

**Hui Wang**  
Associate Professor (with tenure)

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### 1. EDUCATION/TRAINING:

<u>Institution</u>	<u>Major Area</u>	<u>Degree &amp; Year</u>
University of Texas, Austin, Texas	Single-Molecule Spectroscopy	Postdoc - 2007-2010
Rice University, Houston, Texas	Physical Chemistry, Nanoscience	Ph.D. - 2007
Nanjing University, Nanjing, China	Analytical Chemistry	M.S. - 2003
Nanjing University, Nanjing, China	Chemistry	B.S. with honors – 2001

### 2. ACADEMIC/PROFESSIONAL APPOINTMENTS

<u>Dates</u>	<u>Title</u>	<u>Institution</u>	<u>Department</u>
08/2016-present	Associate Professor	University of South Carolina	Chemistry and Biochemistry
08/2010-08/2016	Assistant Professor	University of South Carolina	Chemistry and Biochemistry

### 3. HONORS AND AWARDS

- Breakthrough Star Award, University of South Carolina System (2014)
- National Science Foundation CAREER Award (2013)
- Honorable Mention Award of IUPAC Prize for Young Chemists – IUPAC (2008)
- Dissertation Award for Outstanding Research in Physical Sciences – Sigma-Xi Society Rice-Texas Medical Center Chapter (2008)
- Graduate Student Award Silver Medal – Materials Research Society (2006)
- Government Award for Outstanding Student Abroad – Ministry of Education of China (2006)
- Robert A. Welch Predoctoral Fellowship – Welch Foundation (2005-2007)
- Outstanding Master Thesis Award – Jiangsu Province, China (2004)
- Pudong Development Bank Award for Scientific Publications – Nanjing University (2004)
- National Award for Outstanding Graduate Student – Ministry of Education of China (2002)
- Rohm-Haas Prize in Chemistry for Best Undergraduate of the Year – Nanjing University (1999)
- People Award – Nanjing University (four time, 1997-2000)

### 4. PUBLICATIONS

\* indicates the corresponding authors.

Thomson ISI's Web of Science citation report as of April 28, 2017:

Total citation: > 5,200; H-index: 36; 17 papers with citations > 100.

