, Y.**; Stoddart, J. F.* Automating Glycan Assembly in Solution. *ACS Cent. Sci.* **2022**, 8, 1369–1372.
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Publications**(Continued)****#Equal Contribution*****Corresponding Author**

- 26 Feng, Y.;** Das, P. J.; Young, R. M.; Brown, P. J.; Hornick, J. E.; Weber, J. A.; Seale, J. S. W.; Stern, C. L.; Wasielewski, M. R.; Stoddart, J. F.* Alkoxy-Substituted Quadrupolar Fluorescent Dyes. *J. Am. Chem. Soc.* **2022**, *144*, 16841–16854.
- 25 Wu, Y.;** Guo, Q.-H.*; Qiu, Y.; Weber, J. A.; Young, R. M.; Bancroft, L.; Jiao, Y.; Chen, H.; Song, B.; Liu, W.; **Feng, Y.;** Zhao, X.; Li, X.; Zhang, L.; Chen, X.-Y.; Li, H.; Wasielewski, M. R.; Stoddart, J. F.* Syntheses of Three-Dimensional Catenanes under Kinetic Control. *Proc. Natl. Acad. Sci. U. S. A.* **2022**, *119*, e2118573119.
- 24 Jiao, Y.#;** Qiu, Y.#; Zhang, L.; Liu, W.-G.; Mao, H.; Chen, H.; **Feng, Y.;** Cai, K.; Shen, D.; Song, B.; Chen, X.-Y.; Li, X.; Zhao, X.; Young, R. M.; Stern, C. L.; Wasielewski, M. R.; Astumian, R. D.; Goddard III, W. A.*; Stoddart, J. F.* Electron-Catalysed Molecular Recognition. *Nature* **2022**, *603*, 265–270.
- 23 Li, X.#;** David, A. H. G.#; Zhang, L.; Song, B.; Jiao, Y.; Sluysmans, D.; Qiu, Y.; Wu, Y.; Zhao, X.; **Feng, Y.;** Mosca, L.; Stoddart, J. F.* Fluorescence Quenching by Redox Molecular Pumping. *J. Am. Chem. Soc.* **2022**, *144*, 3572–3579.
- 22 Feng, L.#;** Qiu, Y.#; Guo, Q.-H.; Chen, Z.; Seale, J. S. W.; He, K.; Wu, H.; **Feng, Y.;** Farha, O. K.; Astumian, R. D.; Stoddart, J. F.* Active Mechanisorption Driven by Pumping Cassettes. *Science* **2021**, *374*, 1215–1221.
- 21 Feng, Y.;** Philp, D.* A Molecular Replication Process Drives Supramolecular Polymerization. *J. Am. Chem. Soc.* **2021**, *143*, 17029–17039.
- 20 Liu, W.;** Tan, Y.*; Song, B.; Guo, Q.-H.; Zhang, L.; Qiu, Y.; **Feng, Y.;** Chen, X.-Y.; Stoddart, J. F.* PCage: Fluorescent Molecular Temples for Binding Sugars in Water. *J. Am. Chem. Soc.* **2021**, *143*, 15688–15700.
- 19 Chen, X.-Y.;** Mao, H.; **Feng, Y.;** Cai, K.; Shen, D.; Wu, H.; Zhang, L.; Zhao, X.; Chen, H.; Song, B.; Jiao, Y.; Wu, Y.; Stern, C. L.; Wasielewski, M. R.; Stoddart, J. F.* Radically Enhanced Dual Recognition. *Angew. Chem. Int. Ed.* **2021**, *60*, 25454–25462.
- 18 Guo, Q.-H.#*;** Jiao, Y.#; **Feng, Y.#;** Stoddart, J. F.* The Rise and Promise of Molecular Nanotopology. *CCS Chem.* **2021**, *3*, 1542–1572.
- 17 Jiao, Y.#;** Đorđević, L.#; Mao, H.; Young, R. M.; Jaynes, T.; Chen, H.; Qiu, Y.; Cai, K.; Zhang, L.; Chen, X.-Y.; **Feng, Y.;** Wasielewski, M. R.; Stupp, S. I.*; Stoddart, J. F.* A Donor-Acceptor [2]Catenane for Visible Light Photocatalysis. *J. Am. Chem. Soc.* **2021**, *143*, 8000–8010.
- 16 Feng, Y.;** Ovalle, M.; Seale, J. S. W.; Lee, C. K.; Kim, D. J.; Astumian, R. D.*; Stoddart, J. F.* Molecular Pumps and Motors. *J. Am. Chem. Soc.* **2021**, *143*, 5569–5591.
- 15 Chen, X.-Y.;** Shen, D.; Cai, K.; Jiao, Y.; Wu, H.; Song, B.; Zhang, L.; Tan, Y.; Wang, Y.; **Feng, Y.;** Stern, C. L.; Stoddart, J. F.* Suit[3]ane. *J. Am. Chem. Soc.* **2020**, *142*, 20152–20160.
- 14 Qiu, Y.;** **Feng, Y.;** Guo, Q.-H.; Astumian, R. D.*; Stoddart, J. F.* Pumps through the Ages. *Chem* **2020**, *6*, 1952–1977.
-

