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## CURRICULUM VITAE

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### Yadong Yin, Professor

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### **EDUCATION**

Dates	Institution	Degree
01/1999 – 12/2002	University of Washington (UW) Department of Materials Science and Engineering	Ph.D.
09/1996 – 12/1998	University of Science and Technology of China (USTC) Department of Applied Chemistry	M.S.
09/1992 – 07/1996	University of Science and Technology of China Department of Applied Chemistry	B.S.

### **PROFESSIONAL EXPERIENCES**

2014-	Professor, University of California, Riverside, CA
2011-2014	Associate Professor, University of California, Riverside, CA
2006-2011	Assistant Professor, University of California, Riverside, CA
2005-2006	Staff Scientist, the Molecular Foundry, Lawrence Berkeley National Laboratory, Berkeley, CA
2003-2005	Postdoctoral Fellow, Department of Chemistry, University of California at Berkeley (01/2003-06/2003), and Molecular Foundry, Material Science Division, Lawrence Berkeley National Laboratory (06/2003-10/2005), Berkeley, CA  Advisor: Prof. A. Paul Alivisatos
1999-2002	Research Assistant, Department of Chemistry, University of Washington, Seattle, WA  Advisor: Prof. Younan Xia
1996-1998	Research Assistant, Department of Applied Chemistry, University of Science and Technology of China, Hefei, Anhui, P. R. China  Advisor: Prof. Zhicheng Zhang

### **AWARDS AND HONORS**

2022	Langmuir Lectureship Award, American Chemical Society
2021	Highly Cited Researcher 2021 (Cross-field), Clarivate Analytics
2020	Highly Cited Researcher 2020 (Chemistry), Clarivate Analytics
2020	MRS Fellow, Materials Research Society
2019	Highly Cited Researcher 2019 (Chemistry), Clarivate Analytics

2018 Highly Cited Researcher 2018 (Chemistry), Clarivate Analytics  
 2017 Highly Cited Researcher 2017 (Chemistry), Clarivate Analytics  
 2016 NML Researcher Award, *Nano-Micro Letters*, Nature Research Society  
 2016 Fellow, Royal Society of Chemistry (FRSC)  
 2016 Thomson Reuters 2016 Highly Cited Researcher (Chemistry)  
 2015 Thomson Reuters 2015 Highly Cited Researcher (Chemistry); The World's Most Influential Scientific Minds of 2015  
 2014 Thomson Reuters 2014 Highly Cited Researcher (Chemistry, Materials Science); The World's Most Influential Scientific Minds of 2014  
 2011 Top 100 Chemists (#55) and Top 100 Materials Scientists (#2) in the world, 2000-2010, Ranked by Citation Impact, Thomson Reuters  
 2010 DuPont Young Professor Grant  
 2010 3M Nontenured Faculty Grant  
 2010 Distinguished Junior Faculty Award, Chinese-American Chemistry Professor Association  
 2010 The Faculty Early Career Development (CAREER) award, National Science Foundation  
 2010 LabAutomation2010 Academic Travel Award, the Association for Laboratory Automation  
 2009 Cottrell Scholar Award, Research Corporation for Science Advancement  
 2008 The Robert T. Poe Faculty Development Grant, Chinese-American Faculty Association of Southern California  
 2007 Regents' Faculty Fellowship, University of California  
 2005 Outstanding Poster Award, Materials Research Society 2005 Spring Meeting  
 2004 Outstanding Poster Award, Materials Research Society 2004 Spring Meeting  
 2001 Graduate Student Award, Materials Research Society  
 2000 Graduate Student Award, Materials Research Society  
 2000-2002 Graduate Research Fellowship Awards, Center for Nanotechnology at the UW

## **SYNERGISTIC ACTIVITIES**

### **Memberships:**

1999- American Chemical Society (ACS)  
 2002- Materials Research Society (MRS)  
 2016- Royal Society of Chemistry (RSC)  
 2019- American Association for the Advancement of Science (AAAS)

### **Grant Proposal Reviewer:**

American Chemical Society (ACS), National Science Foundation (NSF), Department of Energy (DOE), Army Research Office (ARO), The Molecular Foundry at the Lawrence Berkeley National Laboratory (User Proposals), Science Foundation Ireland, Qatar National Research Fund, Dutch Technology Foundation, Netherlands Organisation for Scientific Research, Indo-US Science and Technology Forum, Research Corporation for Science Advancement

### **Conference Organizer:**

- 2009 April, MRS Spring Meeting, *Symposium Y: Nanocrystalline Materials as Precursors for Complex Multifunctional Structures through Chemical Transformations and Self Assembly*, San Francisco, CA
- 2009 October, 36th Federation of Analytical Chemistry and Spectroscopy Societies (FACSS) meeting, *Symposium: Multifunctional Nanostructure: Fabrication and Applications*, Louisville, KY
- 2010 April, MRS Spring Meeting (*Symposium O: Multifunctional Nanoparticle Systems - Coupled Behavior and Applications*), San Francisco, CA
- 2012 April, MRS Spring Meeting (*Symposium GG: Functional Inorganic Nanoparticle-Polymer Composites with Engineered Structures and Coupled Properties*, San Francisco, CA
- 2013 April, MRS Spring Meeting, *Symposium L: Nanoparticle Manufacturing, Functionalization, Assembly and Integration*, San Francisco, CA
- 2013 April, ACS Spring Meeting, *Symposium: Catalysts for Energy Conversion and Storage*, New Orleans, LA
- 2013 April, ACS Spring Meeting, *Special Symposium for Prof. Younan Xia's ACS Chemistry of Materials Award*, New Orleans, LA
- 2013 June, 87<sup>th</sup> ACS Colloid and Surface Science Symposium, *Colloidal Nanostructured Materials*, Riverside, CA
- 2013 July, 2013 International Conference on Self-assembled Functional Materials, Nanjing, China.
- 2015 April, MRS Spring Meeting, *Symposium: Titanium Oxides—From Fundamental Understanding to Applications*, San Francisco, CA
- 2016 August, ACS Fall Meeting, *Symposium: Plasmonic Colloidal Nanostructures: from Creation to Applications*, Philadelphia, PA
- 2017 September, *The 1<sup>st</sup> International Symposium on Hollow Nanostructured Materials*, Qingdao, China
- 2018 August, ASME 2018 Global Congress on NanoEngineering for Medicine and Biology (NEMB2018), *Track: Nanophotonics for biomedical imaging*, Los Angeles, CA
- 2018 October, ALS User Meeting at Lawrence Berkeley National Laboratory, *Workshop: Understanding the self-assembly of 1-D, 2-D nanomaterials with in-situ X-ray scattering*, Berkeley, CA
- 2018 November, The Xiangshan Science Conferences (XSSC), *Multi-shelled Hollow Nanostructured Materials*, Beijing, China
- 2020 August, ACS Fall Meeting, *Symposium: Frontiers and Challenges in Nanoparticle-Mediated Chemical Transformations*, San Francisco, CA
- 2022 March, ACS Spring Meeting, *Symposium: Frontiers and Challenges in Nanoparticle-Mediated Chemical Transformations*, San Diego, CA

