

# Yuanning Feng

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

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

<b>Education</b>	<b>Doctor of Philosophy in Chemistry</b>	2016-2021
	Northwestern University / United States	
	<b>Bachelor of Science in Chemical Biology   Honorary in Chemistry</b>	2012-2016
	Tsinghua University / China	
<b>Research Career</b>	<b>Assistant Professor in Chemistry</b>	2023-Now
	University of Oklahoma / United States	
	<b>Postdoctoral Research Fellow in Chemistry</b>	2021-2023
	Northwestern University / United States / Supervisor: J Fraser Stoddart	
	<b>Graduate Research Assistant in Chemistry</b>	2016-2021
	Northwestern University / United States / Supervisor: J Fraser Stoddart	
	<b>Postgraduate Visiting Scholar in Chemistry</b>	2020
	University of New South Wales / Australia / Host: Dong Jun Kim   김동준	
	<b>Undergraduate Research Assistant in Chemistry</b>	2015-2016
<b>Selected Awards and Fellowships</b>	Tsinghua University / China / Supervisor: Xi Zhang   张希	
	<b>Undergraduate Visiting Scholar in Chemistry</b>	2015
	University of Texas at Austin / United States / Host: Jonathan L Sessler	
	<b>Undergraduate Research Assistant in Chemistry</b>	2013-2015
	Tsinghua University / China / Supervisor: Mei-Xiang Wang   王梅祥	
	<b>University of Oklahoma Research Council's Junior Faculty Fellowship</b>	2025
	<b>29th Annual Presidential International Travel Fellowship</b>	2024
	<b>University Library's Alternative Textbook Grant</b>	2024
	<b>Chemical Abstracts Service Future Leaders Top 100</b>	2023
<b>Academic Activities</b>	<b>International Institute for Nanotechnology Outstanding Researcher Award</b>	2022
	<b>Chinese Government Award for Outstanding Self-Finance Students Abroad</b>	2022
	<b>53 Publications</b> including: <b>2</b> <i>Science</i>   <b>2</b> <i>Nature</i>   <b>20</b> <i>J. Am. Chem. Soc.</i>   <b>6</b> <i>Chem</i>	
	<b>3</b> <i>Chem. Sci.</i>   <b>3</b> <i>Angew. Chem. Int. Ed.</i>   <b>2</b> <i>CCS Chem.</i>   <b>2</b> <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>	
	<b>17 Peer-Reviews</b> including: <b>5</b> <i>J. Am. Chem. Soc.</i>   <b>2</b> <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>	
	<b>83 Public Presentations</b> including: <b>60</b> Talks   <b>23</b> Posters	
	<b>39 Mentoring</b> including: <b>2</b> Postdoc   <b>2</b> Doctoral   <b>22</b> Bachelor   <b>13</b> Short or Visiting	
	<b>25 Courses</b> including: <b>4</b> Lecture   <b>15</b> Supervision   <b>6</b> Teaching Assistant	
	<b>Chair</b> for the 2025 Oklahoma Section of the American Chemical Society	
	<b>Early Career Board Member</b> of <i>Precis. Chem.</i>	

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

<b>Publications</b>	<b>53</b>	Lee, C. K.; <b>Feng, Y.*</b> ; Enciso, A. E.; Violi, J. P.; Donald, W. A.; Stoddart, J. F.*; Kim, D. J.* An Aqueous Artificial Molecular Pump. <i>Chem</i> <b>2026</b> , 12, 102693.
<b>#Equal Contribution</b>		
<b>*Corresponding Author</b>	<b>52</b>	Khaleghi, N.; Mason, S. A.; Saeed, M. S.; <b>Feng, Y.*</b> A Two-Dimensional Mechanically Interlocked Polymer Crosslinked by [c2]Daisy Chains. <i>Sci. China Chem.</i> <b>2025</b> , 68, 3342-3344.
	<b>51</b>	Li, T.#; Liu, B.-T.#; Liu, J.-C.; Sule, N. A.; Ou, J. T.; Huang, J. Y.; Ou, C.; Jia, J.-H.*; <b>Feng, Y.*</b> Near-Infrared Emission in Organic Cocrystals Based on Twisted-Component Pseudoencapsulation. <i>ACS Mater. Lett.</i> <b>2025</b> , 7, 2246-2254.

**Publications****(Continued)**

#Equal Contribution

\*Corresponding Author

- 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. A Compact Catenane with Tunable Mechanical Chirality. *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.
- 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.

