

Curriculum Vitae of Jiangyang You

Date of Birth: April 2, 1980
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Division of Physical Chemistry
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Current position

May 2017 - present Research associate (znanstveni suradnik), Laboratory of
Magnetic Resonance, Division of Physical Chemistry,
Institute Ruđer Bošković, Zagreb, Croatia.

Research interests

Field theoretical techniques in contemporary quantum physics.

Education

Sept. 2008 Ph.D. in Physics, Jacobs University Bremen.
Thesis supervisor: Prof. Dr. Peter Schupp.
Sept. 2004 - Sept. 2008 Ph.D. Student,
Jacobs University Bremen, Germany.
Mar. 2004 M.Sc. in Physics, University Heidelberg, Germany.
Sept. 2001 - Mar. 2004 Graduate Student, Department of Physics and
Astronomy, University Heidelberg, Germany.
July 2001 Bachelor degree in Physics, Peking University.
Sept. 1997 - July 2001 Undergraduate Student, Department of Physics,
Peking University, Beijing, China.

Research experiences

Sept. 2016	Promoted to research associate (znanstveni suradnik ~assistant professor), Institute Ruđer Bošković, Zagreb, Croatia.
Mar. 2016 - May 2017	Postdoc sponsored by the Croatian Science Foundation (HRZZ), Theoretical and Mathematical Physics Group, Division of Theoretical Physics, Institute Ruđer Bošković, Zagreb, Croatia.
Jan. 2012 - Jan. 2016	Viši asistent, Division of Theoretical Physics, Institute Ruđer Bošković, Zagreb, Croatia.
Jan. 2011 - Jan. 2012	Postdoc sponsored by the HRZZ “Brain gain” PostDoc Grant contract No. I-4321-2010, Division of Theoretical Physics, Institute Ruđer Bošković, Zagreb, Croatia.
Mar. 2009 - June 2009	Junior research fellow, Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria.
Oct. 2008 - Dec. 2008	Postdoc, Mathematisches Institute Göttingen, Germany.

Grants

Spet. 2004 - Aug. 2008	Graduated/Ph. D. Student Fellowship, Jacobs University Bremen, Germany.
Mar. 2009 - June 2009	Junior Research Fellowship, Erwin Schrödinger Institute for Mathematical Physics, Vienna, Austria.
Jan. 2011 - Jan. 2012	HRZZ “Brain gain” PostDoc Grant (contract No. I-4321-2010). Division of Theoretical Physics, Institute Ruđer Bošković, Croatia.

Publications

Publications with peer review process

1. R. C. Helling and J. You, *Macroscopic screening of Coulomb potentials from UV/IR- Mixing*, *JHEP* **0806** (2008) 067, [0707.1885].
2. P. Schupp and J. You, *UV/IR mixing in noncommutative QED defined by Seiberg-Witten map*, *JHEP* **0808** (2008) 107, [0807.4886].
3. R. Horvat, D. Kekez, P. Schupp, J. Trampetic, and J. You, *Photon-neutrino interaction in θ -exact covariant noncommutative field theory*, *Phys. Rev.* **D84** (2011) 045004, [1103.3383].
4. R. Horvat, A. Ilakovac, J. Trampetic, and J. You, *On UV/IR mixing in noncommutative gauge field theories*, *JHEP* **12** (2011) 081, [1109.2485].

5. R. Horvat, A. Ilakovac, P. Schupp, J. Trampetic, and J. You, *Yukawa couplings and seesaw neutrino masses in noncommutative gauge theory*, *Phys. Lett.* **B715** (2012) 340, [1109.3085].
6. R. Horvat, A. Ilakovac, P. Schupp, J. Trampetic, and J. You, *Neutrino propagation in noncommutative spacetimes*, *JHEP* **1204** (2012), 108, [1111.4951].
7. R. Horvat, A. Ilakovac, D. Kekez, J. Trampetic, and J. You, *Forbidden and Invisible Z Boson Decays in Covariant theta-exact Noncommutative Standard Model*, *J. Phys. G: Nucl. Part. Phys.* **41** (2014) 055007, [1204.6201].
8. R. Horvat, A. Ilakovac, J. Trampetic, and J. You, *Self-energies on deformed spacetimes*, *JHEP* **1311** (2013), 071, [1306.1239].
9. J. Trampetic, and J. You, *Two-Point Functions on Deformed Spacetime*, *SIGMA* **10** (2014) 054, [1402.6184].
10. J. Trampetic, and J. You, *The theta-exact Seiberg-Witten maps at the e^3 order*, *Phys. Rev.* **D91** (2015) 125027, [1501.00276].
11. R. Horvat, J. Trampetic, and J. You, *Photon self-interaction on deformed spacetime*, *Phys. Rev.* **D92** (2015) 125006, [1510.08691].
12. C. P. Martin, J. Trampetic, and J. You, *Super Yang-Mills and theta-exact Seiberg-Witten map: Absence of quadratic noncommutative IR divergences*, submitted to *Journal of High Energy Physics (JHEP)* **1605** (2016), 169, [1602.01333].
13. C. P. Martin, J. Trampetic, and J. You, *Equivalence of quantum field theories related by the θ -exact Seiberg-Witten map*, *Phys. Rev.* **D94** (2016) 041703R, [1606.03312].
14. C. P. Martin, J. Trampetic, and J. You, *Quantum duality under the θ -exact Seiberg-Witten map*, submitted to *Journal of High Energy Physics (JHEP)* **1609** (2016), 052, [1607.01541].
15. R. Horvat, J. Trampetic, and J. You, *Spacetime Deformation Effect on the Early Universe and the PTOLEMY Experiment*, *Phys. Lett.* **B772** (2017) 130, [1703.04800].
16. S. Meljanac, S. Mignemi, J. Trampetic, and J. You, *Nonassociative Snyder ϕ^4 Quantum Field Theory*, *Phys. Rev.* **D96** (2017) 045021, [1703.10851].

Conference proceeding(s)

1. R. Horvat, J. Trampetic, and J. You, *Photon polarization tensor on deformed spacetime: A four-photon-tadpole contribution*, *PoS CORFU 2015* (2016) 121, [1703.10581].

Teaching Experiences

- Winter semester 2012 Teaching assistant, “Introduction to Supersymmetry”,
Faculty of Science, University of Zagreb, Croatia.
- Winter semester 2013 Guest lecturer, “Introduction to Supersymmetry”,
Faculty of Science, University of Zagreb, Croatia.
- Winter semester 2014 Guest lecturer, “Introduction to Supersymmetry”,
Faculty of Science, University of Zagreb, Croatia.