**Journal Editor:**

- 2009 Editor, *MRS Spring Meeting Symposium Y Proceedings*
- 2010 Editor, *MRS Spring Meeting Symposium O, N Proceedings*
- 2010 Guest editor, *Nano Research*, themed issue on the Nanostructured Catalysts
- 2011 Guest editor, *Journal of Materials Chemistry*, themed issue on the *Chemical Transformations of Nanoparticles*, with Professor Dmitri Talapin, University of Chicago
- 2013 Editor, *MRS Spring Meeting Symposium L Proceedings*
- 2013 Guest editor, *Chemical Society Review*, themed issue on *The Chemistry of Functional Nanomaterials*, with Professor Dmitri Talapin, University of Chicago
- 2013 Guest editor, *Journal of Materials Chemistry*, themed issue on the *Chemistry of Photonic Crystals and Metamaterials*, with Professor Jianping Ge, Eastern China Normal University

- 2013 Guest editor, *ChemSusChem*, special issue on *Shape-controlled nanoparticles for energy applications*, with Professor Hong Yang, University of Illinois at Urbana-Champaign
- 2014- Associate Editor, *Journal of Materials Chemistry C*
- 2020- Associate Editor, *Materials Advances*
- 2019 Guest editor, *Advanced Functional Materials*, special issue on *Smart and Responsive Micro- and Nanostructured Materials*, with Professor Unyong Jeong, Pohang University of Science and Technology (POSTECH).
- 2019-2022 Guest editor, *Chemical Reviews*, themed issue on *Smart Materials*, with Professor John Rogers, Northwestern University.

#### **Book Editor:**

- 2013 *Responsive Photonic Nanostructures: Smart Nanoscale Optical Materials*, Editor: Y. Yin, Royal Society of Chemistry, 2013.
- 2019 *Handbook of Synthetic Methodologies and Protocols of Nanomaterials*, Editor-in-Chief: Y. Yin, World Scientific Publishing, 2019.
- 2023 *Encyclopedia of Nanomaterials*, Editors-in-Chief: Y. Yin, Y. Lu, and Y. Xia, Elsevier, 2023.

#### **Editorial Board:**

- 2011- *NPG Asia Materials*
- 2012- *Advanced Functional Materials*
- 2014- *Journal of Materials Chemistry C*
- 2014- *Science China Materials*
- 2014-2022 *ChemNanoMat*
- 2017- *Materials Today Nano*
- 2018- *Research*
- 2018- *Chemical Reviews*
- 2018- *SN Applied Sciences*
- 2020- *Nano Letters*
- 2020- *Small Structures*
- 2021- *Journal of Nanobiotechnology*
- 2022- *Precision Chemistry*
- 2022- *Responsive Materials*

#### **MEDIA COVERAGE**

1. Reusable Light-Writing Solution Reduces Paper Waste, *Photonics.com*, June 14, **2022**
2. Researchers Develop Coating Material from TiO<sub>2</sub> Nanocrystals to Produce Light-sensitive, Rewritable System, *AZO Materials*, May 30, **2022**
3. Writing with light on titania: Rewritable UV-sensitive surfaces made from doped TiO<sub>2</sub> nanocrystals, *Phys. Org.*, May 30, **2022**
4. Light-Powered Robot Decontaminates on Water's Surface, *Photonics.com*, December 16, **2021**
5. 'Water skeeter' robotic film may help combat oil spills, *DroneDJ*, December 7, **2021**
6. These Light-Powered Soft Robots Can Clean Up Ocean Water, *Wonderful Engineering*, December 6, **2021**
7. Scientists to Train Tiny Robots to Suck Oil Spills and Remove Toxins From Drinking Water, *Nature World News*, December 4, **2021**

8. Researchers develop robot water striders to clean surface water, *WaterWorld Magazine*, December 3, **2021**
9. Pressing platinum's crystal structure for catalytic activity, *Chemistry World*, October 21, **2021**
10. Color Changing Today's Applications Through Science, *IndustryWeek*, June 25, **2020**
11. Nanomaterial Brings Color-Changing Properties to Robots, *Unite.AI*, June 17, **2020**
12. Color-Switching Plasmonic Silver Films, *ChemistryViews*, October 29, **2019**
13. Researchers Fabricate Color-Changing Nanoparticles for the First Time, *Edgy Labs*, October 3, **2019**
14. Should we write off the idea of rewritable paper? *Chemical & Engineering News*, **2019**, 97, 16.
15. Hall of Fame Highlight: Yadong Yin, *Advanced Science News*, March 1, **2019**
16. Nanostructures get better at harvesting sunlight for solar steam generation, *Phys.Org*. January 14, **2019**
17. Advanced Oxidation Processes for Wastewater Treatment, *Environmental Monitor*, June 20, **2018**
18. A Faster and Cheaper Wastewater Treatment Solution, *Technology Networks*, April 16, **2018**
19. Rewritable Paper, *Anthropocene*, July **2017**
20. Print, wipe, rewrite, *Scientific American*, June **2017**, 316, 6, 16.
21. Reprintable Paper Becomes a Reality, *The Conversation*, March 1, **2017**.
22. Inkless Paper Discovered, Printed with Light & Reused 80 Times, *The Merkle Hash*, February, 8, **2017**
23. Inkless paper technology launched, *The Recycler*, February, 8, **2017**
24. Inkless paper of the future can be printed (and reprinted) with light, *Seeker*, February, 7, **2017**
25. Scientists have found a crazy new way to print on paper using light, *Science Alert*, February 5, **2017**
26. The 'magic' paper that can be erased and reused up to 80 times, *Daily Mail*, February 3, **2017**.
27. You can print this paper 80 times without a drop of ink, *Co. Design*, February 3, **2017**.
28. Scientists have invented paper that you can print with light, erase with heat, and reuse 80 times, *Quartz*, February 3, **2017**.
29. New printing technology uses light instead of ink, *Nature World News*, February, **2017**.
30. No ink required: paper can be printed with light, *Phys. Org*. February 2, **2017**.
31. Photocatalytic colour switching makes light-printable paper, *Nanotechweb.org*, December 20, **2016**.
32. Writing with light, *Nature Photonics*, **2015**, 9, 80.
33. Write with light, erase with heat, repeat, *Chemical & Engineering News*, **2014**, 92, 30.
34. Rewritable paper could get us closer to paperless, *Discovery Channel*, December **2014**.
35. Re-paper, *Materials Today*, December 5, **2014**.
36. Shining a light on rewritable paper, *Chemistry World*, December 5, **2014**.
37. Chemists use nanotechnology to fabricate novel rewritable paper, *Nanowork*, December 2, **2014**.
38. Chemists fabricate novel rewritable paper, *Science Daily*, December 2, **2014**.
39. Magnetic fields control liquid crystals' optical properties, *Photonics Spectra*, September **2014**, 27.
40. Liquid crystals controlled by magnetic fields may lead to new optical applications, *Phys.org*, July 9, **2014**.
41. Nanorods that can magnetically control liquid crystals, *Materials Today*, July 2, **2014**.
42. Chemists challenge conventional understanding of how photocatalysis works, *Phys. Org*. May 19, **2014**.
43. Plasmonic color-change pressure-sensing film could end up in baseball gloves, *Laser Focus World*, May 5, **2014**.
44. Scientists create gold nanoparticle paint that changes color based on touch, *Design & Trend*, May 3, **2014**.
45. This gold nanoparticle paint changes colour based on touch, *Gizmodo Australia*, May 3, **2014**.
46. Scientists made color-changing paint out of gold nanoparticles, *The Atlantic*, May 2, **2014**.