Publications**(Continued)****#Equal Contribution*****Corresponding Author**

- 13** Guo, Q.-H.#; Qiu, Y.#; Kuang, X.; Liang, J.; **Feng, Y.**; Zhang, L.; Jiao, Y.; Shen, D.; Astumian, R. D.*; Stoddart, J. F.* Artificial Molecular Pump Operating in Response to Electricity and Light. *J. Am. Chem. Soc.* **2020**, *142*, 14443–14449.
- 12** Qiu, Y.; Song, B.; Pezzato, C.; Shen, D.; Liu, W.; Zhang, L.; **Feng, Y.**; Guo, Q.-H.; Cai, K.; Li, W.; Chen, H.; Nguyen, M. T.; Shi, Y.; Cheng, C.; Astumian, R. D.*; Li, X.*; Stoddart, J. F.* A Precise Polyrotaxane Synthesizer. *Science* **2020**, *368*, 1247–1253.
- 11** Qiu, Y.; Chen, H.; **Feng, Y.**; Schott, M. E.; Stoddart, J. F.* Stitching up the Belt[*n*]arenes. *Chem* **2020**, *6*, 826–829.
- 10** Cai, K.; Mao, H.; Liu, W.-G.; Qiu, Y.; Shi, Y.; Zhang, L.; Shen, D.; Chen, H.; Jiao, Y.; Wu, H.; Liu, Z.; **Feng, Y.**; Stern, C. L.; Wasielewski, M. R.; Goddard III, W. A.; Stoddart, J. F.* Highly Stable Organic Bisradicals Protected by Mechanical Bonds. *J. Am. Chem. Soc.* **2020**, *142*, 7190–7197.
- 9** Guo, Q.-H.; Zhou, J.; Mao, H.; Qiu, Y.; Nguyen, M. T.; **Feng, Y.**; Liang, J.; Shen, D.; Li, P.; Liu, Z.; Wasielewski, M. R.; Stoddart, J. F.* TetrazineBox: A Structurally Transformative Toolbox. *J. Am. Chem. Soc.* **2020**, *142*, 5419–5428.
- 8** Astumian, R. D.*; Pezzato, C.; **Feng, Y.**; Qiu, Y.; McGonigal, P. R.; Cheng, C.; Stoddart, J. F. Non-Equilibrium Kinetics and Trajectory Thermodynamics of Synthetic Molecular Pumps. *Mater. Chem. Front.* **2020**, *4*, 1304–1314.
- 7** Chen, H.#; Zheng, H.#; Hu, C.#; Cai, K.; Jiao, Y.; Zhang, L.; Jiang, F.; Roy, I.; Qiu, Y.; Shen, D.; **Feng, Y.**; Alsubaie, F. M.; Guo, H.*; Hong, W.*; Stoddart, J. F.* Giant Conductance Enhancement of Intramolecular Circuits through Interchannel Gating. *Matter* **2020**, *2*, 378–389.
- 6** Qiu, Y.; Zhang, L.; Pezzato, C.; **Feng, Y.**; Li, W.; Nguyen, M. T.; Cheng, C.; Shen, D.; Guo, Q.-H.; Shi, Y.; Cai, K.; Alsubaie, F. M.; Astumian, R. D.; Stoddart, J. F.* A Molecular Dual Pump. *J. Am. Chem. Soc.* **2019**, *141*, 17472–17476.
- 5** Jiao, T.; Cai, K.; Nelson, J. N.; Jiao, Y.; Qiu, Y.; Wu, G.; Zhou, J.; Cheng, C.; Shen, D.; **Feng, Y.**; Liu, Z.; Wasielewski, M. R.*; Stoddart, J. F.*; Li, H.* Stabilizing the Naphthalenediimide Radical within a Tetracationic Cyclophane. *J. Am. Chem. Soc.* **2019**, *141*, 16915–16922.
- 4** Zhou, X.#; McCallum, N. C.#; Hu, Z.; Cao, W.; Gnanasekaran, K.; **Feng, Y.**; Stoddart, J. F.; Wang, Z.*; Gianneschi, N. C.* Artificial Allomelanin Nanoparticles. *ACS Nano* **2019**, *13*, 10980–10990.
- 3** Jiao, T.; Cai, K.; Liu, Z.; Wu, G.; Shen, L.; Cheng, C.; **Feng, Y.**; Stern, C. L.; Stoddart, J. F.*; Li, H.* Guest Recognition Enhanced by Lateral Interactions. *Chem. Sci.* **2019**, *10*, 5114–5123.
- 2** Cai, K.; Lipke, M. C.; Liu, Z.; Nelson, J.; Cheng, T.; Shi, Y.; Cheng, C.; Shen, D.; Han, J.-M.; Vemuri, S.; **Feng, Y.**; Stern, C. L.; Goddard III, W. A.; Wasielewski, M. R.; Stoddart, J. F.* Molecular Russian Dolls. *Nat. Commun.* **2018**, *9*, 5275.
- 1** Zeng, L.; Guo, Q.-H.; **Feng, Y.**; Xu, J.-F.; Wei, Y.; Li, Z.; Wang, M.-X.; Zhang, X.* Host-Guest Interaction between Corona[*n*]arene and Bisquaternary Ammonium Derivatives for Fabricating Supra-Amphiphile. *Langmuir* **2017**, *33*, 5829–5834.

Patents	1 Feng, Y.; Stoddart, J. F. Substituted Quadrupolar Fluorescent Dyes for Live Cell Imaging. <i>US Patent</i> , 2025 , 18828883.	
Peer Review	14 Science China Materials / SCMS-2025-0949 Springer / Associate Editor: Feng Gao 高峰	2025
	13 ACS Materials Letters / TZ-2025-00638J ACS Publications / Deputy Editor: Hong-Cai Zhou 周宏才	2025
	12 Israel Journal of Chemistry / IJCH.1858444 Wiley-VCH / Associate Editor: Charles E Diesendruck	2025
	11 Science China Materials / SCMS-2025-0224 Springer / Associate Editor: Xuesi Chen 陈学思	2025
	10 Nature Communication / NCOMMS-25-10046-T Nature Portfolio / Chief Editor: Margherita Citroni	2025
	9 Science China Chemistry / SCC-2024-0786 Springer / Associate Editor: Ben Zhong Tang 唐本忠	2024
	8 Journal of the American Chemical Society / JA-2024-05376B ACS Publications / Associate Editor: Omar M Yaghi	2024
	7 Israel Journal of Chemistry / IJCH.202400025 Wiley-VCH / Guest Editor: Víctor García-López	2024
	6 STAR Protocols / STAR-PROTOCOLS-D-24-00033 Cell Press / Scientific Editor: Leila Shokri	2024
	5 Journal of the American Chemical Society / JA-2023-14200R ACS Publications / Associate Editor: Omar M Yaghi	2024
	4 Journal of Molecular Structure / MOLSTRUC-D-23-07696 Elsevier ScienceDirect / Editor: Luca Evangelisti	2023
	3 Journal of the American Chemical Society / JA-2023-08630Y ACS Publications / Associate Editor: Omar M Yaghi	2023
	2 Journal of Physical Chemistry Letters / JZ-2022-02960J ACS Publications / Senior Editor: Haizheng Zhong 钟海政	2022
	1 Journal of the American Chemical Society / JA-2021-09385X ACS Publications / Associate Editor: Omar M Yaghi	2021
Academic Appointment	3 Private Grant Advisor Molecular Nanotechnology Fast Grant / Foresight Institute	2025-Now
	2 Society Local Section Chair Oklahoma Section of the American Chemical Society	2025-Now
	1 Early Career Board Precision Chemistry / ACS Publications	2024-Now
Oral Presentations	56 Gordon Research Conference: Artificial Molecular Switches and Motors <i>June 2025 / Colby-Sawyer College / New London / New Hampshire / United States</i> <i>Molecular Motors Driven by Electrons and Protons</i>	