## Independent Work at University of South Carolina

1. Sun, L.; Zhang, Q.; Li, G.G.; Villarreal, E.; Fu, X.; **Wang, H.\***, Multifaceted Gold-Palladium Bimetallic Nanorods and Their Geometric, Compositional, and Catalytic Tunabilities. **ACS Nano** 2017, 11 (3), 3213–3228.
2. Li, G. G.; Lin, Y.; **Wang, H.\***, Residual Silver Remarkably Enhances Electrocatalytic Activity and Durability of Dealloyed Gold Nanosponge Particles. **Nano Letters** 2016, 16 (11), 7248–7253.
3. Zheng, T. T.; Li, G. G.; Zhou, F.; Wu, R.; Zhu, J. J.\*; **Wang, H.\***, Gold Nanosponge-Based Multi-Stimuli Responsive Drug Vehicles for Targeted Chemo-Photothermal Therapy. **Advanced Materials** 2016, 28 (37), 8218-8226.
4. Zhang, Q. F.; Han L. L.; Jing, H.; Blom, D. A.; Lin, Y.; Xin, H. L.; **Wang, H.\***, Facet Control of Gold Nanorods. **ACS Nano** 2016, 10 (2), 2960-2974.
5. Zhang, Q. F.; Jing, H.; Li, G. G.; Lin, Y.; Blom, D. A.; **Wang, H.\***, Intertwining Roles of Silver Ions, Surfactants, and Reducing Agents in Gold Nanorod Overgrowth: Pathway Switch between Silver Underpotential Deposition and Gold-Silver Codeposition. **Chemistry of Materials** 2016, 28 (8), 2728-2741.  
---- Top 20 Monthly Most Read Articles in April, 2016.
6. Li, G. G.; Villarreal, E.; Zhang, Q. F.; Zheng, T. T.; Zhu, J. J.; **Wang, H.\***, Controlled Dealloying of Alloy Nanoparticles toward Optimization of Electrocatalysis on Spongy Metallic Nanoframes. **ACS Applied Materials & Interfaces** 2016, 8 (36), 23920-23931.
7. Zhang, Q. F.; Zhou, Y. D.; Villarreal, E.; Lin, Y.; Zou, S. L.; **Wang, H.\***, Faceted Gold Nanorods: Nanocuboids, Convex Nanocuboids, and Concave Nanocuboids. **Nano Letters** 2015, 15 (6), 4161–4169.  
---- Top 20 Monthly Most Read Articles in May and June, 2015.
8. Jing, H.; **Wang, H.\***, Structural Evolution of Ag-Pd Bimetallic Nanoparticles through Controlled Galvanic Replacement: Effects of Mild Reducing Agents. **Chemistry of Materials** 2015, 27 (6), 2172-2180.
9. Jing, H.; Zhang, Q. F.; Large, N.; Yu, C. M.; Blom, D. A.; Nordlander, P.; **Wang, H.\***, Tunable Plasmonic Nanoparticles with Catalytically Active High Index Facets. **Nano Letters** 2014, 14 (6), 3674-3682.  
---- See highlights in: “Opening a wide window on the nano-world of surface catalysis”, University of South Carolina News; “Etched nanoparticles both catalyse and track reactions”, Technology Update, Nanotechweb.org; “Team bridges nanocatalyst size gap for real-time data”, Photonics.com. This work has also been highlighted by ScienceDaily, Physnews.com, and NSF News.
10. Zheng, T. T.; Zhang, Q. F.; Feng, S.; Zhu, J. J.\*; Wang, Q.; **Wang, H.\***, Robust Nonenzymatic Hybrid Nanoelectrocatalysts for Signal Amplification toward Ultrasensitive Electrochemical Cytosensing. **Journal of The American Chemical Society** 2014, 136 (6), 2288-2291.  
---- See highlights in: “Finding a Few Foes among Billions of Cellular Friends”, University of South Carolina News; “New Method of Identifying Cancerous Tumor Cells (CTCs)”, nanotechetc.com.
11. Zhang, Q. F.; **Wang, H.\***, Facet-Dependent Catalytic Activities of Au Nanoparticles Enclosed by High-Index Facets. **ACS Catalysis** 2014, 4 (11), 4027-4033.  
---- Top 20 Monthly Most Read Articles in November, 2014.