47. Color-changing film could revolutionize product development, *Gizmag*, May 1, **2014**.
48. Flexible pressure-sensor film shows how much force a surface ‘feels’ — in color, *ACS PressPac*, April 30, **2014**
49. Engineered structures: photonic labyrinths, *Nature Photonics*, **2013**, 7, 428.
50. BASF to develop color technology, *Chemical & Engineering News*, **2012**, 90, 12.
51. Adding new dimensions to the self-assembly of nanomagnets, *European Synchrotron Radiation Facility (ESRF) Spotlight on Science*, October, **2012**.
52. Superparamagnetic Gold nanoshells with tunable optical properties, *Physorg.com; Nanoweck.com*, May, **2010**.
53. Tunable structural colour, *Nature Photonics*, **2009**, 3, 551 – 553.
54. Optical materials: magnetic tuning, *NPG Asia Materials*, November, **2009**.
55. New printing method takes a cue from nature, *Physicsworld.com*, Sept 30, **2009**.
56. Rewritable photonic paper, *Nanoweck.com*, August 17, **2009**.
57. Magnetic microspheres could have a range of colourful applications, *The Economist*, June 27, **2009**, 85.
58. Magneto-chromatic beads, *Photonics*, June 18, **2009**.
59. Colorful, magnetic microspheres could make new kind of display, *Wired*, June 17, **2009**.
60. Magneto-chromatic material changes color on command, *Popular Science*, June 16, **2009**.
61. Silver plates: sizing and shaping with light, *Nature Nanotechnology*, **2009**
62. A hot dip before swimming, *Science (Editors’ Choice)*, **2007**, 317, 1834.
63. Colloidal crystals display a rainbow of colors, *Materials Today*, **2007**, 10, 13.
64. Magnetic route to photonic crystals, *Chemical & Engineering News*, **2007**, 85, 54-55.
65. Superparamagnetic nanoclusters form photonic crystals, *Photonics Spectra*, **2007**, 41, 24.
66. Magnacolour, *Cosmos*, **2007**, 17, 17.
67. Chameleon for optoelectronics, *Physica Status Solidi - Rapid Research Letters*, **2007**, 1, A84–A85.
68. Magnets control photonic crystals, *Optics and Photonics News*, **2007**, 18 (11), 6.
69. Controlling iron oxide colour with magnetic fields, *Nanomaterials News*, **2007**, 3 (10), 3.
70. Colourful colloids, *Chemistry World*, July **2007**.
71. Controlling color with magnets, *Technology Review*, **2007**, Sept/Oct issue (also available online).
72. A rainbow from a test tube, *Washington Post*, July 9, **2007**.
73. Magnet changes photonic-crystal-fluid color across the visible spectrum, *Laser Focus World*, July, 13, **2007**.

## **PUBLICATIONS IN PEER-REVIEWED JOURNALS**

(\*underlined: undergraduate researcher; double underlined: high school researcher)

Web of Science: Total times cited: > 62K; H-index impact factor: 114;

Google Scholar: Total times cited: > 74K; H-index impact factor: 123;

Web of Science ResearcherID: D-5987-2011; ORCID ID: orcid.org/0000-0003-0218-3042

389. Wu, C.; Fan, Q.; Wu, W.; Liang, T.; Liu, Y.; Yu, H.; Yin, Y. Magnetically Tunable One-Dimensional Plasmonic Photonic Crystals, *Nano Lett.*, **2023**, in press.
388. Yu, J., Yin, Y., Huang, W. Engineered interfaces for heterostructured intermetallic nanomaterials, *Nat. Synth.* **2023**, in press.
387. Gao, J.; Zhao, Q.; Tan, C.; Xie, S.; Yin, Y.; Liu, F.; Liu, H.; Chen, B.; Liu, J. Accelerating Catalytic Oxyanion Reduction with Inert Metal Hydroxides, *Environ. Sci. Technol.*, **2023**, 57, 1479–1486.