**Oral
Presentations
(Continued)**

- 55 Gordon Research Seminar: Artificial Molecular Switches and Motors**
June 2025 / Colby-Sawyer College / New London / New Hampshire / United States
An Aqueous Artificial Molecular Pump
- 54 Glenn T Seaborg Symposium**
March 2025 / University of California, Los Angeles / Los Angeles / California / United States
From Light to Heat – Doing New Things in Oklahoma
- 53 The 66th American Chemical Society Pentasectional Meeting**
March 2025 / Oral Roberts University / Tulsa / Oklahoma / United States
Manipulation of Cocrystals for Photothermal Conversion
- 52 Fraser Stoddart Memorial Meeting**
February 2024 / The Standing Order / Edinburgh / United Kingdom
In Memorial of My Dearest Mentor – Fraser Stoddart
- 51 Invited Talk by the OU Society of Asian Scientists and Engineers**
November 2024 / University of Oklahoma / Norman / Oklahoma / United States
From a Student to a Professor – My Story with Chemistry over the Past 15 Years
- 50 The 80th American Chemical Society Southwest Regional Meeting**
October 2024 / Waco Convention Center / Waco / Texas / United States
Molecular Motors Driven by Electrons and Protons
- 49 Molecular Machinery: Modelling, Making, Measuring Meeting**
September 2024 / Fortress of Bertinoro / Bertinoro / Emilia-Romagna / Italy
Molecular Motors Driven by Electrons and Protons
- 48 New PhD Students Welcome Seminar in the Department of Chemistry and Biochemistry at the University of Oklahoma**
August 2024 / University of Oklahoma / Norman / Oklahoma / United States
Joining Yuanning Feng Research Group to Play with Smart Molecules Together
- 47 Invited Talk by Tsinghua Shenzhen International Graduate School**
August 2024 / Tsinghua Shenzhen International Graduate School / Shenzhen / Guangdong / China
Molecular Replication and Polymerization Driven by Biomimicking Autocatalysis
- 46 The 22nd Chinese National Symposium on Macrocyclic Chemistry and the 14th Chinese National Symposium on Supramolecular Chemistry**
July 2024 / Chenggong Yinyuan Hotel / Kunming / Yunnan / China
Molecular Replication and Polymerization Driven by Biomimicking Autocatalysis
- 45 Invited Talk by Hunan University**
July 2024 / Hunan University / Changsha / Hunan / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators
- 44 Invited Talk by the University of Hong Kong**
June 2024 / University of Hong Kong / Hong Kong / China
Manipulation of Cocrystals for New Applications
- 43 ShanghaiTech University System Materials Division Seminar**
June 2024 / ShanghaiTech University / Shanghai / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

**Oral
Presentations
(Continued)**

42 East China Normal University Master Lecture Series Academic Seminar

June 2024 / East China Normal University / Shanghai / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

41 Invited Talk by Shanghai Jiao Tong University

June 2024 / Shanghai Jiao Tong University / Shanghai / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

40 Invited Talk by East China University Science and Technology

June 2024 / East China University Science and Technology / Shanghai / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

39 Invited Talk by South-Central Minzu University

June 2024 / South-Central Minzu University / Wuhan / Hubei / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

38 Long Feng Science Forum Seminar Series

May 2024 / Chinese University of Hong Kong – Shenzhen / Shenzhen / Guangdong / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

37 Chongqing University Academic Master Lecture

May 2024 / Chongqing University / Chongqing / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

36 Smart Molecules and Sensing Symposium

May 2024 / Xi'an Jiaotong University / Xi'an / Shannxi / China
Manipulation of Cocrystals for New Applications

35 Key Laboratory of Molecular Recognition and Function Academic Lecture

May 2024 / Institute of Chemistry Chinese Academy of Sciences / Beijing / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

34 Beijing University of Chemical Technology Soft Matter Research Center Seminar

May 2024 / Beijing University of Chemical Technology / Beijing / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

33 The Quinoa Mini Salon by Tsinghua Zhili College

May 2024 / Tsinghua University / Beijing / China
Story Telling by an Alumni – My Fate with Scientific Research

32 Invited Talk by Beijing Normal University

May 2024 / Beijing Normal University / Beijing / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

31 Invited Talk by the Fujian Institute of Research on the Structure of Matter

May 2024 / Fujian Institute of Research on the Structure of Matter / Fuzhou / Fujian / China
A Tale of Two in the Nanoscale – Molecular Pumps and Replicators

30 Post-ISMSC Meeting at Xiamen University

May 2024 / Xiamen University / Xiamen / Fujian / China
Manipulation of Cocrystals for New Applications