12. Zhang, Q. F.; Blom, D. A.; **Wang, H.\***, Nanoporosity-Enhanced Catalysis on Subwavelength Au Nanoparticles: a Plasmon-Enhanced Spectroscopic Study. **Chemistry of Materials** 2014, 26 (17), 5131-5142.
13. Zhang, Q. F.; Large, N.; Nordlander, P.; **Wang, H.\***, Porous Au Nanoparticles with Tunable Plasmon Resonances and Intense Field Enhancements for Single-Particle SERS. **Journal of Physical Chemistry Letters** 2014, 5 (2), 370-374.  
 --- Top 20 Monthly Most Read Articles in February, 2014.
14. Zhang, Q. F.; Large, N.; **Wang, H.\***, Gold Nanoparticles with Tipped Surface Structures as Substrates for Single-Particle Surface-Enhanced Raman Spectroscopy: Concave Nanocubes, Nanotrisoctahedra, and Nanostars. **ACS Applied Materials & Interfaces** 2014, 6 (19), 17255-17267.
15. Jing, H.; Large, N.; Zhang, Q. F.; **Wang, H.\***, Epitaxial Growth of Cu<sub>2</sub>O on Ag Allows for Fine Control Over Particle Geometries and Optical Properties of Ag-Cu<sub>2</sub>O Core-Shell Nanoparticles. **Journal of Physical Chemistry C** 2014, 118 (34), 19948-19963.
16. Jing, H.; **Wang, H.\***, Controlled overgrowth of Pd on Au nanorods. **CrystEngComm** 2014, 16 (40), 9469-9477.  
 ---- Invited contribution to the Themed Issue on Colloidal Self-Assembled Supracrystals and Heterostructures.
17. Zheng, T. T.; Zhang, R.; Zhang, Q. F.; Tan, T. T.; Zhang, K.; Zhu, J. J.\*; **Wang, H.\***, Ultrasensitive Dual-Channel Detection of Matrix Metalloproteinase-2 in Human Serum Using Gold-Quantum Dot Core-Satellite Nanoprobes. **Chemical Communications**. 2013, 49 (72), 7881-7883.  
 ---- Highlighted on the journal cover; Listed as "Hot Papers" in July 2013.
18. Zheng, T. T.; Tan, T. T.; Zhang, Q. F.; Fu, J. J.; Wu, J. J.; Zhang, K.; Zhu, J. J.\*; **Wang, H.\***, Multiplex Acute Leukemia Cytosensing Using Multifunctional Hybrid Electrochemical Nanoprobes at a Hierarchically Nanoarchitected Electrode Interface. **Nanoscale** 2013, 5 (21), 10360-10368.
19. Zheng, T. T.; Fu, J. J.; Hu, L. H.; Qiu, F.; Hu, M. J.; Zhu, J. J.\*; Hua, Z. C.\*; **Wang, H.\***, Nanoarchitected Electrochemical Cytosensors for Selective Detection of Leukemia Cells and Quantitative Evaluation of Death Receptor Expression on Cell Surfaces. **Analytical Chemistry** 2013, 85 (11), 5609-5616.
20. Wei, J. J.; Wang, L. M.; Zhang, X.; Ma, X. J.; **Wang, H.**; Su, Z. H.\*, Coarsening of Silver Nanoparticles in Polyelectrolyte Multilayers. **Langmuir** 2013, 29 (36), 11413-11419.
21. **Wang, H.\***; Musier-Forsyth, K.; Falk, C.; Barbara, P. F., Single-Molecule Spectroscopic Study of Dynamic Nanoscale DNA Bending Behavior of HIV-1 Nucleocapsid Protein. **Journal of Physical Chemistry B** 2013, 117 (16), 4183-4196.
22. Zhang, L.; Jing, H.; Boisvert, G.; He, J. Z.; **Wang, H.\***, Geometry Control and Optical Tunability of Metal-Cuprous Oxide Core-Shell Nanoparticles. **ACS Nano** 2012, 6 (4), 3514-3527.  
 ---- Top 20 Monthly Most Read Articles in May, 2012.
23. Qiu, C.; Zhang, L.; **Wang, H.\***; Jiang, C. Y.\*, Surface-Enhanced Raman Scattering on Hierarchical Porous Cuprous Oxide Nanostructures in Nanoshell and Thin-Film Geometries. **Journal of Physical Chemistry Letters** 2012, 3 (5), 651-657.
24. Zhang, X.; **Wang, H.**; Su, Z. H.\*, Fabrication of Au@Ag Core-Shell Nanoparticles Using Polyelectrolyte Multilayers as Nanoreactors. **Langmuir** 2012, 28 (44), 15705-15712.
25. Zhang, L.; Blom, D. A.; **Wang, H.\***, Au-Cu<sub>2</sub>O Core-Shell Nanoparticles: A Hybrid Metal-Semiconductor Heteronanostructure with Geometrically Tunable Optical Properties. **Chemistry**

of **Materials** 2011, 23 (20), 4587-4598.

---- Top 20 Monthly Most Read Articles in October and November, 2011; Top 20 Yearly Mostly Read Articles in 2012.

26. Zhang, L.; **Wang, H.\***, Interior Structural Tailoring of Cu<sub>2</sub>O Shell-in-Shell Nanostructures through Multistep Ostwald Ripening. **Journal of Physical Chemistry C** 2011, 115 (38), 18479-18485.