386. Qi, F.; Li, L.; Li, Z.; Qiu, L.; Meng, Z.; Yin, Y. Magnetic/plasmonic hybrid nanodisks with dynamically tunable mechano-chiroptical responses, *ACS Nano*, **2023**, *17*, 1427–1436.
385. Goodrich, R.; Tai, Y.; Ye, Z.; Yin, Y.; Nam, J. A Magneto-Responsive Hydrogel System for the Dynamic Mechano-Modulation of Stem Cell Niche, *Adv. Funct. Mater.*, **2023**, in press.
384. Ye, Z.; Yin, Y. Etching-Based Hollowing of Nanostructures, *Chem. Res. Chin. Univ.*, **2023**, in press.
383. Yang, Y.; Wang, Q.; Zhang, X.; Deng, X.; Guan, Y.; Wu, M.; Liu, L.; Wu, J.; Yao, T.; Yin, Y. Photocatalytic generation of H<sub>2</sub>O<sub>2</sub> over a Z-scheme Fe<sub>2</sub>O<sub>3</sub>@C@1T/2H-MoS<sub>2</sub> heterostructured catalyst for high-performance Fenton reaction, *J. Mater. Chem. A*, **2023**, *11*, 1991-2001.
382. Chen, J.; Lee, M.; Qiu, Y.; Wu, C.; Li, B.; Yin, Y. Emulsion-Templated Synthesis of 3D Evaporators for Efficient Solar Steam Generation, *SmartMat*, **2023**, *4*, e1140.
381. Chen, Y.; Zuo, Z.-H.; Liu, Z.-Q.; Yin, Y. Rapid Color-Switching of MnO<sub>2</sub> Hollow-Nanosphere Films in Dynamic Water Vapor for Reversible Optical Encryption, *Small*, **2022**, *18*, 2204484.
380. Li, Z.; Poon, W.; Ye, Z.; Qi, F.; Park, B. H.; Yin, Y. Magnetic field-modulated plasmonic scattering of hybrid nanorods for FFT-weighted OCT imaging in NIR-II, *ACS Nano*, **2022**, *16*, 12738–12746.
379. Li, Z.; Meng, Z.; Tian, F.; Ye, Z.; Zhou, X.; Zhong, X.; Chen, Q.; Yang, M.; Liu, Z.; Yin, Y. FFT-weighted Photoacoustic Imaging by in vivo Magnetic Alignment of Hybrid Nanorods, *Nano Lett.*, **2022**, *22*, 5158–5166.
378. Wu, C.; Yin, Y. Chiral semiconductor photonic thin film with tunable circularly polarized luminescence, *Matter*, **2022**, *5*, 2466-2468.
377. Wu, C.; Fan, Q.; Yin, Y. Emulsion-confined self-assembly of colloidal nanoparticles into 3D superstructures, *Cell Rep. Phys. Sci.*, **2022**, *3*, 101162.
376. Aleisa, R.; Feng, J.; Ye, Z.; Yin, Y. Rapid High-contrast Photoreversible Coloration of Surface-functionalized N-doped TiO<sub>2</sub> Nanocrystals for Rewritable Light-Printing, *Angew. Chem. Int. Ed.*, **2022**, *61*, e202203700.
375. Fu, Q.; Ge, J.; Chen, C.; Wang, Z.; Yang, F.; Yin, Y. High-Precision Colorimetric Sensing by Dynamic Tracking of Solvent Diffusion in Hollow-Sphere Photonic Crystals, *Research*, **2022**, 9813537.
374. Yin, Y.; Rogers, J. A., Introduction: Smart Materials. *Chem. Rev.* **2022**, *122*, 4885-4886.
373. Feng, J.; Weng, X.; Mandujano, M. A. G.; Muminov, B.; Ahuja, G.; Méndez, E. R.; Yin, Y.; Vuong, L. T., Insect-inspired nanofibrous polyaniline multi-scale films for hybrid polarimetric imaging with scattered light. *Nanoscale Horiz.* **2022**, *7*, 319-327.
372. Ding, D.; Li, Z.; Yu, S.; Yang, B.; Yin, Y.; Zan, L.; Myung, N. V. Piezo-photocatalytic Flexible PAN/TiO<sub>2</sub> Composite Nanofibers for Environmental Remediation *Sci. Total Environ.* **2022**, *824*, 153790.
371. Zhang, J.; Li, Z.; Bai, Y.; Yin, Y. Gold Nanocups with Multimodal Plasmon Resonance for Quantum-Dot Random Lasing, *Appl. Mater. Today*, **2022**, *26*, 101358.
370. Chen, J.; Gong, M.; Fan, Y.; Feng, J.; Han, L.; Xin, H.; Cao, M.; Zhang, Q.; Zhang, D.; Lei, D.; Yin, Y. Collective Plasmon Coupling in Gold Nanoparticle Clusters for Highly Efficient Photothermal Therapy, *ACS Nano*, **2022**, *16*, 910-920.
369. Yang, F.; Feng, J.; Chen, J.; Ye, Z.; Chen, J.; Hensley, D. K.; Yin, Y. Engineering Surface Strain for Site-Selective Island Growth of Au on Anisotropic Au Nanostructures, *Nano Res.*, **2022**, in press.
368. Li, Z.; Fan, Q.; Yin, Y. Colloidal Self-assembly Approaches to Smart Nanostructured Materials, *Chem. Rev.*, **2022**, *122*, 4976–5067.
367. Huang, J.; Zeng, J.; Zhang, X.; Guo, G.; Liu, R.; Yan, Z.; Yin, Y. Fatigue resistant aerogel/hydrogel nanostructured hybrid for highly sensitive and ultrabroad pressure sensing, *Small*, **2021**, 2104706.

366. Zhong, Q.; Feng, J.; Jiang, B.; Fan, Y.; Zhang, Q.; Chen, J.; Yin, Y., Strain-modulated seeded growth of highly branched black Au superparticles for efficient photothermal conversion, *J. Am. Chem. Soc.* **2021**, *143*, 20513-20523.
365. Li, Z.; Wang, X.; Han, L.; Zhu, C.; Xin, H.; Yin, Y. Multicolor photonic pigments for rotation-asymmetric mechanochromic devices, *Adv. Mater.*, **2021**, 2107398.
364. Wu, C.; Li, Z.; Bai, Y.; To, D.; Myung, N.; Yin, Y., Self-assembly of Colloidal Nanoparticles into Encapsulated Hollow Superstructures, *Aggregate*, **2021**, e146.
363. Li, Z., Myung, N. V., Yin, Y. Light-powered soft steam engines for self-adaptive oscillation and biomimetic swimming, *Sci. Robot.*, **2021**, *6*, eabi4523.
362. He, T.; Wang, W.; Shi, F.; Yang, X.; Li, X.; Wu, J.; Yin, Y.; Jin, M. Mastering the surface strain of Pt catalysts for efficient electrocatalysis, *Nature*, **2021**, *598*, 76-81.
361. Yang, J.; Jang, M. J.; Zeng, X.; Park, Y. S.; Lee, J.; Choi, S. M.; Yin, Y. Non-precious electrocatalysts for oxygen evolution reaction in anion exchange membrane water electrolysis: a mini review, *Electrochem. Commun.*, **2021**, *131*, 107118
360. Li, Z.; Zhang, J.; Jin, J.; Yang, F.; Aleisa, R.; Yin, Y., Creation and Reconstruction of Thermo-chromic Au Nanorods with Surface Concavity, *J. Am. Chem. Soc.*, **2021**, *143*, 15791–15799.
359. Li, Z.; Qian, C.; Xu, W.; Zhu, C.; Yin, Y. Coupling Morphological and Magnetic Anisotropy for Assembling Tetragonal Colloidal Crystals, *Sci. Adv.*, **2021**, *7*, eabh1289.
358. Feng, J.; Xu, D.; Yang, F.; Chen, J.; Wu, C.; Yin, Y. Surface Engineering and Controlled Ripening for Seed-Mediated Growth of Au Islands on Au Nanocrystals, *Angew. Chem. Int. Ed.*, **2021**, *60*, 16958-16964.
357. Liu, Y.; Fan, Q.; Zhu, G.; Shi, G.; Ma, H.; Li, W.; Wu, T.; Chen, J.; Yin, Y.; Guan, J. A Dual Responsive Photonic Liquid for Independent Modulation of Color Brightness and Hue, *Mater. Horiz.*, **2021**, *8*, 2032-2040.
356. Yang, Y.; Wang, Q.; Aleisa, R.; Zhao, T.; Ma, S.; Zhang, G.; Yao, T.; Yin, Y. MoS<sub>2</sub>/FeS Nanocomposite Catalyst for Efficient Fenton Reaction, *ACS Appl. Mater. Interfaces*, **2021**, *13*, 51829-51838.
355. Ding, D.; Wu, H.; He, X.; Yang, F.; Gao, C.; Yin, Y.; Ding, S. A metal nanoparticle assembly with broadband absorption and suppressed thermal radiation for enhanced solar steam generation, *J. Mater. Chem. A*, **2021**, *9*, 11241-11247.
354. Wu, C.; Lu, Z.; Li, Z.; Yin, Y. Assembly of Colloidal Nanoparticles into Hollow Superstructures by Controlling Phase Separation in Emulsion Droplets, *Small Struct.*, **2021**, *2*, 2100005.
353. He, T.; Wang, W.; Yang, X.; Shi, F.; Ye, Z.; Zheng, Y.; Li, F.; Wu, J.; Yin, Y.; Jin, M. Deposition of Atomically Thin Pt Shells on Amorphous Palladium Phosphide Cores for Enhancing the Electrocatalytic Durability, *ACS Nano*, **2021**, *15*, 7348–7356.
352. Cai, Z.; Li, Z.; Ravaine, S.; He, M.; Song, Y.; Yin, Y.; Zheng, H.; Teng, J.; Zhang, A. From Colloidal Particles to Photonic Crystals: Advances in Self-Assembly and Their Emerging Applications, *Chem. Soc. Rev.*, **2021**, *50*, 5898 – 5951.
351. Li, Y.; Fan, Q.; Wang, X.; Liu, G.; Chai, L.; Zhou, L.; Shao, J.; Yin, Y. Shear-induced assembly of liquid colloidal crystals for large-scale structural coloration of textiles, *Adv. Funct. Mater.* **2021**, 2010746.
350. Wang, C.; Yu, S.; Cwiertny, D. M.; Yin, Y.; Myung, N. V. Phosphate Removal using Surface Enriched Hematite and Tetra-n-butylammonium Bromide Incorporated Polyacrylonitrile Composite Nanofibers, *Sci. Total Environ.* **2021**, *770*, 145364.
349. Chen, J.; Ye, Z.; Yang, F.; Yin, Y. Plasmonic Nanostructures for Photothermal Conversion, *Small Sci.* **2021**, *1*, 2000055.