**Oral
Presentations
(Continued)**

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- 29 Invited Talk by the OU Math Club at the University of Oklahoma**
March 2024 / University of Oklahoma / Norman / Oklahoma / United States
Tying the Tiniest Knot and Weaving the Thinnest Fabric
- 28 American Chemical Society Leadership Institute**
January 2024 / The Westin Peachtree Plaza / Atlanta / Georgia / United States
Local Section Proposal: *Joint Science Center and Seminar for Families*
- 27 Foresight Molecular Systems Design Workshop**
September 2023 / Salesforce Tower / San Francisco / California / United States
Molecular Legos – Solid Phase Synthesis of Molecular Machines
- 26 Foresight Molecular Systems Design Workshop**
September 2023 / Salesforce Tower / San Francisco / California / United States
Molecular Machines Tech Tree
- 25 New Faculty Welcome Seminar in the Department of Chemistry and Biochemistry at the University of Oklahoma**
September 2023 / University of Oklahoma / Norman / Oklahoma / United States
Yuanning Feng Research Group – Playing with Smart Molecules Together
- 24 New PhD Students Welcome Seminar in the Department of Chemistry and Biochemistry at the University of Oklahoma**
August 2023 / University of Oklahoma / Norman / Oklahoma / United States
Joining Yuanning Feng Research Group to Play with Smart Molecules Together
- 23 The 265th American Chemical Society Meeting**
March 2023 / Indiana Convention Center / Indianapolis / Indiana / United States
Fluorescent Dyes Based on Alkoxy Quadrupolar Backbones
- 22 Research Seminar in the Department of Chemistry and Biochemistry at the University of Arkansas**
March 2023 / University of Arkansas / Fayetteville / Arkansas / United States
A Tale of Two Different Systems – Artificial Molecular Pump | Molecular Replicators
- 21 Research Seminar in the Department of Chemistry and Biochemistry at the University of Oklahoma**
February 2023 / University of Oklahoma / Norman / Oklahoma / United States
A Tale of Two Different Systems – Artificial Molecular Pump | Molecular Replicators
- 20 Basolo-Ibers-Pearson Informal Inorganic Chalk Talk**
January 2023 / Northwestern University / Evanston / Illinois / United States
Molecular Replication Makes Supramolecular Polymers
- 19 The Foresight Institute Vision Weekend**
December 2022 / Internet Archive / San Francisco / California / United States
A. The Molecular Machines Tech Tree
- 18 The Foresight Institute Nanotech Seminar Series**
October 2022 / Online
A. The Molecular Machines Tech Tree
- 17 The 264th American Chemical Society Meeting**
August 2022 / McCormick Place Convention Center / Chicago / Illinois / United States
A Molecular Replication Process Drives Supramolecular Polymerization
-

**Oral
Presentations
(Continued)**

16 Long Feng Science Forum

August 2022 / Online

A Molecular Replication Process Drives Supramolecular Polymerization

15 Chemistry Graduate Recognition Ceremony and Reception

June 2022 / Northwestern University / Evanston / Illinois / United States

PhD Student Representative Lecture

14 Stoddart Institute of Molecular Sciences International Meeting

March 2022 / Online

A Molecular Replication Process Drives Supramolecular Polymerization

13 The Foresight Institute Nanotech Seminar Series

February 2022 / Online

A Molecular Replication Process Drives Supramolecular Polymerization

12 Invited Talk by the Ti Lab at the University of California, Berkeley

December 2021 / University of California, Berkeley / Berkeley / California / United States

The Rise and Promise of Artificial Molecular Machines

11 The Foresight Institute Vision Weekend

December 2021 / The Bird House / Berkeley / California / United States

Foresight Institute Distinguished Student Award Acceptance Speech

10 The Foresight Institute Vision Weekend

December 2021 / Internet Archive / San Francisco / California / United States

Will We Achieve Feynman's Vision for Molecular Machines? What's the Path ahead?

**9 The Foresight Institute Workshop: Contemporary Materials Sciences –
How can Molecular Machines Help?**

September 2019 / Hilton Orrington / Evanston / Illinois / United States

Turing-Universal Molecular Machines: Rotaxane Automata

8 Northwestern University Third-Year Organic Seminar Series

May 2019 / Northwestern University / Evanston / Illinois / United States

A Self-Replicating Supramolecular Polymer

**7 Global Young Talent Forum and the 2nd Sino-Foreign Postgraduates
Exchange Forum**

September 2018 / Beijing University of Chemical Technology / Beijing / China

Four-Stroke Molecular Rotary Motors Based on [3]Catenanes

6 Seek Truth Salon

September 2018 / Beijing Institute of Technology / Beijing / China

How I Played Chemistry: My Story of the Past Decade

**5 The Foresight Institute Workshop: Integrated Molecular Machines: From
Materials to Nanosystems**

May 2018 / Washington University in St Louis / St Louis / Missouri / United States

Nanofluidic Bearings

4 Tsinghua Spark Forum

October 2017 / Tsinghua University / Beijing / China

Meet a Nobel Knight and a Tsinghua Adventurer Face-to-Face

**Oral
Presentations
(Continued)**

3 A Golden Age of Chemistry Symposium

June 2017 / University of Nottingham / Nottinghamshire / Nottingham / United Kingdom

A Single-Molecule Pump Based on Solid-State Nanopores

2 Chinese Youth Chemist Forum

May 2016 / Peking University / Beijing / China

The Construction of a Sulfur Bridged Macrocyclic Host – S_6 -Corona[n]arene

1 Chinese Youth Chemist Forum

May 2016 / Peking University / Beijing / China

Student Representative Lecture at the Opening Remark

**Poster
Presentations**

23 Materials and Process Simulation Center Conference

March 2025 / California Institute of Technology / Pasadena / California / United States

Manipulation of Cocrystals for Photothermal Conversion

22 The 269th American Chemical Society Meeting

March 2025 / San Diego Convention Center / San Diego / California / United States

Manipulation of Cocrystals for Photothermal Conversion

21 The 3rd North American Supramolecular Chemistry Meeting

December 2022 / Hampton Inn & Suites New Orleans Convention Center / New Orleans / Louisiana / United States