---- Highlighted on the journal cover.

27. Zhang, L.; **Wang, H.\***, Cuprous Oxide Nanoshells with Geometrically Tunable Optical Properties. **ACS Nano** 2011, 5 (4), 3257-3267.

#### Postdoctoral Work at University of Texas at Austin

1. **Wang, H.**; Ma, X. J.; Yeh, Y. S.; Zhu, Y. J.; Daugherty, M. D.; Frankel, A. D.; Musier-Forsyth, K.; Barbara, P. F.\*, Comparative Analysis of RNA/Protein Dynamics for the Arginine-Rich-Binding Motif and Zinc-Finger-Binding Motif Proteins Encoded by HIV-1. **Biophysical Journal** 2010, 99 (10), 3454-3462.

2. **Wang, H.**; Yeh, Y. S.; Barbara, P. F.\*, HIV-1 Nucleocapsid Protein Bends Double-Stranded Nucleic Acids. **Journal of The American Chemical Society** 2009, 131 (42), 15534-15543.

#### PH. D. Work at Rice University

1. Zhang, D. M.; Neumann, O.; **Wang, H.**; Yuwono, V. M.; Barhoumi, A.; Perham, M.; Hartgerink, J. D.; Wittung-Stafshede, P.; Halas, N. J.\*, Gold Nanoparticles Can Induce the Formation of Protein-based Aggregates at Physiological pH. **Nano Letters** 2009, 9 (2), 666-671.

2. Bardhan, R.; Neumann, O.; Mirin, N.; **Wang, H.**; Halas, N. J.\*, Au Nanorice Assemble Electrolytically into Mesostars. **ACS Nano** 2009, 3 (2), 266-272.

---- Highlighted on the journal cover.

3. **Wang, H.**; Halas, N. J.\*, Mesoscopic Au "Meatball" particles. **Advanced Materials** 2008, 20 (4), 820-825.

4. Le, F.; Brandl, D. W.; Urzhumov, Y. A.; **Wang, H.**; Kundu, J.; Halas, N. J.; Aizpurua, J.; Nordlander, P.\*, Metallic Nanoparticle Arrays: A Common Substrate for both Surface-Enhanced Raman Scattering and Surface-Enhanced Infrared Absorption. **ACS Nano** 2008, 2 (4), 707-718.

5. **Wang, H.**; Brandl, D. W.; Nordlander, P.; Halas, N. J.\*, Plasmonic Nanostructures: Artificial Molecules. **Accounts of Chemical Research** 2007, 40 (1), 53-62.

6. **Wang, H.**; Kundu, J.; Halas, N. J.\*, Plasmonic Nanoshell Arrays Combine Surface-Enhanced Vibrational Spectroscopies on a Single Substrate. **Angewandte Chemie International Edition** 2007, 46 (47), 9040-9044.

7. Tam, F.; Chen, A. L.; Kundu, J.; **Wang, H.**; Halas, N. J.\*, Mesoscopic Nanoshells: Geometry-Dependent Plasmon Resonances beyond the Quasistatic Limit. **Journal of Chemical Physics** 2007, 127 (20), 204703.

8. Fu, K.; Sun, J. T.; Lin, A. W. H.; **Wang, H.**; Halas, N. J.; Drezek, R. A.\*, Polarized Angular Dependent Light Scattering Properties of Bare and PEGylated Gold Nanoshells. **Current Nanoscience** 2007, 3 (2), 167-170.

9. Bardhan, R.; **Wang, H.**; Tam, F.; Halas, N. J.\*, Facile Chemical Approach to ZnO Submicrometer Particles with Controllable Morphologies. **Langmuir** 2007, 23 (11), 5843-5847.

10. **Wang, H.**; Wu, Y. P.; Lassiter, B.; Nehl, C. L.; Hafner, J. H.; Nordlander, P.; Halas, N. J.\*, Symmetry Breaking in Individual Plasmonic Nanoparticles. **Proceedings of National Academy of Sciences of U.S.A.** 2006, 103 (29), 10856-10860.