348. Liu, D.; Aleisa, R.; Cai, Z.; Li, Y.; Yin, Y. Self-Assembly of Superstructures at All Scales, *Matter*, **2021**, 927-941.
347. Mahsud, A.; Chen, J.; Yuan, X.; Lyu, F.; Zhong, Q.; Chen, J.; Yin, Y.; Zhang, Q. Self-templated formation of cobalt-embedded hollow N-doped carbon spheres for efficient oxygen reduction, *Nano Res.* **2021**, *14*, 2819–2825.
346. Chen, J.; Jiang, F.; Yin, Y. Manipulation of Interfacial Diffusion for Controlling Nanoscale Transformation, *Acc. Chem. Res.* **2021**, *54*, 1168–1177.
345. Li, Z.; Ye, Z.; Han, L.; Fan, Q.; Wu, C.; Ding, D.; Xin, H. L.; Myung, N. V.; Yin, Y. Polarization-modulated multi-directional photothermal actuators, *Adv. Mater.* **2021**, *33*, 2006367.
344. Yang, F.; Chen, J.; Ye, Z.; Ding, D.; Myung, N. V.; Yin, Y. Ni-based Plasmonic/Magnetic Nanostructures as Efficient Light Absorbers for Steam Generation, *Adv. Funct. Mater.*, **2021**, *31*, 2006294.
343. Chen, J.; Bai, Y.; Feng, J.; Yang, F.; Xu, P.; Wang, Z.; Zhang, Q.; Yin, Y. Anisotropic Seeded Growth of Ag Nanoplates Confined in Shape-Deformable Spaces, *Angew. Chem. Int. Ed.*, **2021**, *60*, 4117-4124.
342. Gao, C.; Lyu, F.; Yin, Y. Encapsulated Metal Nanoparticles for Catalysis, *Chem. Rev.*, **2021**, *121*, 834–881.
341. Xing, X.; Man, Z.; Bian, J.; Yin, Y.; Zhang, W.; Lu, Z. High-Resolution Combinatorial Patterning of Functional Nanoparticles, *Nat. Commun.* **2020**, *11*, 6002.
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3. Yin, Y., Ed. *Handbook of Synthetic Methodologies and Protocols of Nanomaterials*. World Scientific Publisher, **2019**.
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10. Feng, J. and Yin, Y., Templated Synthesis of Plasmonic Nanostructures, in *World Scientific Reference on Plasmonic Nanomaterials Principles, Design and Bio-applications* (Editor-in-Chief: Luis M Liz-Marzán), *Volume 2: Plasmonic Nanoparticles: Synthesis and (Bio)functionalization* (Vol. Ed: Wang, J.), World Scientific Publisher, **2022**, pp...

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## **INVITED PRESENTATIONS**

231. Growth, Assembly, and Transformation of Plasmonic Nanostructures in Confined Spaces, Materials Research Society Spring Meeting, April **2023**, virtual
230. Multi-Scale Self-Assembly of Colloidal Nanostructures, American Chemical Society Fall Meeting, March **2023**, Indianapolis, IN.
229. Designing Plasmonic Nanostructures for Smart Materials, February **2023**, Zhejiang University, Hangzhou, China
228. Plasmonic Nanostructures for Photothermal Conversion, January **2023**, SPIE Optics + Photonics (The International Society for Optical Engineering), San Francisco, CA
227. Confined Growth of Plasmonic Nanostructures and Their Transformation and Assembly, American Chemical Society Fall Meeting, April **2022**, San Diego, CA
226. Self-Assembly of Colloidal Nanostructures to Smart Materials, American Chemical Society Fall Meeting, August **2022**, Chicago, IL
225. Designing Plasmonic Nanostructures for Smart Materials, Westlake University, December **2022**, virtual
224. Plasmonic and Magnetic Hybrid Nanostructures for Smart Materials, Materials Research Society Fall Meeting, December **2023**, virtual
223. All-Scale Assembly and Precise Positioning of Colloidal Nanostructures, Fuzhou University, November **2022**, virtual
222. All-Scale Assembly and Precise Positioning of Colloidal Superstructures, The Micro Nano Technology Collaborative Undergraduate Research Network (MNT-CURN), October **2022**, virtual
221. Designing Plasmonic Nanostructures for Smart Materials, Nankai University, September **2022**, virtual
220. Designing Plasmonic Nanostructures for Smart Materials, September **2022**, Iowa State University, Ames, IA
219. Designing Plasmonic Nanostructures for Smart Materials, June **2022**, Department of Materials Science and Engineering, University of California, Riverside, CA
218. Designing Plasmonic Nanostructures for Smart Materials, Yangzhou University, May **2022**, virtual
217. Designing Plasmonic Nanostructures for Smart Materials, Zhengzhou University, December **2021**, virtual
216. Designing Plasmonic Nanostructures for Smart Materials, Henan University, November **2021**, virtual
215. Colorful and Smart Nanoscale Materials, The Micro Nano Technology Collaborative Undergraduate Research Network (MNT-CURN), November **2021**, virtual
214. Designing Plasmonic Nanostructures for Smart Materials, University of California, Merced, November **2021**, virtual
213. Plasmonic Nanostructures for Photothermal Conversion, The Second International Conference on Advanced Materials for Energy and Information Technology, August **2021**, virtual
212. Colloidal Assembly Approaches to Smart Photonic Materials, Beijing Institute of Technology, July **2021**, virtual.
211. All-Scale Assembly and Precise Positioning of Colloidal Nanostructures, China University of Petroleum, June **2021**, virtual.
210. Plasmonic Nanostructures for Photothermal Conversion, Materials Research Society Spring Meeting, April **2021**, virtual