**Publications  
(Continued)**

#Equal Contribution

\*Corresponding Author

- 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.
- 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.

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**Publications****(Continued)**

#Equal Contribution

\*Corresponding Author

- 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.
- 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.
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**Publications****(Continued)**

#Equal Contribution

\*Corresponding Author

- 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.

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**Patents**

- 1** **Feng, Y.**; Stoddart, J. F. Substituted Quadrupolar Fluorescent Dyes for Live Cell Imaging. *US Patent*, **2025**, 18828883.
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<b>Peer Review</b>	<b>17 Beilstein Journal of Organic Chemistry</b> / 42130804	2025
	Beilstein-Institut / Guest Editor: Hermann A Wegner	
	<b>16 Future Investigators in NASA Earth and Space Science and Technology (FINESST) Program</b> / 24-BPS24-0011	2025
	National Aeronautics and Space Administration (NASA) Biological and Physical Sciences Program / Senior Scientist: Preethi Manoharan	
	<b>15 Journal of the American Chemical Society</b> / JA-2025-11040C	2025
	ACS Publications / Associate Editor: E W Bert Meijer	
	<b>14 Science China Materials</b> / SCMS-2025-0949	2025
	Springer / Associate Editor: Feng Gao   高峰	
	<b>13 ACS Materials Letters</b> / TZ-2025-00638J	2025
	ACS Publications / Deputy Editor: Hong-Cai Zhou   周宏才	
	<b>12 Israel Journal of Chemistry</b> / IJCH.1858444	2025
	Wiley-VCH / Associate Editor: Charles E Diesendruck	
	<b>11 Science China Materials</b> / SCMS-2025-0224	2025
	Springer / Associate Editor: Xuesi Chen   陈学思	
	<b>10 Nature Communication</b> / NCOMMS-25-10046-T	2025
	Nature Portfolio / Chief Editor: Margherita Citroni	
	<b>9 Science China Chemistry</b> / SCC-2024-0786	2024
	Springer / Associate Editor: Ben Zhong Tang   唐本忠	
	<b>8 Journal of the American Chemical Society</b> / JA-2024-05376B	2024
	ACS Publications / Associate Editor: Omar M Yaghi	
	<b>7 Israel Journal of Chemistry</b> / IJCH.202400025	2024
	Wiley-VCH / Guest Editor: Víctor García-López	
	<b>6 STAR Protocols</b> / STAR-PROTOCOLS-D-24-00033	2024
	Cell Press / Scientific Editor: Leila Shokri	
	<b>5 Journal of the American Chemical Society</b> / JA-2023-14200R	2024
	ACS Publications / Associate Editor: Omar M Yaghi	
	<b>4 Journal of Molecular Structure</b> / MOLSTRUC-D-23-07696	2023
	Elsevier ScienceDirect / Editor: Luca Evangelisti	
	<b>3 Journal of the American Chemical Society</b> / JA-2023-08630Y	2023
	ACS Publications / Associate Editor: Omar M Yaghi	
	<b>2 Journal of Physical Chemistry Letters</b> / JZ-2022-02960J	2022
	ACS Publications / Senior Editor: Haizheng Zhong   钟海政	
	<b>1 Journal of the American Chemical Society</b> / JA-2021-09385X	2021
	ACS Publications / Associate Editor: Omar M Yaghi	
<b>Academic Appointment</b>	<b>3 Private Grant Advisor</b>	2025-Now
	Molecular Nanotechnology Fast Grant / Foresight Institute	
	<b>2 Society Local Section Chair</b>	2025-Now
	Oklahoma Section of the American Chemical Society	
	<b>1 Early Career Board</b>	2024-Now
	Precision Chemistry / ACS Publications	

**Oral  
Presentations**

**60 New PhD Students Welcome Seminar in the Department of Chemistry and Biochemistry at the University of Oklahoma**

August 2025 / University of Oklahoma / Norman / Oklahoma / United States  
*Joining Yuanning Feng Research Group to Play with Smart Molecules Together*

**59 The 270th American Chemical Society Meeting**

August 2025 / Walter E. Washington Convention Center / Washington DC / United States and Online

*NIR-II Photothermal Conversion by Using Organic Cocrystals*

**58 Tulane University Department of Chemistry Fall 2025 Seminars**

August 2025 / Tulane University / New Orleans / Louisiana / United States  
*Fluorescent Dyes and Photothermal Materials Based on Organic Donors and Acceptors*