11. **Wang, H.**; Halas, N. J.\*, Plasmonic Nanoparticle Heterodimers in a Semiembedded Geometry Fabricated by Stepwise Upright Assembly. **Nano Letters** 2006, 6 (12), 2945-2948.
12. **Wang, H.**; Fu, K.; Drezek, R. A.; Halas, N. J.\*, Light Scattering from Spherical Plasmonic Nanoantennas: Effects of Nanoscale Roughness. **Applied Physics B** 2006, 84 (1-2), 191-195.
13. **Wang, H.**; Brandl, D. W.; Le, F.; Nordlander, P.; Halas, N. J.\*, Nanorice: A Hybrid Plasmonic Nanostructure. **Nano Letters** 2006, 6 (4), 827-832.
14. **Wang, H.**; Levin, C. S.; Halas, N. J.\*, Nanosphere Arrays with Controlled Sub-10-nm Gaps as Surface-Enhanced Raman Spectroscopy Substrates. **Journal of The American Chemical Society** 2005, 127 (43), 14992-14993.
15. **Wang, H.**; Tam, F.; Grady, N. K.; Halas, N. J.\*, Cu Nanoshells: Effects of Interband Transitions on the Nanoparticle Plasmon Resonance. **Journal of Physical Chemistry B** 2005, 109 (39), 18218-18222.
16. **Wang, H.**; Goodrich, G. P.; Tam, F.; Oubre, C.; Nordlander, P.; Halas, N. J.\*, Controlled Texturing Modifies the Surface Topography and Plasmonic Properties of Au Nanoshells. **Journal of Physical Chemistry B** 2005, 109 (22), 11083-11087.

#### **M.S. and B.S. Work at Nanjing University**

1. Xu, S.; **Wang, H.**; Zhu, J. J.\*; Xin, X. Q.; Chen, H. Y., An in situ Template Route for Fabricating Metal Chalcogenide Hollow Spherical Assemblies sonochemically. **European Journal of Inorganic Chemistry** 2004, (23), 4653-4659.
2. **Wang, H.**; Miao, J. J.; Zhu, J. M.; Ma, H. M.; Zhu, J. J.\*; Chen, H. Y., Mesoporous Spherical Aggregates of Anatase Nanocrystals with Wormhole-Like Framework Structures: Their Chemical Fabrication, Characterization, and Photocatalytic Performance. **Langmuir** 2004, 20 (26), 11738-11747.
3. **Wang, H.**; Zhu, J. J.\*, A Sonochemical Method for the Selective Synthesis of a-HgS and b-HgS Nanoparticles. **Ultrasonic Sonochemistry** 2004, 11 (5), 293-300.
4. Zhu, J. J.\*; Xu, S.; **Wang, H.**; Zhu, J. M.; Chen, H. Y., Sonochemical Synthesis of CdSe Hollow Spherical Assemblies via an in-situ Template Route. **Advanced Materials** 2003, 15 (2), 156-159.
5. Xu, J. Z.; Zhu, J. J.\*; **Wang, H.**; Chen, H. Y., Nano-Sized Copper Oxide Modified Carbon Paste Electrodes as an Amperometric Sensor for Amikacin. **Analytical Letters** 2003, 36 (13), 2723-2733.
6. **Wang, H.**; Zhu, J. M.; Zhu, J. J.\*; Yuan, L. M.; Chen, H. Y., Novel Microwave-Assisted Solution-Phase Approach to Radial Arrays Composed of Prismatic Antimony Trisulfide Whiskers. **Langmuir** 2003, 19 (26), 10993-10996.
7. **Wang, H.**; Lu, Y. N.; Zhu, J. J.\*; Chen, H. Y., Sonochemical Fabrication and Characterization of Stibnite Nanorods. **Inorganic Chemistry** 2003, 42 (20), 6404-6411.
8. Zhu, J. J.\*; **Wang, H.**; Zhu, J. M.; Wang, J., A Rapid Synthesis Route for the Preparation of CdS Nanoribbons by Microwave Irradiation. **Materials Science & Engineering B** 2002, 94 (2-3), 136-140.
9. Zhu, J. J.\*; **Wang, H.**; Xu, S.; Chen, H. Y., Sonochemical Method for the Preparation of Monodisperse Spherical and Rectangular Lead Selenide Nanoparticles. **Langmuir** 2002, 18 (8), 3306-3310.
10. Xu, S.; **Wang, H.**; Zhu, J. J.\*; Chen, H. Y., Sonochemical Synthesis of Copper Selenides Nanocrystals with Different Phases. **Journal of Crystal Growth** 2002, 234 (1), 263-266.