209. All-Scale Assembly and Precise Positioning of Colloidal Nanostructures, American Chemical Society Spring Meeting, April **2021**, virtual.
208. All-Scale Assembly and Precise Positioning of Colloidal Nanostructures, NanoGe Spring Meeting, March **2021**, virtual.
207. Encapsulated Metal Nanoparticles for Catalysis, Chemical Reviews Tematic Talks, American Chemical Society, March **2021**, virtual.
206. Smart Optical Materials by Nanoscale Assembly, Department of Chemical and Environmental Engineering, November **2019**, Riverside, CA
205. Smart Optical Materials by Nanoscale Assembly, JST CREST International Workshop, New Developments toward Wearable Photonics: From Materials to Devices, October **2019**, Tokyo, Japan
204. Let There Be Light - Smart Optical Materials by Nanoscale Assembly, Distinguished Speaker Series, Guangdong Technion Israel Institute of Technology (GTIIT), September **2019**, Shantou, Guangdong, China
203. Chemical Transformations of Nanostructures, American Chemical Society Fall Meeting, August **2019**, San Diego, CA
202. Confined Growth and Transformation of Colloidal Nanostructures at Solid-Liquid Interfaces, American Chemical Society Fall Meeting, August **2019**, San Diego, CA
201. Nanoscale Synthesis and Assembly to Smart Optical Materials, August **2019**, Tsinghua University, Beijing, China
200. Seeded Growth of Plasmonic Nanostructures in Confined Spaces, The 2nd International Symposium on Hollow Nanostructured Materials (ISHNM 2019), August **2019**, Beijing, China
199. Nanoscale Synthesis and Assembly to Smart Optical Materials, August **2019**, Beijing Institute of Technology, Beijing, China
198. Nanoscale Synthesis and Assembly to Smart Optical Materials, August **2019**, Lanzhou University, Lanzhou, China
197. Nanoscale Synthesis and Assembly to Smart Optical Materials, International Conference on Advances in Functional Materials 2019 (AFM2019), July **2019**, George Washington University, Washington, D.C (Plenary)
196. Nanoscale Assembly to Smart Optical Materials, 14th Sino-US Forum on Nanoscale Science and Technology, June **2019**, Changsha, China
195. Nanoscale Synthesis and Assembly to Smart Optical Materials, Hunan University, June **2019**, Changsha, China
194. Nanoscale Synthesis and Assembly to Smart Optical Materials, Jilin University, June **2019**, Changchun, China
193. Seeded Growth of Plasmonic Nanostructures in Confined Spaces, Jilin University, June **2019**, Changchun, China
192. Nanoscale Synthesis and Assembly to Smart Optical Materials, Southwest Petroleum University, June **2019**, Chengdu, China
191. Nanoscale Synthesis and Assembly to Smart Optical Materials, Southwest Jiaotong University, June **2019**, Chengdu, China
190. Nanoscale Synthesis and Assembly to Smart Optical Materials, China University of Petroleum (East China), June **2019**, Qingdao, China

189. Nanoscale Synthesis and Assembly to Smart Optical Materials, Shandong University, June **2019**, Jinan, China
188. Seeded Growth of Plasmonic Nanostructures in Confined Spaces, Fudan University, June **2019**, Shanghai, China
187. Nanoscale Synthesis and Assembly to Smart Optical Materials, East China University of Science and Technology, June **2019**, Shanghai, China
186. Synthesis of Colloidal Plasmonic Nanostructures in Confined Spaces, Second Annual Nanomedicine Short Course, University of Minnesota, June **2019**, Minneapolis, MN
185. Nanoscale Synthesis and Assembly to Smart Optical Materials, Lawrence Livermore National Laboratory, June **2019**, Livermore, CA
184. Growth and Transformation of Colloidal Nanostructures in Confined Spaces, Materials Research Society Spring Meeting, April **2019**, Phoenix, AZ
183. Nanoscale Self-Assembly to Smart Optical Materials, Materials Research Society Spring Meeting, April **2019**, Phoenix, AZ
182. Smart Optical Materials by Nanoscale Assembly, IEEE SoCal Nanotechnology Council Chapter Seminar, California State Polytechnic University, April **2019**, Pomona, CA
181. Manipulation of Surface Capping for Controlled Growth, Transformation, and Assembly of Nanocrystals, American Chemical Society Spring Meeting, April **2019**, Orlando, FL
180. Smart Optical Materials by Nanoscale Assembly, Purdue University, January **2019**, West Lafayette, IN
179. Confined Growth of Metal Nanostructures, Materials Research Society Fall Meeting, November **2018**, Boston, MA
178. Nanoscale Assembly to Smart Optical Materials, Beijing Institute of Technology, November **2018**, Beijing, China
177. In-N-Out, and More, Xiangshan Science Conferences: Multi-shelled Hollow Nanostructured Materials, November **2018**, Beijing, China
176. Smart Optical Materials by Nanoscale Magnetic Assembly, Workshop on Understanding the Self-Assembly of 1-D, 2-D Nanomaterials with in-situ X-Ray Scattering, ALS User Meeting, Lawrence Berkeley National Laboratory, October **2018**, Berkeley, CA
175. Nanoscale Synthesis and Assembly to Smart Materials, Suzhou Institute of Nano-Tech and Nano-Bionics (SINANO), Chinese Academy of Sciences, September **2018**, Suzhou, China
174. Nanoscale Synthesis and Assembly to Smart Materials, Soochow University, September **2018**, Suzhou, China
173. Conventional and Unconventional Synthesis of Hollow Nanostructures, Shandong University, September **2018**, Jinan, China
172. Nanoscale Synthesis and Assembly to Smart Materials, Taishan Forum for Advanced Interdisciplinary Research (FAIR 2018), September **2018**, Jinan, China
171. Smart Materials by Nanoscale Assembly, University of Toronto, August **2018**, Toronto, Canada
170. Smart Materials by Nanoscale Assembly, Army Medical University, July **2018**, Chongqing, China
169. Smart Materials by Nanoscale Assembly, Chinese Materials Research Society (C-MRS) Meeting, July **2018**, Xiamen, China
168. Smart Optical Materials by Nanoscale Assembly, 16th International Nanotech Symposium & Nano-Convergence Expo, NANO KOREA 2018, July **2018**, KINTEX, South Korea

