Stanford

Yilei Wu

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ACADEMIC APPOINTMENTS

- Research Engineer, Chemical Engineering

Publications

PUBLICATIONS

- **Clinically Translatable Solid-State Dye for NIR-II Imaging of Medical Devices.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
  Li, D., Shi, H., Qi, Q., Chang, B., Jiang, Y., Qian, K., Guan, X., Kang, P., Ma, N., Zhang, Y., Zhang, Z., Shi, X., Qu, et al
  2023: e2303491

- **Environmentally stable and stretchable polymer electronics enabled by surface-tethered nanostructured molecular-level protection.** *Nature nanotechnology*
  Zheng, Y., Michalek, L., Liu, Q., Wu, Y., Kim, H., Sayavong, P., Yu, W., Zhong, D., Zhao, C., Yu, Z., Chiong, J. A., Gong, H., Ji, et al
  2023

- **Shear-aligned large-area organic semiconductor crystals through extended pi-pi interaction** *JOURNAL OF MATERIALS CHEMISTRY C*
  Zhang, S., Talnack, F., Jousselin-Oba, T., Bhat, V., Wu, Y., Lei, Y., Tomo, Y., Gong, H., Michalek, L., Zhong, D., Wu, C., Yassar, A., Mannsfeld, et al
  2023

- **Effect of Molecular Weight on the Morphology of a Polymer Semiconductor-Thermoplastic Elastomer Blend** *ADVANCED ELECTRONIC MATERIALS*
  Pena-Alcantara, A., Nikzad, S., Michalek, L., Prine, N., Wang, Y., Gong, H., Ponte, E., Schneider, S., Wu, Y., Root, S. E., He, M., Tok, J., Gu, et al
  2023

- **High-Performance D-A Copolymer Donor Based on Difluoroquinoxaline A-Unit with Alkyl-Chlorothiophene Substituents for Polymer Solar Cells** *CCS CHEMISTRY*
  Zhu, C., Hu, K., Meng, L., Kong, X., Lai, W., Qin, S., Qiu, B., Zhang, J., Zhang, Z., Wu, Y., Li, X., Li, Y.
  2023

- **Realizing Intrinsically Stretchable Semiconducting Polymer Films by Nontoxic Additives** *ACS MATERIALS LETTERS*
  Cheng, H., Zhang, S., Michalek, L., Ji, X., Luo, S., Cooper, C. B., Gong, H., Nikzad, S., Chiong, J. A., Wu, Y., Zheng, Y., Liu, Q., Zhong, et al
  2022; 4 (11): 2328-2336

- **Tuning the Mechanical and Electric Properties of Conjugated Polymer Semiconductors: Side-Chain Design Based on Asymmetric Benzodithiophene Building Blocks** *ADVANCED FUNCTIONAL MATERIALS*
  Liu, D., Lei, Y., Ji, X., Wu, Y., Lin, Y., Wang, Y., Zhang, S., Zheng, Y., Chen, Y., Lai, J., Zhong, D., Cheng, H., Chiong, et al
  2022

- **Perovskite superlattices with efficient carrier dynamics.** *Nature*
  Lei, Y., Li, Y., Lu, C., Yan, Q., Wu, Y., Babbe, F., Gong, H., Zhang, S., Zhou, J., Wang, R., Zhang, R., Chen, Y., Tsai, et al
  2022; 608 (7922): 317-323

- **Highly Efficient Layer-by-Layer Processed Quaternary Organic Solar Cells with Improved Charge Transport and Reduced Energy Loss** *SOLAR RRL*

Li, S., Jia, Z., Ma, Q., Wu, Y., Meng, Q., Zhang, J., Qiu, B., Qiao, J., Li, Y.
2022

- **Topological supramolecular network enabled high-conductivity, stretchable organic bioelectronics.** *Science (New York, N.Y.)*
  Jiang, Y., Zhang, Z., Wang, Y. X., Li, D., Coen, C. T., Hwaun, E., Chen, G., Wu, H. C., Zhong, D., Niu, S., Wang, W., Saberi, A., Lai, et al
  2022; 375 (6587): 1411-1417

- **Twisted A-D-A Type Acceptors with Thermally-Activated Delayed Crystallization Behavior for Efficient Nonfullerene Organic Solar Cells** *ADVANCED ENERGY MATERIALS*
  Wu, Y., Schneider, S., Yuan, Y., Young, R. M., Francese, T., Mansoor, I. F., Dudenas, P. J., Lei, Y., Gomez, E. D., DeLongchamp, D. M., Lipke, M. C., Galli, G., Wasielewski, et al
  2022