11. **Wang, H.**; Zhu, J. J.\*; Zhu, J. M.; Liao, X. H.; Xu, S.; Ding, T.; Chen, H. Y., Preparation of Nanocrystalline Ceria Particles by Sonochemical and Microwave Assisted Heating Methods. **PhysChemChemPhys**. 2002, 4 (15), 3794-3799.
12. **Wang, H.**; Zhu, J. J.\*; Zhu, J. M.; Chen, H. Y., Sonochemical Method for the Preparation of Bismuth Sulfide Nanorods. **Journal of Physical Chemistry B** 2002, 106 (15), 3848-3854.
13. **Wang, H.**; Zhu, J. J.\*; Chen, H. Y., Sonochemical Synthesis of Antimony Trisulfide Nanowhiskers. **Chemistry Letters** 2002, (12), 1242-1243.
14. **Wang, H.**; Zhang, J. R.; Zhu, J. J.\*, Sonochemical Preparation of Lead Sulfide Nanocrystals in an Oil-In-Water Microemulsion. **Journal of Crystal Growth** 2002, 246 (1-2), 161-168.
15. **Wang, H.**; Zhang, H. R.; Zhao, X. N.; Xu, S.; Zhu, J. J.\*, Preparation of Copper Monosulfide and Nickel Monosulfide Nanoparticles by Sonochemical Method. **Materials Letters** 2002, 55 (4), 253-258.
16. **Wang, H.**; Xu, J. Z.; Zhu, J. J.\*; Chen, H. Y., Preparation of CuO Nanoparticles by Microwave Irradiation. **Journal of Crystal Growth** 2002, 244 (1), 88-94.
17. **Wang, H.**; Shu, X.; Zhao, X. N.; Zhu, J. J.\*; Xin, X. Q., Sonochemical Synthesis of Size-Controlled Mercury Selenide Nanoparticles. **Materials Science & Engineering B** 2002, 96 (1), 60-64.
18. Ding, T.; **Wang, H.**; Xu, S.; Zhu, J. J.\*, Sonochemical Synthesis and Characterizations of Monodispersed PbSe Nanocrystals in Polymer Solvent. **Journal of Crystal Growth** 2002, 235 (1-4), 517-522.
19. **Wang, H.**; Zhang, H. R.; Zhu, J. J.\*, A Microwave Assisted Heating Method for the Rapid Synthesis of Sphalrite-Type Mercury Sulfide Nanocrystals with Different Sizes. **Journal of Crystal Growth** 2001, 233 (4), 829-836.
20. Liao, X. H.; **Wang, H.**; Zhu, J. J.\*; Chen, H. Y., Preparation of Bi<sub>2</sub>S<sub>3</sub> Nanorods by Microwave Irradiation. **Materials Research Bulletin** 2001, 36 (13-14), 2339-2346.