Manipulation of Cocrystals for NIR-II Photothermal Conversion

**20 The Advanced Materials for the Future of the Oklahoma Economy:
Challenges and Opportunities Symposium**

November 2024 / University of Oklahoma / Norman / Oklahoma / United States

NIR-II Photothermal Conversion and Imaging Based on a Cocrystal containing Twisted Components

19 Great Plains Catalysis Society Symposium

August 2024 / University of Oklahoma / Norman / Oklahoma / United States

Molecular Replication and Polymerization Driven by Biomimicking Autocatalysis

**18 The 22nd Chinese National Symposium on Macrocyclic Chemistry and the
14th Chinese National Symposium on Supramolecular Chemistry**

July 2024 / Chenggong Yinyuan Hotel / Kunming / Yunnan / China

Four-Stroke Molecular Rotary Motors Based on [3]Catenanes

17 The 18th International Symposium of Macrocyclic and Supramolecular Chemistry

May 2024 / Hangzhou Blossom Water Museum Hotel / Hangzhou / Zhejiang / China

Near-Infrared Emission Organic Cocrystals Based on Twisted Component

16 The 2nd North American Supramolecular Chemistry Meeting

December 2023 / Loyola University / New Orleans / Louisiana / United States

Playing with Smart Molecules Together

15 Gordon Research Conference: Artificial Molecular Switches and Motors

June 2023 / Colby-Sawyer College / New London / New Hampshire / United States

Molecular Pumping in Water

**Poster
Presentations
(Continued)**

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- 14 The 1st North American Supramolecular Chemistry Meeting**
December 2022 / Loyola University / New Orleans / Louisiana / United States
Alkoxy-Substituted Quadrupolar Fluorescent Dyes
- 13 The 5th World Laureates Forum**
November 2022 / World Laureates Association / Shanghai / China and Online
Alkoxy-Substituted Quadrupolar Fluorescent Dyes
- 12 Gordon Research Conference on Systems Chemistry**
June 2022 / Jordan Hotel at Sunday River / Newry / Maine / United States
Molecular Replication Process Drives Supramolecular Polymerization
- 11 The 16th International Symposium of Macrocyclic and Supramolecular Chemistry**
June 2022 / University of Oregon / Eugene / Oregon / United States
A Molecular Replication Process Drives Supramolecular Polymerization
- 10 The 263rd American Chemical Society Meeting**
March 2022 / San Diego Convention Center / San Diego / California / United States
Sustainable Artificial Molecular Pump Working for Unidirectional Transport
- 9 The 4th World Laureates Forum**
November 2021 / World Laureates Association / Shanghai / China and Online
A Molecular Replication Process Drives Supramolecular Polymerization
- 8 Gordon Research Conference on Complex Active and Adaptive Material Systems**
January 2019 / Ventura Beach Marriott / Ventura / California / United States
A Molecular Dual Pump
- 7 Gordon Research Conference on Systems Chemistry**
July 2018 / Jordan Hotel at Sunday River / Newry / Maine / United States
Four-Stroke Molecular Rotary Motors Based on [3]Catenanes
- 6 The 13th International Symposium of Macrocyclic and Supramolecular Chemistry**
July 2018 / Centre des congrès de Québec / Québec City / Québec / Canada
Four-Stroke Molecular Rotary Motors Based on [3]Catenanes
- 5 Telluride Conference: Molecular Rotors, Motors, and Switches**
June 2018 / Telluride Science Research Center / Telluride / Colorado / United States
Four-Stroke Molecular Rotary Motors Based on [3]Catenanes
- 4 The ACS Publications Symposium: Innovation in Molecular Synthesis**
October 2017 / Shanghai Institute of Organic Chemistry / Shanghai / China
A Four-Stroke Rotary Motor Based on a [3]Catenane
- 3 The ACS Publications Symposium: Innovation in Molecular Synthesis**
October 2017 / Shanghai Institute of Organic Chemistry / Shanghai / China
Single-Molecule Pumps Based on Solid-State Nanopores
- 2 The 12th International Symposium of Macrocyclic and Supramolecular Chemistry**
July 2017 / University of Cambridge / Cambridgeshire / Cambridge / United Kingdom
Single-Molecule Pumps Based on Solid-State Nanopores
- 1 Gordon Research Conference: Artificial Molecular Switches and Motors**
June 2017 / Holderness School / Holderness / New Hampshire / United States
A Single-Molecule Pump Based on Solid-State Nanopores
-

Chair / Host Conference Sections	9 Host / Oklahoma Section of the American Chemical Society March Meeting <i>March 2023</i> / Oklahoma State University–Oklahoma City / Oklahoma City / Oklahoma / United States Idris Raji	
	8 Host and Inviter / Karcher Honorary Lecture at the University of Oklahoma <i>November 2024</i> / University of Oklahoma / Norman / Oklahoma / United States Peter J Stang	
	7 Section Chair / The 18th International Symposium of Macrocyclic and Supramolecular Chemistry <i>May 2024</i> / Hangzhou Blossom Water Museum Hotel / Hangzhou / Zhejiang / China Teppei Yamada 山田 鉄兵 / Zhan-Ting Li 黎占亭 / Evgeny Kataev / Wen-Bin Zhang 张文彬 / Jochen Niemeyer / Qing-Zheng Yang 杨清正 / Yiyong Mai 麦亦勇 / Yongfeng Zhou 周永丰	
	6 Host / Oklahoma Section of the American Chemical Society April Meeting <i>April 2023</i> / University of Central Oklahoma / Edmund / Oklahoma / United States Vivek K Bajpai	
	5 Host / Oklahoma Section of the American Chemical Society March Meeting <i>March 2023</i> / University of Oklahoma / Norman / Oklahoma / United States Hyunho Noh 노현호	
	4 Section Chair / The 2nd North American Supramolecular Chemistry Meeting <i>December 2023</i> / Loyola University / New Orleans / Louisiana / United States Kristin Bowman-James / Wenqi Liu 刘文奇 / Kejia Shi 拾可嘉 / Matthew Dixon	
	3 Host and Inviter / Karcher Honorary Lecture at the University of Oklahoma <i>November 2023</i> / University of Oklahoma / Norman / Oklahoma / United States Jonathan L Sessler	
	2 Section Chair / The Conference of Promoting New Chemistry <i>September 2018</i> / Beijing Institute of Technology / Beijing / China David A Leigh	
	1 Section Chair / The 2nd British–Chinese Symposium of Supramolecular Chemistry and Material Sciences <i>September 2018</i> / Zhejiang University / Hangzhou / Zhejiang / China Zhichang Liu 刘志常 / Andrew C H Sue 苏纪豪 / J Fraser Stoddart	
Independent Mentorship	30 BSc Student / R Adelaide Schwabe University of Oklahoma	2025–Now
	29 BSc Student / Maham Saqib Saeed مهام صاقب سعيد University of Oklahoma	2025–Now
	28 Postdoctoral Research Associate / Xuanfu Zhu 朱烜甫 University of Oklahoma	2025–Now
	27 PhD Student / Nima Khaleghi نیما خالقی University of Oklahoma	2025–Now
	26 BSc Student / Meiling Wade University of Oklahoma	2025–Now