**57 The 13th Clean Energy Science and Technology Youth Forum**

July 2025 / Beijing University of Chemical Technology / Beijing / China and Online  
*New Design Strategies for Near-Infrared Photothermal Conversion Organic Cocrystals*

**56 Gordon Research Conference: Artificial Molecular Switches and Motors**

June 2025 / Colby-Sawyer College / New London / New Hampshire / United States  
*Molecular Motors Driven by Electrons and Protons*

**55 Gordon Research Seminar: Artificial Molecular Switches and Motors**

June 2025 / Colby-Sawyer College / New London / New Hampshire / United States  
*Aqueous Artificial Molecular Pumps*

**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*



**Oral  
Presentations  
(Continued)**

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**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*

**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 The 130th 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*

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**Oral  
Presentations  
(Continued)**

**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 26th Quinoa Mini Salon Hosted 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

**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*

**Oral  
Presentations  
(Continued)**

**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*

**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*

**Oral  
Presentations  
(Continued)**

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- 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*
- 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*
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**Poster  
Presentations**

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- 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*
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**Poster****Presentations  
(Continued)****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*

**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*

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**Poster  
Presentations  
(Continued)**

- 5 Telluride Science 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  
*March 2023 / Oklahoma State University-Oklahoma City / Oklahoma City / Oklahoma / United States*  
Idris Raji
- 8 Host and Inviter** / Karcher Honorary Lecture at the University of Oklahoma  
*November 2024 / University of Oklahoma / Norman / Oklahoma / United States*  
Peter J Stang
- 7 Section Chair** / The 18th International Symposium of Macrocyclic and Supramolecular Chemistry  
*May 2024 / Hangzhou Blossom Water Museum Hotel / Hangzhou / Zhejiang / China*  
Teppey 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  
*April 2023 / University of Central Oklahoma / Edmund / Oklahoma / United States*  
Vivek K Bajpai
- 5 Host** / Oklahoma Section of the American Chemical Society March Meeting  
*March 2023 / University of Oklahoma / Norman / Oklahoma / United States*  
Hyunho Noh | 노현호
- 4 Section Chair** / The 2nd North American Supramolecular Chemistry Meeting  
*December 2023 / 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  
*November 2023 / University of Oklahoma / Norman / Oklahoma / United States*  
Jonathan L Sessler
- 2 Section Chair** / The Conference of Promoting New Chemistry  
*September 2018 / Beijing Institute of Technology / Beijing / China*  
David A Leigh

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**1 Section Chair** / The 2nd British–Chinese Symposium of Supramolecular Chemistry and Material Sciences  
 September 2018 / Zhejiang University / Hangzhou / Zhejiang / China  
 Zhichang Liu | 刘志常 / Andrew C H Sue | 苏纪豪 / J Fraser Stoddart

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<b>Independent Mentorship</b>	<b>32 Graduate Research Assistant</b> / Minghui Kong   孔明慧 University of Oklahoma	2025-Now
	<b>31 PhD Student</b> / Jianqiao Zhou   周建乔 University of Oklahoma	2025-Now
	<b>30 BSc Student</b> / R Adelaide Schwabe University of Oklahoma	2025-Now
	<b>29 BSc Student</b> / Maham Saqib Saeed   مهام صاقب سعيد University of Oklahoma	2025-Now
	<b>28 Postdoctoral Research Associate</b> / Xuanfu Zhu   朱烜甫 University of Oklahoma	2025-Now
	<b>27 PhD Student</b> / Nima Khaleghi   نيماء خالقي University of Oklahoma	2025-Now
	<b>26 BSc Student</b> / Meiling Wade University of Oklahoma	2025-Now
	<b>25 BSc Student</b> / Moaz Asim   معاذ عاصم University of Oklahoma	2024
	<b>24 BSc Student</b> / Joshua A Gottlieb University of Oklahoma	2024-Now
	<b>23 BSc Student</b> / Zaid Alkalani   زيد الكيلاني University of Oklahoma	2024-Now
	<b>22 BSc Student</b> / Kade P Littlefield University of Oklahoma	2024-2025
	<b>21 BSc Student</b> / Kevin A Villalba-Orozco University of Oklahoma	2024-Now
	<b>20 PhD Rotation Student</b> / Yuheng Hu   胡宇恒 University of Oklahoma	2024
	<b>19 BSc Student</b> / Camille E Morrison University of Oklahoma	2024
	<b>18 BSc Student</b> / Aaron J Lim   임정섭 University of Oklahoma	2024-Now
	<b>17 Graduate Research Assistant</b> / Miguel A Liuzzi-Vaamonde University of Oklahoma	2024
	<b>16 BSc Student + Graduate Research Assistant</b> / Jennifer T Ou   吴晶丽 University of Oklahoma	2024-Now
	<b>15 BSc Student</b> / Mandisa K Masonya University of Oklahoma	2024
	<b>14 BSc Student</b> / Daniel A Appleton University of Oklahoma	2024-Now