- **High-brightness all-polymer stretchable LED with charge-trapping dilution.** *Nature*
  Zhang, Z., Wang, W., Jiang, Y., Wang, Y., Wu, Y., Lai, J., Niu, S., Xu, C., Shih, C., Wang, C., Yan, H., Galuska, L., Prine, et al
  2022; 603 (7902): 624-630

- **Impact of Molecular Design on Degradation Lifetimes of Degradable Imine-Based Semiconducting Polymers.** *Journal of the American Chemical Society*
  Chiong, J. A., Zheng, Y., Zhang, S., Ma, G., Wu, Y., Ngaruka, G., Lin, Y., Gu, X., Bao, Z.
  2022

- **Redox-Active Polymers Designed for the Circular Economy of Energy Storage Devices** *ACS ENERGY LETTERS*
  Tan, S., Quill, T. J., Moser, M., LeCroy, G., Chen, X., Wu, Y., Takacs, C. J., Salleo, A., Giovannitti, A.
  2021; 6 (10): 3450-3457

- **Effects of the Center Units of Small-Molecule Donors on the Morphology, Photovoltaic Performance, and Device Stability of All-Small-Molecule Organic Solar Cells** *SOLAR RRL*
  Li, S., Ma, Q., Qiu, B., Meng, L., Zhang, J., Wu, Y., Zhang, Z., Zhang, Z., Li, Y.
  2021

- **A Design Strategy for Intrinsically Stretchable High-Performance Polymer Semiconductors: Incorporating Conjugated Rigid Fused-Rings with Bulky Side Groups.** *Journal of the American Chemical Society*
  Liu, D., Mun, J., Chen, G., Schuster, N. J., Wang, W., Zheng, Y., Nikzad, S., Lai, J., Wu, Y., Zhong, D., Lin, Y., Lei, Y., Chen, et al
  2021

- **A delocalized cobaltoviologen with seven reversibly accessible redox states and highly tunable electrochromic behaviour.** *Chemical communications (Cambridge, England)*
  Mansoor, I. F., Wozniak, D. I., Wu, Y., Lipke, M. C.
  2020

- **Electrochemical Switching of a Fluorescent Molecular Rotor Embedded within a Bistable Rotaxane** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Frasconi, M., Liu, W., Young, R. M., Goddard, W. A., Wasielewski, M. R., Stoddart, J.
  2020; 142 (27): 11835–46

- **F4-TCNQ as an Additive to Impart Stretchable Semiconductors with High Mobility and Stability** *ADVANCED ELECTRONIC MATERIALS*
  Mun, J., Kang, J., Zheng, Y., Luo, S., Wu, Y., Gong, H., Lai, J., Wu, H., Xue, G., Tok, J., Bao, Z.
  2020

- **Reversible Symmetry-Breaking Charge Separation in a Series of Perylenediimide Cyclophanes** *JOURNAL OF PHYSICAL CHEMISTRY C*
  Coleman, A. F., Chen, M., Zhou, J., Shin, J., Wu, Y., Young, R. M., Wasielewski, M. R.
  2020; 124 (19): 10408–19

- **Fine-Tuning Semiconducting Polymer Self-Aggregation and Crystallinity Enables Optimal Morphology and High-Performance Printed All-Polymer Solar Cells.** *Journal of the American Chemical Society*
  Wu, Y., Schneider, S., Walter, C., Chowdhury, A. H., Bahrami, B., Wu, H., Qiao, Q., Toney, M. F., Bao, Z.
  2019

- **Choosing sides: unusual ultrafast charge transfer pathways in an asymmetric electron-accepting cyclophane that binds an electron donor** *CHEMICAL SCIENCE*
  Zhou, J., Wu, Y., Roy, I., Samanta, A., Stoddart, J., Young, R. M., Wasielewski, M. R.
  2019; 10 (15): 4282–92