Independent Mentorship (Continued)	25 BSc Student / Moaz Asim معاذ عاصم University of Oklahoma	2024
	24 BSc Student / Joshua A Gottlieb University of Oklahoma	2024-Now
	23 BSc Student / Zaid Alkalani زيد الكيلاني University of Oklahoma	2024-Now
	22 BSc Student / Kade P Littlefield University of Oklahoma	2024-2025
	21 BSc Student / Kevin A Villalba-Orozco University of Oklahoma	2024-Now
	20 PhD Rotation Student / Yuheng Hu 胡宇恒 University of Oklahoma	2024
	19 BSc Student / Camille E Morrison University of Oklahoma	2024
	18 BSc Student / Aaron J Lim 임정섭 University of Oklahoma	2024-Now
	17 Graduate Research Assistant / Miguel A Liuzzi-Vaamonde University of Oklahoma	2024
	16 BSc Student + Graduate Research Assistant / Jennifer T Ou 吴晶丽 University of Oklahoma	2024-Now
	15 BSc Student / Mandisa K Masonya University of Oklahoma	2024
	14 BSc Student / Daniel A Appleton University of Oklahoma	2024-Now
	13 Postdoctoral Research Associate / Chenxin Ou 区晨昕 University of Oklahoma	2024
	12 BSc Student / Michelle N Cao Cao Nhã Anh University of Oklahoma	2024
	11 BSc Student / Sheridan K Munoz University of Oklahoma	2024
	10 BSc Student / Niharika Ashutosh Sule निहारिका आशुतोष सुळे University of Oklahoma	2024-Now
	9 BSc Student + Graduate Research Assistant / Jim Y Huang 黄毅 University of Oklahoma	2023-2025
	8 BSc Student / Jackson B Lancaster University of Oklahoma	2023-2025
	7 BSc Student / Natalie P Chapel University of Oklahoma	2023-2024
	6 PhD Rotation Student / Muhammad Sani Muhammad University of Oklahoma	2023
	5 BSc Student / Kiran N Naidu University of Oklahoma	2023-2024

Independent Mentorship (Continued)	4 BSc Student / Ira J Studebaker University of Oklahoma	2023-2025
	3 BSc Student + Graduate Research Assistant / Samantha A Mason University of Oklahoma	2023-Now
	2 PhD Rotation Student / Jacob B Solomon University of Oklahoma	2023
	1 PhD Rotation Student / Upasana Chatterjee উপাসনা চ্যাটার্জি University of Oklahoma	2023
Collaborative Mentorship	7 BSc Visiting Student / Saif Al-Hashimi سيف آل هاشمي Colgate University	2025-Now
	6 BSc Visiting Student / Huiru Yu 于蕙茹 Beijing Normal University / Co-Supervisor: Qing-Zheng Yang	2024
	5 PhD Visiting Student / Tao Li 李涛 Sun Yat-Sen University / Supervisor: Ming-Liang Tong 童明良	2023-2024
	4 PhD Visiting Peer Mentee / Chang-Xin Zhao 赵长欣 Tsinghua University / Supervisor: Qiang Zhang 张强	2023
	3 BSc Peer Mentee / Luke Malaisrie Northwestern University / Supervisor: J Fraser Stoddart	2022
	2 PhD Visiting Peer Mentee / Chi-Hsien Wang 王祺嫻 National Tsing Hua University / Supervisor: Masaki Horie 堀江 正樹	2022-2023
	1 BSc + PhD Visiting Peer Mentee / Christopher K Lee University of New South Wales / Supervisor: Dong Jun Kim	2020-2023
Course Teaching	3 BSc Course Instructor / Organic Chemistry I: Biological (Honors) University of Oklahoma / 18 Students	FA2025
	3 BSc Course Instructor / Organic Chemistry II: Biological (Honors) University of Oklahoma / 19 Students	SP2025
	2 PhD Course Instructor / Organic Chemistry I: Mechanism and Reactivity University of Oklahoma / 12 Students	FA2024
	1 PhD Course Instructor / Organic Chemistry I: Mechanism and Reactivity University of Oklahoma / 9 Students	FA2023
Course Supervising	15 PhD Course Supervisor / Seminar in Organic Chemistry University of Oklahoma / 12 Students	FA2025
	14 BSc Course Supervisor / First Year Research Experience Program University of Oklahoma / 1 Students	SP2025
	13 BSc Course Supervisor / Honors Research (Honors) University of Oklahoma / 3 Students	SP2025
	12 BSc Course Supervisor / Mentored Research Experience Program University of Oklahoma / 5 Students	SP2025
	11 PhD Course Supervisor / Seminar in Organic Chemistry University of Oklahoma / 12 Students	SP2025