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<b>Independent Mentorship (Continued)</b>	<b>13 Postdoctoral Research Associate</b> / Chenxin Ou   区晨昕 University of Oklahoma	2024
	<b>12 BSc Student</b> / Michelle N Cao   Cao Nhã Anh University of Oklahoma	2024
	<b>11 BSc Student</b> / Sheridan K Munoz University of Oklahoma	2024
	<b>10 BSc Student</b> / Niharika Ashutosh Sule   निहारिका आशुतोष सुळे University of Oklahoma	2024-Now
	<b>9 BSc Student + Graduate Research Assistant</b> / Jim Y Huang   黄毅 University of Oklahoma	2023-2025
	<b>8 BSc Student</b> / Jackson B Lancaster University of Oklahoma	2023-2025
	<b>7 BSc Student</b> / Natalie P Chapel University of Oklahoma	2023-2024
	<b>6 PhD Rotation Student</b> / Muhammad Sani Muhammad University of Oklahoma	2023
	<b>5 BSc Student</b> / Kiran N Naidu University of Oklahoma	2023-2024
	<b>4 BSc Student</b> / Ira Joseph Studebaker University of Oklahoma	2023-2025
	<b>3 BSc Student + Graduate Research Assistant</b> / Samantha A Mason University of Oklahoma	2023-Now
	<b>2 PhD Rotation Student</b> / Jacob B Solomon University of Oklahoma	2023
	<b>1 PhD Rotation Student</b> / Upasana Chatterjee   উপাসনা চ্যাটার্জি University of Oklahoma	2023
<b>Collaborative Mentorship</b>	<b>7 BSc Visiting Student</b> / Saif Al Hashimi   سيف آل هاشمي Colgate University	2025
	<b>6 BSc Visiting Student</b> / Huiru Yu   于蕙茹 Beijing Normal University / Co-Supervisor: Qing-Zheng Yang	2024
	<b>5 PhD Visiting Student</b> / Tao Li   李涛 Sun Yat-Sen University / Supervisor: Ming-Liang Tong   童明良	2023-2024
	<b>4 PhD Visiting Peer Mentee</b> / Chang-Xin Zhao   赵长欣 Tsinghua University / Supervisor: Qiang Zhang   张强	2023
	<b>3 BSc Peer Mentee</b> / Luke Malaisrie Northwestern University / Supervisor: J Fraser Stoddart	2022
	<b>2 PhD Visiting Peer Mentee</b> / Chi-Hsien Wang   王祺嫻 National Tsing Hua University / Supervisor: Masaki Horie   堀江 正樹	2022-2023
	<b>1 BSc + PhD Visiting Peer Mentee</b> / Christopher K Lee University of New South Wales / Supervisor: Dong Jun Kim	2020-2023

<b>Course Teaching</b>	<b>3 BSc Course Instructor</b> / Organic Chemistry I: Biological (Honors) University of Oklahoma / 24 Students	FA2025
	<b>3 BSc Course Instructor</b> / Organic Chemistry II: Biological (Honors) University of Oklahoma / 19 Students	SP2025
	<b>2 PhD Course Instructor</b> / Organic Chemistry I: Mechanism and Reactivity University of Oklahoma / 12 Students	FA2024
	<b>1 PhD Course Instructor</b> / Organic Chemistry I: Mechanism and Reactivity University of Oklahoma / 9 Students	FA2023