167. Smart Materials by Nanoscale Assembly, Fudan University, June **2018**, Shanghai, China
166. Smart Materials by Nanoscale Assembly, Hong Kong Polytechnic University, July **2018**, Hong Kong, China
165. Unconventional Routes to Colloidal Nanostructures, Shenzhen University, July **2018**, Shenzhen, China
164. Smart Materials by Nanoscale Assembly, Shenzhen Institutes of Advanced Technology (SIAT), Chinese Academy of Sciences (CAS), July **2018**, Shenzhen, China
163. Smart Materials by Nanoscale Assembly, Sun Yat-sen University, July **2018**, Guangzhou, China
162. Smart Materials by Nanoscale Assembly, South China University of Technology, July **2018**, Guangzhou, China
161. Smart Optical Materials by Nanoscale Assembly, Central South University, June **2018**, Changsha, China
160. Unconventional Routes to Colloidal Nanostructures, Hunan University, June **2018**, Changsha, China
159. Stimuli-Responsive Nanostructured Optical Materials, University of California, Los Angeles, May **2018**, Los Angeles, CA
158. Tailored Synthesis and Niche Applications of Complex Nanostructured Photocatalysts, Materials Research Society Spring Meeting, April **2018**, Phoenix, AZ
157. Nanostructure Engineering for Energy Conversion and Environmental Remediation, 2nd UC-KIMS Center (CIME) Workshop on Innovative Materials for Energy and Environment, April **2018**, Changwon, South Korea
156. Smart Nanostructured Optical Materials, Chonnam National University, April **2018**, Gwangju, South Korea
155. Designer Nanostructured Materials, Konkuk University, April **2018**, Seoul, South Korea
154. Unconventional Synthesis of Colloidal Nanostructures, China University of Petroleum (East China), September **2017**, Qingdao, China
153. Conventional and Unconventional Synthesis of Hollow Nanostructures, The 1<sup>st</sup> International Symposium on Hollow Nanostructured Materials, September **2017**, Qingdao, China
152. Templated Synthesis of Nanostructured Materials, International Conference on Nanoscience & Technology (ChinaNano 2017), August **2017**, Beijing, China (keynote)
151. Stimuli-Responsive Nanostructured Optical Materials, Beihang University, August **2017**, Beijing, China
150. Photocatalytic Reversible Color Switching, FUNSOM-ACS NANO Bilateral Workshop, Soochow University, August **2017**, Suzhou, China
149. Unconventional Routes to Colloidal Nanostructures, East China University of Science and Technology, June **2017**, Shanghai, China
148. Stimuli-Responsive Nanostructured Optical Materials, Yancheng Institute of Technology, July **2017**, Yancheng, China
147. Stimuli-Responsive Nanostructured Optical Materials, Nanjing University of Technology, July **2017**, Nanjing, China
146. Unconventional Routes to Colloidal Nanostructures, Nanjing University of Technology, July **2017**, Nanjing, China
145. Unconventional Routes to Colloidal Nanostructures, Nanjing University, July **2017**, Nanjing, China
144. Unconventional Routes to Colloidal Nanostructures, Institute of Solid State Physics, Chinese Academy of Sciences (CAS), July **2017**, Hefei, China

143. Unconventional Routes to Colloidal Nanostructures, University of Science and Technology of China, July **2017**, Hefei, China
142. Unconventional Routes to Colloidal Nanostructures, Soochow University, July **2017**, Suzhou, China
141. Nanostructure Engineering for Energy & Environmental Applications, UC-KIMS Center (CIME) Workshop on Innovative Materials for Energy and Environment, May **2017**, Riverside, CA
140. Rational Design of Photoactive Titania Nanostructures, Materials Research Society Spring Meeting, April **2017**, Phoenix, AZ
139. Rational Design and Plasmonic Tuning of Noble Metal Nanostructures, Materials Research Society Spring Meeting, April **2017**, Phoenix, AZ
138. Designer Noble Metal Nanostructures: Controlled Synthesis and Beyond, American Chemical Society Spring Meeting, April **2017**, San Francisco, CA
137. Stimuli-Responsive Materials by Nanoscale Assembly and Disassembly, American Chemical Society Spring Meeting, April **2017**, San Francisco, CA
136. Stimuli-Responsive Nanostructured Optical Materials, Temple University, March **2017**, Philadelphia, PA
135. Stimuli-Responsive Nanostructured Optical Materials, DuPont, March **2017**, Wilmington, DE
134. Stimuli-Responsive Nanostructured Optical Materials, Jinan University, November **2016**, Jinan, China
133. Designer Noble Metal Nanostructures: Controlled Synthesis and Beyond, November **2016**, Shandong University, Jinan, China
132. Rational Design of Photocatalytic Titania Nanostructures, Nanopia, November **2016**, Changwon, South Korea
131. Stimuli-Responsive Nanostructured Optical Materials, Pohang University of Science and Technology (POSTECH), November **2016**, Pohang, South Korea
130. Designer Noble Metal Nanostructures: Controlled Synthesis and Beyond, Pohang University of Science and Technology (POSTECH), November **2016**, Pohang, South Korea
129. Designer Noble Metal Nanostructures: Controlled Synthesis and Beyond, Beijing University of Chemical Technology, November **2016**, Beijing, China
128. Designer Noble Metal Nanostructures: Controlled Synthesis and Beyond, Institute of Process Engineering, Chinese Academy of Sciences, November **2016**, Beijing, China
127. Designer Noble Metal Nanostructures: Controlled Synthesis and Beyond, Institute of Chemistry, Chinese Academy of Sciences, November **2016**, Beijing, China
126. Stimuli-Responsive Nanostructured Optical Materials, Capital Normal University, November **2016**, Beijing, China
125. Beyond the Synthesis of Metal Nanostructures, International Conference on Advancing the Chemical Sciences (ISACS), November **2016**, Beijing, China
124. Stimuli-Responsive Nanostructured Optical Materials, Tianjin Normal University, November **2016**, Tianjin, China
123. Rational Design of Photocatalytic Titania Nanostructures, Keck Energy Materials Program (KEMP) Symposium, September **2016**, California State University, Long Beach, CA
122. Colorimetric Stress Sensor Based on Plasmonic Nanostructures, American Chemical Society Fall Meeting, August **2016**, Philadelphia, PA
121. Stimuli-Responsive Nanostructured Optical Materials, Technical University Sydney, June **2016**, Sydney, Australia

120. Stimuli-Responsive Nanostructured Optical Materials, Symposium of Innovations in Materials Chemistry, University of Pittsburgh, April **2016**, Pittsburgh, PA (keynote)
119. Stimuli-responsive nanostructured optical materials, University of Connecticut, March **2016**, Storrs, CT
118. Colorful Fun with Metal Nanostructures, Pasadena City College, March **2016**, Pasadena, CA
117. TiO<sub>2</sub>-Based Reversible Photocatalytic Color Switching System, Materials Research Society Spring Meeting, April **2016**, Phoenix, AZ
116. Dynamically Responsive Plasmonic Nanostructures, American Chemical Society Spring Meeting, March **2016**, San Diego, CA
115. Plasmonic Nanocomposites for Energy Conversion, Materials Research Society Fall Meeting, November **2015**, Boston, MA
114. Magnetically Tunable Photonic Crystal Structures, China Academic Conference on Printing and Packaging, October **2015**, Hangzhou, China (keynote)
113. Stimuli-Responsive Nanostructured Optical Materials, International Conference on Nanoscience & Technology (ChinaNano 2015), September **2015**, Beijing, China (keynote)
112. Rational Design of Titania Based Functional Nanostructures, SPIE Optics + Photonics (The International Society for Optical Engineering), August **2015**, San Diego, CA (keynote)
111. Stimuli-Responsive Nanostructured Optical Materials, 2nd International Conference of Challenges and Perspectives on Functional Nanostructures, July **2015**, Ilmenau, Germany (keynote)
110. Unconventional Epitaxial Synthesis of Anisotropic Metal Nanostructures, 10<sup>th</sup> Sino-US Nano Forum, Wuhan University of Technology, June **2015**, Wuhan, China,
109. Responsive Nanostructured Optical Materials, North Carolina State University, April 2015, Raleigh, NC
108. Reversible Photocatalytic Color Switching for Ink-free Rewritable Media, Materials Research Society Spring Meeting, April **2015**, San Francisco, CA
107. Magnetic Field-Responsive Optical Switching of Nanostructured Materials, Materials Research Society Spring Meeting, April **2015**, San Francisco, CA
106. Stimuli-Responsive Plasmonic Nanostructures, Materials Research Society Spring Meeting, April **2015**, San Francisco, CA
105. Responsive Nanostructured Optical Materials, Lawrence Berkeley National Laboratory, March **2015**, Berkeley, CA
104. Responsive Nanostructured Optical Materials, Peking University, December, **2014**, Beijing, China
103. Responsive Nanostructured Optical Materials, East China Normal University, December, **2014**, Shanghai, China
102. Titania-Based Energy Materials, The First International Conference on Nanoenergy and Nanosystems (NENS2014), December, **2014**, Beijing, China
101. Responsive Nanostructured Optical Materials, China University of Geosciences, December, **2014**, Beijing, China
100. Magnetic Tuning of Optical Properties of Nanostructured Materials, Binghamton University - State University of New York, September **2014**, Binghamton, New York
99. Nanoscale Assembly and Disassembly for Stimuli-Responsive Materials, ACS 248th National Meeting, August **2014**, San Francisco, CA
98. Magnetic Tuning of Optical Properties of Nanostructured Materials, The 9<sup>th</sup> Sino-US Nano Forum, July **2014**, Tianjin, China