- **Fine-Tuning Aromatic Stacking and Single-Crystal Photoluminescence Through Coordination Chemistry** *EUROPEAN JOURNAL OF ORGANIC CHEMISTRY*
  Chen, C., Wu, Y., Li, H.
  2019: 1778–83
- **Covalent Radical Pairs as Spin Qubits: Influence of Rapid Electron Motion between Two Equivalent Sites on Spin Coherence** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Zhou, J., Nelson, J. N., Young, R. M., Krzyaniak, M. D., Wasielewski, M. R.
  2018; 140 (40): 13011–21
- **Hybrid 2D Dion-Jacobson perovskites and application in solar cells**
  Man, L., Ke, W., Pedesseau, L., Wu, Y., Katan, C., Even, J., Wasielewski, M., Stoumpos, C., Kanatzidis, M.
  AMER CHEMICAL SOC.2018
- **ExTzBox: A Glowing Cyclophane for Live-Cell Imaging** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Roy, I., Bobbala, S., Zhou, J., Nguyen, M. T., Nalluri, S., Wu, Y., Ferris, D. P., Scott, E., Wasielewski, M. R., Stoddart, J.
  2018; 140 (23): 7206–12
- **Shuttling Rates, Electronic States, and Hysteresis in a Ring-in-Ring Rotaxane** *ACS CENTRAL SCIENCE*
  Lipke, M. C., Wu, Y., Roy, I., Wang, Y., Wasielewski, M. R., Stoddart, J.
  2018; 4 (3): 362–71
- **Hybrid Dion-Jacobson 2D Lead Iodide Perovskites** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Mao, L., Ke, W., Pedesseau, L., Wu, Y., Katan, C., Even, J., Wasielewski, M. R., Stoumpos, C. C., Kanatzidis, M. G.
  2018; 140 (10): 3775–83
- **X-Shaped Oligomeric Pyromellitimide Polyradicals** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Han, J., Hong, M., Krzyaniak, M. D., Blackburn, A. K., Fernando, I. R., Cao, D. D., Wasielewski, M. R., Stoddart, J.
  2018; 140 (1): 515–23
- **Probing Distance Dependent Charge-Transfer Character in Excimers of Extended Viologen Cyclophanes Using Femtosecond Vibrational Spectroscopy** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Zhou, J., Phelan, B. T., Mauck, C. M., Stoddart, J., Young, R. M., Wasielewski, M. R.
  2017; 139 (40): 14265–76
- **Exploring viscosity, polarity and temperature sensitivity of BODIPY-based molecular rotors** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
  Vysniauskas, A., Lopez-Duarte, I., Duchemin, N., Thanh-Truc Vu, Wu, Y., Budynina, E. M., Volkova, Y. A., Pena Cabrera, E., Ramirez-Ornelas, D. E., Kuimova, M. K.
  2017; 19 (37): 25252–59
- **Mechanical-Bond-Protected, Air-Stable Radicals** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Sun, J., Liu, Z., Liu, W., Wu, Y., Wang, Y., Barnes, J. C., Hermann, K. R., Goddard, W. A., Wasielewski, M. R., Stoddart, J.
  2017; 139 (36): 12704–9
- **Tunable White-Light Emission in Single-Cation-Templated Three-Layered 2D Perovskites (CH3CH2NH3)(4)Pb3Br10-xClx** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Mao, L., Wu, Y., Stoumpos, C. C., Traore, B., Katan, C., Even, J., Wasielewski, M. R., Kanatzidis, M. G.
  2017; 139 (34): 11956–63
- **White-Light Emission and Structural Distortion in New Corrugated Two-Dimensional Lead Bromide Perovskites** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Mao, L., Wu, Y., Stoumpos, C. C., Wasielewski, M. R., Kanatzidis, M. G.
  2017; 139 (14): 5210–15
- **Photoluminescent phenalenyl-type radical**
  Anamimoghadam, O., Wu, Y., Pezzato, C., Minh Nguyen, Samanta, A., Gozem, S., Mosca, L., Krylov, A., Wasielewski, M., Stoddart, F.
  AMER CHEMICAL SOC.2017
- **Spin frustrated organic trisradical triangle**
  Wu, Y., Krzyaniak, M., Wasielewski, M.