<b>Course Supervising</b>	<b>15 PhD Course Supervisor</b> / Seminar in Organic Chemistry University of Oklahoma / 14 Students	FA2025
	<b>14 BSc Course Supervisor</b> / First Year Research Experience Program University of Oklahoma / 1 Students	SP2025
	<b>13 BSc Course Supervisor</b> / Honors Research (Honors) University of Oklahoma / 3 Students	SP2025
	<b>12 BSc Course Supervisor</b> / Mentored Research Experience Program University of Oklahoma / 5 Students	SP2025
	<b>11 PhD Course Supervisor</b> / Seminar in Organic Chemistry University of Oklahoma / 12 Students	SP2025
	<b>10 BSc Course Supervisor</b> / Honors Research (Honors) University of Oklahoma / 3 Students	FA2024
	<b>9 BSc Course Supervisor</b> / Honors Reading (Honors) University of Oklahoma / 1 Students	FA2024
	<b>8 BSc Course Supervisor</b> / Mentored Research Experience Program University of Oklahoma / 3 Students	FA2024
	<b>7 PhD Course Supervisor</b> / Seminar in Organic Chemistry University of Oklahoma / 10 Students	FA2024
	<b>6 BSc Course Supervisor</b> / First Year Research Experience Program University of Oklahoma / 3 Students	SP2024
	<b>5 BSc Course Supervisor</b> / Honors Research (Honors) University of Oklahoma / 2 Students	SP2024
	<b>4 BSc Course Supervisor</b> / Mentored Research Experience Program University of Oklahoma / 5 Students	SP2024
	<b>3 PhD Course Supervisor</b> / Seminar in Organic Chemistry University of Oklahoma / 13 Students	SP2024
	<b>2 BSc Course Supervisor</b> / Mentored Research Experience Program University of Oklahoma / 4 Students	FA2023
	<b>1 PhD Course Supervisor</b> / Seminar in Organic Chemistry University of Oklahoma / 10 Students	FA2023

<b>Teaching Assistant</b>	<b>6 PhD Course Teaching Assistant</b> / Contemporary Chemistry Northwestern University / Instructor: J Fraser Stoddart / 12 Students	WI2020
	<b>5 PhD Course Teaching Assistant</b> / Organic Spectroscopy Northwestern University / Instructor: Douglas Philp / 10 Students	WI2019

<b>Teaching Assistant (Continued)</b>	<b>4 BSc Course Teaching Assistant</b> / Organic Chemistry Lab II Northwestern University / Instructor: Derek W Nelson / 16 Students	SU2017
	<b>3 BSc Course Teaching Assistant</b> / Organic Chemistry Lab I Northwestern University / Instructor: Derek W Nelson / 16 Students	WI2017
	<b>2 BSc Course Teaching Assistant</b> / General Chemistry Lab I Northwestern University / Instructor: Stephanie N Knezz / 16 Students	FA2016
	<b>1 BSc Course Teaching Assistant</b> / General Chemistry Recitation I Northwestern University / Instructor: Veronica M Berns / 9 Students	FA2016

<b>University Service</b>	<b>14 Department Seminar Committee Member</b> Department of Chemistry & Biochemistry / University of Oklahoma	2025-Now
	<b>13 PreMedical Professions Committee Member</b> Academic Advising Resource Center / University of Oklahoma	2025-Now
	<b>12 Friends to International Students Program Host</b> Student: Luyu Niu   牛鲁豫 / University of Oklahoma	2025-Now
	<b>11 Department Graduate Recruiting Committee Member</b> Department of Chemistry & Biochemistry / University of Oklahoma	2024-Now
	<b>10 Department Social Media Committee Chair</b> Department of Chemistry & Biochemistry / University of Oklahoma	2024-Now
	<b>9 Department NMR Spectroscopy Advisory Committee Member</b> Department of Chemistry & Biochemistry / University of Oklahoma	2024-Now
	<b>8 Department Organic Chemistry Teaching Committee Member</b> Department of Chemistry & Biochemistry / University of Oklahoma	2024-Now
	<b>7 University Cooking Club Faculty Supervisor</b> President: Aaron J Lim / University of Oklahoma	2024-Now
	<b>6 Friends to International Students Program Host</b> Student: Junhua Chen   陈俊华 / University of Oklahoma	2024
	<b>5 Department Faculty Meeting Secretary</b> Department of Chemistry & Biochemistry / University of Oklahoma	2023-2024
	<b>4 Department Safety Committee Member</b> Department of Chemistry & Biochemistry / University of Oklahoma	2023-2024
	<b>3 Friends to International Students Program Host</b> Student: Han Yi   易晗 / University of Oklahoma	2024
	<b>2 PreMedical Professions Committee Member</b> Academic Advising Resource Center / University of Oklahoma	2024
	<b>1 Friends to International Students Program Host</b> Student: Luyu Niu / University of Oklahoma	2023

