

Name: Wu, Yi

Job Title: Assistant-Scholar Scientist Engineer

Professional Address: 4111 Libra Dr., PS-430, Physics Department
University of Central Florida, Orlando, FL, 32816 United States

Email address: yiwu@ucf.edu

(a) Professional Preparation:

ORGANIZATION AND LOCATION	DEGREE (if applicable)	DATE RECEIVED	FIELD OF STUDY
University of Central Florida, Orlando, FL, United States	Postdoctoral Fellow	2014 - 2016	Laser
University of Central Florida, Orlando, FL, United States	PHD	12/2013	Optics
Kansas State University, Manhattan, KS, United States	N/A	07/2010	Physics
University of Science and Technology of China, Hefei, Anhui, China	BS	06/2006	Physics

(b) Appointments and Positions

2017 - present Assistant-Scholar Scientist Engineer, University of Central Florida, Orlando, FL,
United States

(c) Products

Products Most Closely Related to my field

1. Zhou F, Wu Y, Marra A, Chang Z. Efficient generation of femtosecond millijoule pulses at 3.1 μm . Optics Letters. 2022 November 15; 47(23):6057-. Available from: <https://opg.optica.org/abstract.cfm?URI=ol-47-23-6057> DOI: 10.1364/OL.474741
2. Wu Y, Zhou F, Larsen E, Zhuang F, Yin Y, Chang Z. Generation of few-cycle multi-millijoule 2.5 μm pulses from a single-stage $\text{Cr}^{2+}:\text{ZnSe}$ amplifier. Scientific Reports. 2020 May 08; 10(1):- . Available from: <https://www.nature.com/articles/s41598-020-64330-8> DOI: 10.1038/s41598-020-64330-8
3. Li J, Chew A, Hu S, White J, Ren X, Han S, Yin Y, Wang Y, Wu Y, Chang Z. Double optical gating for generating high flux isolated attosecond pulses in the soft X-ray regime. Optics Express. 2019 October 04; 27(21):30280-. Available from: <https://opg.optica.org/abstract.cfm?URI=oe-27-21-30280> DOI: 10.1364/OE.27.030280
4. Cunningham E, Wu Y, Chang Z. Carrier-envelope phase control of a 10 Hz, 25 TW laser for high-flux extreme ultraviolet quasi-continuum generation. Applied Physics Letters. 2015 November 16; 107(20):201108-. Available from:

<http://aip.scitation.org/doi/10.1063/1.4936156> DOI: 10.1063/1.4936156

5. Wu Y, Cunningham E, Zang H, Li J, Chini M, Wang X, Wang Y, Zhao K, Chang Z. Generation of high-flux attosecond extreme ultraviolet continuum with a 10 TW laser. *Applied Physics Letters*. 2013 May 20; 102(20):201104-. Available from: <http://aip.scitation.org/doi/10.1063/1.4807395> DOI: 10.1063/1.4807395

Other Significant Products.

1. Zhou F, Cintron A, Wu Y, Chang Z. Enhancement of gain and efficiency of an Ho:YLF energy booster through deep thermoelectric cooling. *Optics Continuum*. 2022 April 25; 1(5):1060-. Available from: <https://opg.optica.org/abstract.cfm?URI=optcon-1-5-1060> DOI: 10.1364/OPTCON.456612
2. Beetar J, Nrisimhamurty M, Truong T, Nagar G, Liu Y, Nesper J, Suarez O, Rivas F, Wu Y, Shim B, Chini M. Multioctave supercontinuum generation and frequency conversion based on rotational nonlinearity. *Science Advances*. 2020 August 21; 6(34):- . Available from: <https://www.science.org/doi/10.1126/sciadv.abb5375> DOI: 10.1126/sciadv.abb5375
3. Li J, Ren X, Yin Y, Zhao K, Chew A, Cheng Y, Cunningham E, Wang Y, Hu S, Wu Y, Chini M, Chang Z. 53-attosecond X-ray pulses reach the carbon K-edge. *Nature Communications*. 2017 August 04; 8(1):- . Available from: <https://www.nature.com/articles/s41467-017-00321-0> DOI: 10.1038/s41467-017-00321-0
4. Zhao K, Zhang Q, Chini M, Wu Y, Wang X, Chang Z. Tailoring a 67 attosecond pulse through advantageous phase-mismatch. *Optics Letters*. 2012 September 14; 37(18):3891-. Available from: <https://opg.optica.org/abstract.cfm?URI=ol-37-18-3891> DOI: 10.1364/OL.37.003891
5. Feng X, Gilbertson S, Mashiko H, Wang H, Khan S, Chini M, Wu Y, Zhao K, Chang Z. Generation of Isolated Attosecond Pulses with 20 to 28 Femtosecond Lasers. *Physical Review Letters*. 2009 October 26; 103(18):- . Available from: <https://link.aps.org/doi/10.1103/PhysRevLett.103.183901> DOI: 10.1103/PhysRevLett.103.183901

(d) Graduate teaching experience

N/A

(e) Graduate students mentored

Fangjie Zhou, Chase Geiger, Alphonse Marra

(f) Other synergistic activities related to Graduate Education

N/A