AMER CHEMICAL SOC.2017

- **Intramolecular Energy and Electron Transfer within a Diazaperopyrenium-Based Cyclophane** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Gong, X., Young, R. M., Hartlieb, K. J., Miller, C., Wu, Y., Xiao, H., Li, P., Hafezi, N., Zhou, J., Ma, L., Cheng, T., Goddard, W. A., Farha, et al
  2017; 139 (11): 4107–16
- **Size-Matched Radical Multivalency** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Lipke, M. C., Cheng, T., Wu, Y., Arslan, H., Xiao, H., Wasielewski, M. R., Goddard, W. A., Stoddart, J.
  2017; 139 (11): 3986–98
- **Spin Frustration in the Triradical Trianion of a Naphthalenediimide Molecular Triangle** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Krzyaniak, M. D., Stoddart, J., Wasielewski, M. R.
  2017; 139 (8): 2948–51
- **Enabling singlet fission by controlling intramolecular charge transfer in pi-stacked covalent terrylenediimide dimers** *NATURE CHEMISTRY*
  Margulies, E. A., Miller, C. E., Wu, Y., Ma, L., Schatz, G. C., Young, R. M., Wasielewski, M. R.
  2016; 8 (12): 1120–25
- **Dopant-Free Hole Transporting Polymers for High Efficiency, Environmentally Stable Perovskite Solar Cells** *ADVANCED ENERGY MATERIALS*
  Liao, H., Tam, T., Guo, P., Wu, Y., Manley, E. F., Huang, W., Zhou, N., Soe, C., Wang, B., Wasielewski, M. R., Chen, L. X., Kanatzidis, M. G., Facchetti, et al
  2016; 6 (16)
- **Chiral redox-active isosceles triangles for energy storage applications**
  Nalluri, S., Liu, Z., Wu, Y., Hermann, K., Samanta, A., Kim, D., Stoddart, J.
  AMER CHEMICAL SOC.2016
- **Enabling singlet fission by controlling intramolecular charge transfer in pi-stacked covalent terrylenediimide dimers**
  Wasielewski, M., Margulies, E., Miller, C., Wu, Y., Ma, L., Young, R., Schatz, G.
  AMER CHEMICAL SOC.2016
- **Radical multivalency via Goldilocks size matching of a diradical host and guest**
  Lipke, M., Cheng, T., Wu, Y., Arslan, H., Wasielewski, M., Goddard, W., Stoddart, J.
  AMER CHEMICAL SOC.2016
- **Sliding-Ring Catenanes** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Fernando, I. R., Frasconi, M., Wu, Y., Liu, W., Wasielewski, M. R., Goddard, W. A., Stoddartt, J.
  2016; 138 (32): 10214–25
- **Ultrafast Two-Electron Transfer in a CdS Quantum Dot-Extended-Viologen Cyclophane Complex** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Young, R. M., Jensen, S. C., Edme, K., Wu, Y., Krzyaniak, M. D., Vermeulen, N. A., Dale, E. J., Stoddart, J., Weiss, E. A., Wasielewski, M. R., Co, D. T.
  2016; 138 (19): 6163–70
- **Chiral Redox-Active Isosceles Triangles** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Nalluri, S., Liu, Z., Wu, Y., Hermann, K. R., Samanta, A., Kim, D., Krzyaniak, M. D., Wasielewski, M. R., Stoddart, J.
  2016; 138 (18): 5968–77
- **Supramolecular Gelation of Rigid Triangular Macrocycles through Rings of Multiple C-H center dot center dot center dot O Interactions Acting Cooperatively** *JOURNAL OF ORGANIC CHEMISTRY*
  Liu, Z., Sun, J., Zhou, Y., Zhang, Y., Wu, Y., Nalluri, S., Wang, Y., Samanta, A., Mirkin, C. A., Schatz, G. C., Stoddart, J.
  2016; 81 (6): 2581–88
- **Effects of Crystal Morphology on Singlet Exciton Fission in Diketopyrrolopyrrole Thin Films** *JOURNAL OF PHYSICAL CHEMISTRY B*
  Hartnett, P. E., Margulies, E. A., Mauck, C. M., Miller, S. A., Wu, Y., Wu, Y., Marks, T. J., Wasielewski, M. R.
  2016; 120 (7): 1357–66
- **Oligorotaxane Radicals under Orders** *ACS CENTRAL SCIENCE*
  Wang, Y., Frasconi, M., Liu, W., Sun, J., Wu, Y., Nassar, M. S., Botros, Y. Y., Goddard, W. A., Wasielewski, M. R., Stoddart, J.
  2016; 2 (2): 89–98
- **Photoinduced Charge and Energy Transfer within meta- and para-Linked Chlorophyll a-Perylene-3,4:9,10-bis(dicarboximide) Donor Acceptor Dyads** *JOURNAL OF PHYSICAL CHEMISTRY B*