<b>Student Committee</b>	<b>12 PhD Committee Member</b> / Student: Prabhat Kharel Chair: Indrajeet Sharma / University of Oklahoma	2025-Now
	<b>11 PhD Committee Member</b> / Student: Daniel A Nelson Chair: Indrajeet Sharma / University of Oklahoma	2025-Now
	<b>10 PhD Committee Member</b> / Student: Ghath Al Hafez Chair: Michele Galizia / University of Oklahoma	2024-Now



<b>Student Committee (Continued)</b>	<b>9 PhD Committee Member</b> / Student: M Sri Abey Vignesh Chair: Steven P Crossley / University of Oklahoma	2024–Now
	<b>8 PhD Committee Member</b> / Student: Fatemeh Naderi Samani Chair: Reza Foudazi / University of Oklahoma	2024–Now
	<b>7 PhD Committee Member</b> / Student: Jacob B Solomon Chair: Shikha Singh Chauhan / University of Oklahoma	2024–Now
	<b>6 PhD Committee Member</b> / Student: Umesh Chaudhary Chair: Indrajeet Sharma / University of Oklahoma	2024–Now
	<b>5 PhD Committee Member</b> / Student: Daniel E Walker Chair: Charlies V Rice / University of Oklahoma	2024–Now
	<b>4 PhD Committee Member</b> / Student: Dan Chen   谌丹 Chair: Zhibo Yang   杨志柏 / University of Oklahoma	2023–Now
	<b>3 MSc Committee Member</b> / Student: Daniel C McSwain Chair: Charlies V Rice / University of Oklahoma	2024–2025
	<b>2 MSc Committee Member</b> / Student: Alexis N Rinne Chair: Robert H Cichewicz II / University of Oklahoma	2023–2024
	<b>1 MSc Committee Member</b> / Student: Heather E McClurg Chair: Robert H Cichewicz II / University of Oklahoma	2023–2024
<b>Nominated or Mentored Achievement</b>	<b>11 Harvard-MIT Summer Institute Best Oral Presentation Award</b> Harvard Medical School / Mentee: Aaron J Lim	2025
	<b>10 Herbert A and Lela Mitchell Berlin Endowed Scholarship</b> Dodge Family College of Arts and Sciences / Mentee: Aaron J Lim	2025
	<b>9 Dr Floyd E Farha Excellence in Chemistry Scholarship</b> Department of Chemistry & Biochemistry / Mentee: Aaron J Lim	2025
	<b>8 Dodge Family College of Arts and Sciences Academic Scholar Award</b> Dodge Family College of Arts and Sciences / Mentee: Aaron J Lim	2025
	<b>7 President’s Award for Outstanding Sophomores</b> University of Oklahoma / Mentee: Aaron J Lim	2025
	<b>6 McNair Scholars Program</b> United States Department of Education / Mentee: Kevin A Villalba-Orozco	2024
	<b>5 Research Showcase Best Undergraduate Poster Award</b> Department of Chemistry & Biochemistry / Mentees: Samantha A Mason   Jackson B Lancaster   Aaron J Lim	2024
	<b>4 Dick Van der Helm Scholarship</b> Department of Chemistry & Biochemistry / Mentee: Samantha A Mason	2024
	<b>3 Dalton Transactions Poster Award</b> University of Oregon / Mentee: Chi-Hsien Wang	2022
	<b>2 The Foresight Fellowship</b> The Foresight Institute / Nominee: James S W Seale	2022
	<b>1 The Foresight Fellowship</b> The Foresight Institute / Nominee: Marco A Ovalle-Martinez	2022

