

**Name: Qiuli Liu (刘秋丽)**

**Current Position/Title: Sr. Application Scientist**

**Current Company/Department: PerkinElmer**

**Current Address: 1670 Zhangheng Rd, Pudong Distr., Shanghai 201203, PRC**

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**Professional Preparation:**

Institution	Major/Area	Degree & Year
Dalian University of Technology	Chemical Engineering	Bachelor, 2011
University of South Carolina	Chemical Engineering	PhD, 2017

**Professional Experience/Appointments**

Years	Company/Department, Institution
2017-current	PerkinElmer

**Publications and Presentations:**

- List up to 10 recent significant publications to be featured in two page CV, the rest will be included in website profile/full CV records

- Preferably using the style of the American Chemical Society for reference lists.

Ten significant publications
Wong, A.P.; Liu Q.; Griffin S.; Nicholls, A.; Regalbuto, J. R. Science , 23 Nov 2017:eaa06538
Elkasabi,Y.; Liu, Q.; Choi, Y.S. et al. Fuel 2017, 207, 510-521
Chung, S.; Liu, Q.; Joshi, U. A. et al. J. Porous Mater., 2018, 25: 407.
Banerjee, R., Liu, Q., Tengco, J.M.M. et al. Catal Lett., 2017, 147: 1754.
Liu Q.; Samad, J. E.; Eskandari, S. et al. Catal. Today, 2017, 280, 246-252
Regalbuto, J. R. ; Almalki, F. A.; Liu, Q. et al. Hydrocarbon Fuels from Lignocellulose, 2017, pp 127-159
Liu Q.; Joshi, U. A.; Uber, K.; Regalbuto, J. R. Phys. Chem. Chem. Phys., 2014,16, 26431-26435
Zhou, F.; Tien, H. N.; Xu, W. L.; Chen, J-T.; Liu Q. et al. Nature Commun., 8 (1), 2107
Xu, W. L.; Fang, C.; Zhou, F.; Song, Z.; Liu, Q. et al. Nano Letters 2017 17 (5), 2928-2933

**Presentations**

1. 'Rational synthesis and evaluation of Pd bimetallic catalysts for furfural conversion', speaker, at 2016 AIChE Annual Meeting in San Francisco, USA, Nov 2016

2. 'Rational synthesis and evaluation of Pd bimetallic catalysts for furfural rearrangement to cyclopentanone in aqueous phase', speaker, at 15th Southeastern Catalysis Society Annual Meeting in Ashville, USA, Sep 2016
3. 'Powder XRD deconvolution of crystalline support from metal nanoparticles with high sensitivity silicon slit detector', presenter, at 16th International Congress on Catalysis in Beijing, China, July 2016
4. 'A softer chemical approach to metal particle size control', presenter, at 14th Annual Fall Symposium of Southeastern Catalysis Society in Clemson, South Carolina, September 2015
5. 'Strong electrostatic adsorption synthesis and evaluation of pyrolysis oil hydrodeoxygenation catalysts on hydrothermally stable supports', presenter, at 24th North American Catalysis Society Meeting in Pittsburgh, Pennsylvania, June, 2015
6. 'Rational synthesis of pyrolysis oil HDO catalysts on hydrothermally stable supports', speaker, at Eastman Chemical Company in Kingsport, Tennessee, December 2014.
7. 'Rational synthesis of pyrolysis oil HDO catalysts on hydrothermally stable supports', speaker, at 248th American Chemical Society National Meeting and Exposition in San Francisco, California, August, 2014.
8. 'Synthesis of well dispersed Ru and Pt catalysts for pyrolysis oil upgrading and their catalytic evaluation', speaker, at Southeastern Catalysis Society meeting in Asheville, North Carolina, October, 2013.

**Synergistic Activities:**

- List collaborative projects, leadership positions in organizing events, or significant work that involve interaction with members of a team

<b>Postgraduate Research Projects</b>
- List all of your graduate/postdoc research projects here
1. Distributed On-Farm Bioenergy, Biofuels and Biochemicals (FarmBio3): Development and Production via Integrated Catalytic Thermolysis, founded by USDA-NIFA
2. Synthesis of hydrothermally stable catalysts for aqueous reactions
3. Metal particle size control and determination
4. Rational Synthesis of mono- and bi-metallic nanoparticles

**Collaborators and Other Affiliations**

<b>Collaborators from USC</b>
Dr. Zhuonan Song Dr. Weiwei Xu Dr. Miao Yu
<b>Collaborators Outside USC (indicate institution)</b>
USDA Villanova University University of Maine University of Delaware
<b>Graduate and Postdoctoral Advisors</b>

- List all of your previous advisors and indicate institution
Prof. John R. Regalbuto - University of South Carolina - Center of Catalysis for Renewable Fuels (CReF) - Center for Rational Catalyst Synthesis (CERCAS)
<b>Thesis Advisor and Postgraduate Sponsor</b> - If you are in an academic position, list postdocs you've mentored, as well as graduate students. Indicate when they have earned or if they are working towards a degree. Also indicate most recent employment of former students/postdocs.
N/A