Huang, G., Harris, M. A., Krzyaniak, M. D., Margulies, E. A., Dyar, S. M., Lindquist, R. J., Wu, Y., Roznyatovskiy, V. V., Wu, Y., Young, R. M., Wasielewski, M. R.
2016; 120 (4): 756–65

- **Ring-fusion as a perylenediimide dimer design concept for high-performance non-fullerene organic photovoltaic acceptors** *CHEMICAL SCIENCE*
  Hartnett, P. E., Matte, H., Eastham, N. D., Jackson, N. E., Wu, Y., Chen, L. X., Ratner, M. A., Chang, R. H., Hersam, M. C., Wasielewski, M. R., Marks, T. J.
  2016; 7 (6): 3543–55
- **Energy and Electron Transfer Dynamics within a Series of Perylene Diimide/Cyclophane Systems** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Ryan, S. J., Young, R. M., Henkelis, J. J., Hafezi, N., Vermeulen, N. A., Hennig, A., Dale, E. J., Wu, Y., Krzyaniak, M. D., Fox, A., Nau, W. M., Wasielewski, M. R., Stoddart, et al
  2015; 137 (48): 15299–307
- **An Electrochromic Instable Molecular Switch** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Sun, J., Wu, Y., Wang, Y., Liu, Z., Cheng, C., Hartlieb, K. J., Wasielewski, M. R., Stoddart, J.
  2015; 137 (42): 13484–87
- **Ultrafast Photoinduced Symmetry-Breaking Charge Separation and Electron Sharing in Perylenediimide Molecular Triangles** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Young, R. M., Frasconi, M., Schneebeli, S. T., Spenst, P., Gardner, D. M., Brown, K. E., Wuerthner, F., Stoddart, J., Wasielewski, M. R.
  2015; 137 (41): 13236–39
- **Charge and Spin Transport in an Organic Molecular Square** *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*
  Wu, Y., Nalluri, S., Young, R. M., Krzyaniak, M. D., Margulies, E. A., Stoddart, J., Wasielewski, M. R.
  2015; 54 (41): 11971–77
- **Redox Control of the Binding Modes of an Organic Receptor** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Frasconi, M., Fernando, I. R., Wu, Y., Liu, Z., Liu, W., Dyar, S. M., Barin, G., Wasielewski, M. R., Goddard, W. A., Stoddart, J.
  2015; 137 (34): 11057–68
- **Visible Light-Driven Artificial Molecular Switch Actuated by Radical-Radical and Donor-Acceptor Interactions** *JOURNAL OF PHYSICAL CHEMISTRY A*
  Sun, J., Wu, Y., Liu, Z., Cao, D., Wang, Y., Cheng, C., Chen, D., Wasielewski, M. R., Stoddart, J.
  2015; 119 (24): 6317–25
- **Complexation of Polyoxometalates with Cyclodextrins** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Wu, Y., Shi, R., Wu, Y., Holcroft, J. M., Liu, Z., Frasconi, M., Wasielewski, M. R., Li, H., Stoddart, J.
  2015; 137 (12): 4111–18
- **Thiophene-based dyes for probing membranes** *ORGANIC & BIOMOLECULAR CHEMISTRY*
  Lopez-Duarte, I., Chairatana, P., Wu, Y., Perez-Moreno, J., Bennett, P. M., Reeve, J. E., Boczarow, I., Kaluza, W., Hosny, N. A., Stranks, S. D., Nicholas, R. J., Clays, K., Kuimova, et al
  2015; 13 (12): 3792–3802
- **Sugar and pH dual-responsive mesoporous silica nanocontainers based on competitive binding mechanisms** *NANOSCALE*
  Yilmaz, M., Xue, M., Ambrogio, M. W., Buyukcakir, O., Wu, Y., Frasconi, M., Chen, X., Nassar, M. S., Stoddart, J., Zink, J. I.
  2015; 7 (3): 1067–72
- **Assembly of Supramolecular Nanotubes from Molecular Triangles and 1,2-Dihalohydrocarbons** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Liu, Z., Liu, G., Wu, Y., Cao, D., Sun, J., Schneebeli, S. T., Nassar, M. S., Mirkin, C. A., Stoddart, J.
  2014; 136 (47): 16651–60
- **Electron Delocalization in a Rigid Cofacial Naphthalene-1,8:4,5-bis(dicarboximide) Dimer** *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*
  Wu, Y., Frasconi, M., Gardner, D. M., McGonigal, P. R., Schneebeli, S. T., Wasielewski, M. R., Stoddart, J.
  2014; 53 (36): 9476–81
- **Template-directed approach to large yet monodisperse multi-redox n-n stacked ladder structures**
  Wu, Y., Avestro, A., Wasielewski, M., Stoddart, J.
  AMER CHEMICAL SOC.2014
- **Mechanical Bonds and Topological Effects in Radical Dimer Stabilization** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*