## 5. SYNERGISTIC ACTIVITIES

- Course Development and Teaching –
  - CHEM 545: Physical Biochemistry
  - CHEM 747: Spectroscopies and Molecular Structures
  - CHEM 111: General Chemistry
  - CHEM 749: Single-Molecule Approaches to Biophysical Chemistry
- Editorial Board: AIMS Materials Science
- Peer Review Service –
  - Journals: J. Am. Chem. Soc., Nano Lett., ACS Nano, Chem. Mater., J. Phys. Chem. Lett., J. Phys. Chem., ACS Catalysis, ACS Photonics, ACS Appl. Mater. Inter., ACS Comb. Sci., Langmuir, Indust. Eng. Chem. Res., Angew. Chem., Adv. Mater., Small, Nano Res., Sci. Rep., Phys. Chem. Chem. Phys., Nanoscale, Chem. Commun., J. Mater. Chem., RSC Advance, Electrochem. Commun., Chem. Phys. Lett., J. Quant. Spec. Rad. Trans., Nano Energy, Opt. Express, Chem. Asian J., J. Alloy. Comp., Opt. Commun., Carbon, J. Electroanal. Chem., IEEE J. Select. Topics Quantum Electron., Sensors, Colloid. Surf. B, Materials, Virus Research, Applied Surface Science, and Curr. Nanosci..
  - Proposals: NSF, DOE, NSF EPSCoR-Mississippi, NSF EPSCoR-South Carolina, ACS-Petroleum Research Funds, American Association for the Advancement of Science, Murdock Charitable Trusts,

Research Grants Council of Hong Kong, Netherlands Foundation for Fundamental Research on Matter, Research Foundation-Flanders (Belgium), ASPIRE program (USC Office of the Vice President for Research), Magellan Scholars Program (USC Office for Undergraduate Research).

- Symposium Organizer: Symposium on Structure-Property Relationships of Nanoscale Materials, The 68th Southeastern Regional Meeting of the American Chemical Society (SERMACS), Columbia, SC, Oct. 23-26, 2016.
- Conference Committee Member: International Association of Advanced Materials Baltic Conference Series, 08 -11 October, 2017, Sweden.
- Participating faculty of Integrated Biomedical Graduate Program.
- Participating faculty of ACS SEED Program (Summer research program for high school students).
- Participating faculty of the Governor's School of Science and Mathematics Summer Research Program.
- Membership - American Chemical Society, Materials Research Society, Biophysical Society

## 6. COLLABORATORS AND OTHER AFFILIATIONS

### Recent Collaborators:

Karin Musier-Forsyth (Ohio State Univ.), Scott Misture (Alfred Univ.), Simon Phillpot (Univ. Florida), Peter Nordlander (Rice Univ.), Shengli Zou (Univ. Central Florida), Robert Gorelick (SAIC-Frederick), Qian Wang (Univ. South Carolina), Chaoyang Jiang (Univ. South Dakota), Zhaohui Su (CIAC, CAS), Jun-Jie Zhu (Nanjing Univ.), Zi-Chun Hua (Nanjing Univ.)

### Graduate and Postdoctoral Advisors:

Ph.D. - Naomi J. Halas (Rice University)

Postdoc - Paul F. Barbara (University of Texas at Austin, passed away on Oct. 31, 2010)

### Students and Postdocs Supervised:

Postdoctoral scholars (2): Li Zhang (Ph.D., City College of New York), Yihong Zhan (Ph.D., Purdue)

Visiting scholars (3): Xiaoqi Fu (Visiting from Jiangsu Univ., China), Shiru Le (Visiting from Harbing Institute of Technology, China), Chunmei Yu (visiting from Nantong Univ., China)

Graduate students (7): Hao Jing, Qingfeng Zhang, Lichao Sun, Guangfang Grace Li, Esteban Villarreal, Tingting Zheng (visiting from Nanjing Univ.), Mengqi Will Sun.

Undergraduate students (4): John Z. He (Chemistry, USC), Geoffrey Boisvert (Biochemistry, USC), Arjun Majumdar (Chemistry, USC), Olajumoke Ogunyemi (Biochem, Benedict College)

High school students (4): Paul Shim (Lexington), Eboni Drake (Spring Valley), Sarah Lee (Spring Valley), Zachary Scott (Governor's School of Science and Mathematics).