Course Supervising (Continued)	10 BSc Course Supervisor / Honors Research (Honors) University of Oklahoma / 3 Students	FA2024
	9 BSc Course Supervisor / Honors Reading (Honors) University of Oklahoma / 1 Students	FA2024
	8 BSc Course Supervisor / Mentored Research Experience Program University of Oklahoma / 3 Students	FA2024
	7 PhD Course Supervisor / Seminar in Organic Chemistry University of Oklahoma / 10 Students	FA2024
	6 BSc Course Supervisor / First Year Research Experience Program University of Oklahoma / 3 Students	SP2024
	5 BSc Course Supervisor / Honors Research (Honors) University of Oklahoma / 2 Students	SP2024
	4 BSc Course Supervisor / Mentored Research Experience Program University of Oklahoma / 5 Students	SP2024
	3 PhD Course Supervisor / Seminar in Organic Chemistry University of Oklahoma / 13 Students	SP2024
	2 BSc Course Supervisor / Mentored Research Experience Program University of Oklahoma / 4 Students	FA2023
	1 PhD Course Supervisor / Seminar in Organic Chemistry University of Oklahoma / 10 Students	FA2023
Teaching Assistant	6 PhD Course Teaching Assistant / Contemporary Chemistry Northwestern University / Instructor: J Fraser Stoddart / 12 Students	WI2020
	5 PhD Course Teaching Assistant / Organic Spectroscopy Northwestern University / Instructor: Douglas Philp / 10 Students	WI2019
	4 BSc Course Teaching Assistant / Organic Chemistry Lab II Northwestern University / Instructor: Derek W Nelson / 16 Students	SU2017
	3 BSc Course Teaching Assistant / Organic Chemistry Lab I Northwestern University / Instructor: Derek W Nelson / 16 Students	WI2017
	2 BSc Course Teaching Assistant / General Chemistry Lab I Northwestern University / Instructor: Stephanie N Knezz / 16 Students	FA2016
	1 BSc Course Teaching Assistant / General Chemistry Recitation I Northwestern University / Instructor: Veronica M Berns / 9 Students	FA2016
University Service	14 Department Seminar Committee Member Department of Chemistry & Biochemistry / University of Oklahoma	2025-Now
	13 PreMedical Professions Committee Member Academic Advising Resource Center / University of Oklahoma	2025-Now
	12 Friends to International Students Program Host Student: Luyu Niu 牛鲁豫 / University of Oklahoma	2025-Now
	11 Department Graduate Recruiting Committee Member Department of Chemistry & Biochemistry / University of Oklahoma	2024-Now
	10 Department Social Media Committee Chair Department of Chemistry & Biochemistry / University of Oklahoma	2024-Now

University Service	9 Department NMR Spectroscopy Advisory Committee Member	2024–Now
	Department of Chemistry & Biochemistry / University of Oklahoma	
	8 Department Organic Chemistry Teaching Committee Member	2024–Now
	Department of Chemistry & Biochemistry / University of Oklahoma	
	7 University Cooking Club Faculty Supervisor	2024–Now
	President: Aaron J Lim / University of Oklahoma	
	6 Friends to International Students Program Host	2024
	Student: Junhua Chen 陈俊华 / University of Oklahoma	
	5 Department Faculty Meeting Secretary	2023–2024
	Department of Chemistry & Biochemistry / University of Oklahoma	
	4 Department Safety Committee Member	2023–2024
	Department of Chemistry & Biochemistry / University of Oklahoma	
	3 Friends to International Students Program Host	2024
	Student: Han Yi 易晗 / University of Oklahoma	
	2 PreMedical Professions Committee Member	2024
	Academic Advising Resource Center / University of Oklahoma	
	1 Friends to International Students Program Host	2023
	Student: Luyu Niu / University of Oklahoma	

Student Committee	12 PhD Committee Member / Student: Prabhat Kharel	2025–Now
	Chair: Indrajeet Sharma / University of Oklahoma	
	11 PhD Committee Member / Student: Daniel A Nelson	2025–Now
	Chair: Indrajeet Sharma / University of Oklahoma	
	10 PhD Committee Member / Student: Ghath Al Hafez	2024–Now
	Chair: Michele Galizia / University of Oklahoma	
	9 PhD Committee Member / Student: M Sri Abey Vignesh	2024–Now
	Chair: Steven P Crossley / University of Oklahoma	
	8 PhD Committee Member / Student: Fatemeh Naderi Samani	2024–Now
	Chair: Reza Foudazi / University of Oklahoma	
	7 PhD Committee Member / Student: Jacob B Solomon	2024–Now
	Chair: Shikha Singh Chauhan / University of Oklahoma	
	6 PhD Committee Member / Student: Umesh Chaudhary	2024–Now
	Chair: Indrajeet Sharma / University of Oklahoma	
	5 PhD Committee Member / Student: Daniel E Walker	2024–Now
	Chair: Charlies V Rice / University of Oklahoma	
	4 PhD Committee Member / Student: Dan Chen 谌丹	2023–Now
	Chair: Zhibo Yang 杨志柏 / University of Oklahoma	
	3 MSc Committee Member / Student: Daniel C McSwain	2024–2025
	Chair: Charlies V Rice / University of Oklahoma	
	2 MSc Committee Member / Student: Alexis N Rinne	2023–2024
	Chair: Robert H Cichewicz II / University of Oklahoma	
	1 MSc Committee Member / Student: Heather E McClurg	2023–2024
	Chair: Robert H Cichewicz II / University of Oklahoma	