97. Magnetic Tuning of Optical Properties of Nanostructured Materials, Wuhan University, July **2014**, Wuhan, China
96. Magnetic Tuning of Optical Properties of Nanostructured Materials, Wuhan University of Technology, July **2014**, Wuhan, China
95. Magnetic Tuning of Optical Properties of Nanostructured Materials, Soochow University, July **2014**, Soochow, China
94. Magnetic Tuning of Optical Properties of Nanostructured Materials, Jinan University, July **2014**, Jinan, China
93. Magnetic Tuning of Optical Properties of Nanostructured Materials, Institute of Process Engineering, Chinese Academy of Sciences, July **2014**, Beijing, China
92. Magnetic Tuning of Optical Properties of Nanostructured Materials, Institute of Physics, Chinese Academy of Sciences, July **2014**, Beijing, China
91. Assembly and Disassembly of Nanostructures for Stimuli-Responsive Materials. Materials Research Society Spring Meeting, April **2014**, San Francisco, CA
90. Magnetic Tuning of Nanostructured Optical Materials. Materials Research Society Spring Meeting, April, **2014**, San Francisco, CA
89. Magnetic Tuning of Optical Properties of Nanostructured Materials, Georgia Institute of Technology, March 2014, Atlanta, GA
88. Magnetic Assembly and Tuning of Nanostructured Optical Materials, Agilent Technologies, March 2014, Santa Clara, CA
87. Self-Assembly of Responsive Photonic Nanostructures, 3<sup>rd</sup> Nano Today Conference, December **2013**, Biopolis, Singapore
86. Plasmonic Nanostructures with Tunable Optical Properties, University of California, MSE Colloquium, October **2013**, Riverside, CA
85. Let There Be Light: Responsive Nanostructured Photonic Materials, University of the Pacific, October **2013**, Stockton, CA
84. Let there be light: Magnetic Assembly of Photonic Nanostructures, Beijing Institute of Nanoenergy and Nanosystem, September **2013**, Beijing, China
83. Rational Design of Titania Based Functional Nanostructures, International Conference on Nanoscience & Technology (ChinaNano 2013), September **2013**, Beijing, China
82. Let There Be Light: Smart Nanostructured Optical Materials, International Conference on Intercalation Chemistry and Functional Nanomaterials, Beijing University of Chemical Technology, July **2013**, Beijing, China
81. Plasmonic Nanostructures with Tunable Optical Properties, Institute of Chemistry, Chinese Academy of Sciences, July **2013**, Beijing, China
80. Plasmonic Nanostructures with Tunable Optical Properties, Qingdao University, July **2013**, Qingdao, Shandong, China
79. Self-Assembly of Responsive Photonic Nanostructures, 2013 International Conference on Self-assembled Functional Materials, July **2013**, Nanjing, China
78. Architectural Design of Functional Titania Nanostructures, International Conference on Materials for Advanced Technologies, The Materials Research Society of Singapore, July **2013**, Singapore.
77. Active Assembly and Tuning of Optical Nanostructures, The 8<sup>th</sup> Sino-US Nano Forum, June **2013**, Hangzhou, Zhejiang, China

76. Metallic Nanostructures with Tunable Plasmonic Properties, ACS 245th National Meeting, April **2013**, New Orleans, LA
75. Self-Assembled Colloidal Nanocrystal Clusters for Bioseparation, SPIE Photonics West, February **2013**, San Francisco, CA
74. Stimuli-responsive Photonic Nanostructures, Boise State University, February **2013**, Boise, ID
73. Plasmonic Nanostructures: Synthesis, Self-Assembly, and Tunable Optical Properties, University of Utah, February **2013**, Salt Lake City, UT
72. Magnetic Assembly of Responsive Photonic Nanostructures, Soochow University, December **2012**, Soochow, Jiangsu, China
71. Self-Assembled Nanostructures with Dynamically Tunable Optical Properties, Pioneer NanoSeoul Forum, October **2012**, Yonsei University, Seoul, Korea (keynote)
70. Magnetically Responsive Photonic Nanostructures, XXI International Materials Research Congress (IMRC2012), Sociedad Mexicana de Materiales, August **2012**, Cancun, Mexico
69. Design and Fabrication of Highly Active TiO<sub>2</sub>-Based Photocatalysts, XXI International Materials Research Congress (IMRC2012), Sociedad Mexicana de Materiales, August **2012**, Cancun, Mexico
68. Magnetic Assembly of Responsive Photonic Nanostructures, Shandong University, August **2012**, Jinan, Shandong, China
67. Metallic Nanostructures with Tunable Plasmonic Properties, Gordon Research Conference on Noble Metal Nanoparticles, June **2012**, South Hadley, MA
66. Magnetic Assembly of Responsive Photonic Nanostructures, University of California, May **2012**, Davis, CA
65. Self-Assembly of Magnetic Colloids to Responsive Photonic Nanostructures, Materials Research Society Spring Meeting, San Francisco, April **2012**, San Francisco, CA
64. Metallic Nanostructures with Tunable Plasmonic Properties, 3M Company, 3M Corporate Research Center Seminar, February **2012**, St. Paul MN
63. Magnetic Assembly of Responsive Photonic Nanostructures, University of Minnesota, February **2012**, Minneapolis, MN
62. Magnetic Assembly of Colloidal Responsive Photonic Nanostructures, University of California, February **2012**, San Diego, CA
61. Magnetically Responsive Photonic Nanostructures: From Ordinary to Extraordinary, Department of Chemical and Environmental Engineering, University of California, October, **2011**, Riverside, CA
60. Functional Nanostructures by Design: from Photonic Materials to Bioseparation, University of Florida, September, **2011**, Gainesville, FL
59. Magnetically Responsive Photonic Nanostructures: From Ordinary to Extraordinary, St. John's University, September, **2011**, Queens, NY
58. Magnetically Responsive Photonic Nanostructures: From Ordinary to Extraordinary, Univeristy of Akron, September, **2011**, Akron, OH
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