Frasconi, M., Kikuchi, T., Cao, D., Wu, Y., Liu, W., Dyar, S. M., Barin, G., Sarjeant, A. A., Stern, C. L., Carmieli, R., Wang, C., Wasielewski, M. R., Goddard, et al
2014; 136 (31): 11011–26

- **Electron Sharing and Anion-pi Recognition in Molecular Triangular Prisms** *ANGEWANDTE CHEMIE-INTERNATIONAL EDITION*
  Schneebeli, S. T., Frasconi, M., Liu, Z., Wu, Y., Gardner, D. M., Strutt, N. L., Cheng, C., Carmieli, R., Wasielewski, M. R., Stoddart, J.
  2013; 52 (49): 13100–13104

- **Assembly of rigid macrocycles into functional covalent nanotubes**
  Schneebeli, S. T., Stoddart, F., Frasconi, M., Wu, Y., Cheng, C., Strutt, N. L., Holcroft, J., Vermeulen, N., Hartlieb, K. J.
  AMER CHEMICAL SOC.2013

- **Light-induced release of a surface grafted ruthenium(II) complex from mesoporous silica nanoparticles**
  Frasconi, M., Liu, Z., Lei, J., Wu, Y., Sauvage, J., Stoddart, F. J.
  AMER CHEMICAL SOC.2013

- **Photoexpulsion of Surface-Grafted Ruthenium Complexes and Subsequent Release of Cytotoxic Cargos to Cancer Cells from Mesoporous Silica Nanoparticles** *JOURNAL OF THE AMERICAN CHEMICAL SOCIETY*
  Frasconi, M., Liu, Z., Lei, J., Wu, Y., Strekalova, E., Malin, D., Ambrogio, M. W., Chen, X., Botros, Y. Y., Cryns, V. L., Sauvage, J., Stoddart, J.
  2013; 135 (31): 11603–13

- **Mapping microbubble viscosity using fluorescence lifetime imaging of molecular rotors** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*
  Hosny, N. A., Mohamedi, G., Rademeyer, P., Owen, J., Wu, Y., Tang, M., Eckersley, R. J., Stride, E., Kuimova, M. K.
  2013; 110 (23): 9225–30

- **Molecular rheometry: direct determination of viscosity in L-o and L-d lipid phases via fluorescence lifetime imaging** *PHYSICAL CHEMISTRY CHEMICAL PHYSICS*
  Wu, Y., Stefl, M., Olzynska, A., Hof, M., Yahioglu, G., Yip, P., Casey, D. R., Ces, O., Humpolickova, J., Kuimova, M. K.
  2013; 15 (36): 14986–93

- **A Cyclometallated Platinum Complex as a Selective Optical Switch for Quadruplex DNA** *CHEMISTRY-A EUROPEAN JOURNAL*
  Suntharalingam, K., Leczkowska, A., Furrer, M. A., Wu, Y., Kuimova, M. K., Therrien, B., White, A. P., Vilar, R.
  2012; 18 (51): 16277–82

- **Closing the Ring to Bring Up the Light: Synthesis of a Hexacyclic Acridinium Cyanine Dye** *CHEMISTRY-A EUROPEAN JOURNAL*
  Mahmood, T., Wu, Y., Loriot, D., Kuimova, M., Ladame, S.
  2012; 18 (39): 12349–56

- **Photoinduced electron transfer in a clicked fullerene-porphyrin conjugate** *JOURNAL OF MATERIALS CHEMISTRY*
  Iehl, J., Vartanian, M., Holler, M., Nierengarten, J., Delavaux-Nicot, B., Strub, J., Van Dorsselaer, A., Wu, Y., Mohanraj, J., Yoosaf, K., Armaroli, N.
  2011; 21 (5): 1562–73