Nominated or Mentored Achievement	11 HST-Wellman Summer Institute for Biomedical Optics Program	2025
	Harvard Medical School / Mentee: Aaron J Lim	
	10 Herbert A and Lela Mitchell Berlin Endowed Scholarship	2025
	Dodge Family College of Arts and Sciences / Mentee: Aaron J Lim	
	9 Dr Floyd E Farha Excellence in Chemistry Scholarship	2025
	Department of Chemistry & Biochemistry / Mentee: Aaron J Lim	
	8 Dodge Family College of Arts and Sciences Academic Scholar Award	2025
	Dodge Family College of Arts and Sciences / Mentee: Aaron J Lim	
	7 President's Award for Outstanding Sophomores	2025
	University of Oklahoma / Mentee: Aaron J Lim	
	6 McNair Scholars Program	2024
Recommended or Supported Promotion	United States Department of Education / Mentee: Kevin A Villalba-Orozco	
	5 Research Showcase Best Undergraduate Poster Award	2024
	Department of Chemistry & Biochemistry / Mentees: Samantha A Mason Jackson B Lancaster Aaron J Lim	
	4 Dick Van der Helm Scholarship	2024
	Department of Chemistry & Biochemistry / Mentee: Samantha A Mason	
	3 Dalton Transactions Poster Award	2022
	University of Oregon / Mentee: Chi-Hsien Wang	
	2 The Foresight Fellowship	2022
	The Foresight Institute / Nominee: James S W Seale	
	1 The Foresight Fellowship	2022
	The Foresight Institute / Nominee: Marco A Ovalle-Martinez	
Mentored Presentations	7 Undergraduate Research Internship in the Hasan Group	2025
	Harvard Medical School / Aaron J Lim	
	6 Undergraduate Research Internship in the Wasielewski Group	2024
	Northwestern University / Huiru Yu	
	5 Doctoral of Philosophy Program Admission	2023
	University of Hong Kong / Pramita Kundu	
	4 Postdoctoral Fellowship in the Stoddart Group	2023
P: Postdoc G: Graduate	University of Hong Kong / Yi-Kang Xing 邢益康	
	3 Postdoctoral Fellowship in the Stoddart Group	2023
	University of Hong Kong / Bai-Tong Liu 刘百桐	
	2 Postdoctoral Fellowship in the Moore Group	2023
	University of Illinois Urbana-Champaign / Fangbai Xie 谢芳柏	
	1 Undergraduate Program Admission	2022
	Northwestern University / Eric Tianrun Yang 杨天润	
Mentored Presentations	13 The 37th OU Honors College Annual Undergraduate Research Day	
	April 2025 / University of Oklahoma / Norman / Oklahoma / United States	
P: Postdoc G: Graduate	Poster: Ou, J. T. (US); Wade, M. (US) <i>The Design and Synthesis of Pentagonal and Hexagonal Cyclophanes</i>	

U: Undergrad	12 The 3rd OUHSC Graduate College Unity Week Poster Hall
S: Student	April 2025 / University of Oklahoma Health Sciences Center / Oklahoma City / Oklahoma / United States
F: Fellow	Poster: Ou, J. T. (US); Wade, M. (US) <i>The Design and Synthesis of Pentagonal and Hexagonal Cyclophanes</i>
V: Visiting	
	11 The 80th American Chemical Society Southwest Regional Meeting
	October 2024 / Waco Convention Center / Waco / Texas / United States
	Poster: Mason, S. A. (US); Lancaster, J. B. (US); Lim, A. J. (US) <i>The Design and Synthesis of Quadrupolar Fluorescent Dyes</i>
	10 The 80th American Chemical Society Southwest Regional Meeting
	October 2024 / Waco Convention Center / Waco / Texas / United States
	Poster: Ou, C. (PF) <i>The Design of a Molecular Motor based on a Redox Switchable Aminoxyl Ring</i>
	9 Departmental Research Showcase
	August 2024 / University of Oklahoma / Norman / Oklahoma / United States
	Poster: Mason, S. A. (US); Lancaster, J. B. (US); Lim, A. J. (US) <i>The Design and Synthesis of Quadrupolar Fluorescent Dyes</i>
	8 Departmental Research Showcase
	August 2024 / University of Oklahoma / Norman / Oklahoma / United States
	Poster: Ou, C. (PF) <i>Four-Stroke Molecular Rotary Motors based on [3]Catenanes</i>
	7 The 36th OU Honors College Annual Undergraduate Research Day
	May 2024 / University of Oklahoma / Norman / Oklahoma / United States
	Poster: Cao, M. N. (US) <i>Synthesis of a 5-Membered Cyclophane</i>
	6 The 36th OU Honors College Annual Undergraduate Research Day
	May 2024 / University of Oklahoma / Norman / Oklahoma / United States
	Poster: Munoz, S. K. (US) <i>Synthesizing Pentagonal Macrocycles</i>
	5 The 36th OU Honors College Annual Undergraduate Research Day
	May 2024 / University of Oklahoma / Norman / Oklahoma / United States
	Poster: Sule, N. A. (US) <i>Supramolecular Antenna Effect in Fluorescent Dyes</i>
	4 Invited Talk by the OU Math Club at the University of Oklahoma
	March 2024 / University of Oklahoma / Norman / Oklahoma / United States
	Oral: Lancaster, J. B. (US); Yu, H. (VUS) <i>Tying the Tiniest Knot and Weaving the Thinnest Fabric</i>
	3 The 2nd North American Supramolecular Chemistry Meeting
	December 2023 / Loyola University / New Orleans / Louisiana / United States
	Poster: Mason, S. A. (US); Chapel, N. P. (US); Lancaster, J. B. (US) <i>A Molecular Replication Process Drives Supramolecular Polymerization.</i>
	2 The 2nd North American Supramolecular Chemistry Meeting
	December 2023 / Loyola University / New Orleans / Louisiana / United States
	Poster: Li, T. (VGS) <i>NIR-II Photothermal Conversion and Imaging Based on a Cocrystal containing Twisted Components.</i>

Mentored Presentations (Continued) **1 The 2nd North American Supramolecular Chemistry Meeting**
December 2023 / Loyola University / New Orleans / Louisiana / United States
Poster: Muhammad, M. S. (GS) *A Four Stroke Molecular Motor Based on a [3]Catenane.*

Professional References **Professor John W Peters** / Departmental Chair
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Zhishan Road / He Tian Building / 1 Qinghuayuan / Beijing 100084 / China
Email: xi@mail.tsinghua.edu.cn

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