<b>Recommended or Supported Promotion</b>	<b>7 Undergraduate Research Internship in the Hasan Group</b>	2025
	Harvard Medical School / Aaron J Lim	
	<b>6 Undergraduate Research Internship in the Wasielewski Group</b>	2024
	Northwestern University / Huiru Yu	
	<b>5 Doctoral of Philosophy Program Admission</b>	2023
	University of Hong Kong / Pramita Kundu	
	<b>4 Postdoctoral Fellowship in the Stoddart Group</b>	2023
<b>Mentored Presentations P: Postdoc G: Graduate U: Undergrad S: Student F: Fellow V: Visiting</b>	University of Hong Kong / Yi-Kang Xing   邢益康	
	<b>3 Postdoctoral Fellowship in the Stoddart Group</b>	2023
	University of Hong Kong / Bai-Tong Liu   刘百桐	
	<b>2 Postdoctoral Fellowship in the Moore Group</b>	2023
	University of Illinois Urbana-Champaign / Fangbai Xie   谢芳柏	
	<b>1 Undergraduate Program Admission</b>	2022
	Northwestern University / Eric Tianrun Yang   杨天润	
<b>Mentored Presentations P: Postdoc G: Graduate U: Undergrad S: Student F: Fellow V: Visiting</b>	<b>14 Harvard-MIT Summer Institute in Biomedical Optics Program Symposium</b>	
	August 2025 / Harvard Medical School / Boston / Massachusetts / United States	
	<b>Poster:</b> Lim, A. J. (US) <i>Photodynamic Modulation of Stellate Cell Differentiation in a 3D Organoid Model of Pancreatic Cancer</i>	
	<b>13 The 37th OU Honors College Annual Undergraduate Research Day</b>	
	April 2025 / University of Oklahoma / Norman / Oklahoma / United States	
	<b>Poster:</b> Ou, J. T. (US); Wade, M. (US) <i>The Design and Synthesis of Pentagonal and Hexagonal Cyclophanes</i>	
	<b>12 The 3rd OUHSC Graduate College Unity Week Poster Hall</b>	
	April 2025 / University of Oklahoma Health Sciences Center / Oklahoma City / Oklahoma / United States	
	<b>Poster:</b> Ou, J. T. (US); Wade, M. (US) <i>The Design and Synthesis of Pentagonal and Hexagonal Cyclophanes</i>	
	<b>11 The 80th American Chemical Society Southwest Regional Meeting</b>	
	October 2024 / Waco Convention Center / Waco / Texas / United States	
	<b>Poster:</b> Mason, S. A. (US); Lancaster, J. B. (US); Lim, A. J. (US) <i>The Design and Synthesis of Quadrupolar Fluorescent Dyes</i>	
	<b>10 The 80th American Chemical Society Southwest Regional Meeting</b>	
	October 2024 / Waco Convention Center / Waco / Texas / United States	
	<b>Poster:</b> Ou, C. (PF) <i>The Design of a Molecular Motor based on a Redox Switchable Aminoxyl Ring</i>	
	<b>9 Departmental Research Showcase</b>	
	August 2024 / University of Oklahoma / Norman / Oklahoma / United States	
	<b>Poster:</b> Mason, S. A. (US); Lancaster, J. B. (US); Lim, A. J. (US) <i>The Design and Synthesis of Quadrupolar Fluorescent Dyes</i>	
	<b>8 Departmental Research Showcase</b>	
	August 2024 / University of Oklahoma / Norman / Oklahoma / United States	
	<b>Poster:</b> Ou, C. (PF) <i>Four-Stroke Molecular Rotary Motors based on [3]Catenanes</i>	

**Mentored  
Presentations  
(Continued)**

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- 7 The 36th OU Honors College Annual Undergraduate Research Day**  
May 2024 / University of Oklahoma / Norman / Oklahoma / United States  
**Poster:** Cao, M. N. (US) *Synthesis of a 5-Membered Cyclophane*
- 6 The 36th OU Honors College Annual Undergraduate Research Day**  
May 2024 / University of Oklahoma / Norman / Oklahoma / United States  
**Poster:** Munoz, S. K. (US) *Synthesizing Pentagonal Macrocycles*
- 5 The 36th OU Honors College Annual Undergraduate Research Day**  
May 2024 / University of Oklahoma / Norman / Oklahoma / United States  
**Poster:** Sule, N. A. (US) *Supramolecular Antenna Effect in Fluorescent Dyes*
- 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) *Tying the Tiniest Knot and Weaving the Thinnest Fabric*
- 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) *A Molecular Replication Process Drives Supramolecular Polymerization.*
- 2 The 2nd North American Supramolecular Chemistry Meeting**  
December 2023 / Loyola University / New Orleans / Louisiana / United States  
**Poster:** Li, T. (VGS) *NIR-II Photothermal Conversion and Imaging Based on a Cocrystal containing Twisted Components.*
- 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.*
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**Professional  
References**

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