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Education

2012.4 - 2015.3 Doctor of Science
Division of Materials Physics, Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University
Supervisor: Prof. Hiroshi Kohno

2010.4 - 2012.3 Master of Engineering
Division of Materials Physics, Department of Materials Engineering Science, Graduate School of Engineering Science, Osaka University
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Employment

2017.4 - 2019.3 Visiting researcher, Center for Emergent Matter Science, RIKEN
Affiliation: Spin Physics Theory Research Team organized by Dr. Gen Tatara

2015.4 - 2019.3 Postdoctoral fellow, Institute for Chemical Research, Kyoto University
Affiliation: Laboratory of Nano Spintronics organized by Prof. Dr. Teruo Ono

2013.4 - 2015.3 JSPS Research Fellowship for Young Scientists (DC2)

Publications

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1. “Nonlocal spin-charge conversion via Rashba spin-orbit interaction”, [Junji Fujimoto](#), and Gen Tatara, Phys. Rev. B **99**, 054407 (2019).
2. “Transport coefficients of Dirac ferromagnet: Effects of vertex corrections”, [Junji Fujimoto](#), Phys. Rev. B **97**, 104421 (2018).
3. “Intrinsic and Extrinsic Spin Hall Effects of Dirac Electrons”, Takaaki Fukazawa, Hiroshi Kohno, and [Junji Fujimoto](#), J. Phys. Soc. Jpn. **86**, 094704 (2017).
4. “Strong Bias Effect on Voltage-Driven Torque at Epitaxial Fe-MgO Interface”, Shinji Miwa, [Junji Fujimoto](#), Philipp Risius, Kohei Nawaoka, Minoru Goto, and Yoshishige Suzuki, Phys. Rev. X **7**, 031018 (2017).
5. “Transport properties of Dirac ferromagnet”, [Junji Fujimoto](#) and Hiroshi Kohno, Phys. Rev. B **90**, 214418 (2014).

6. “*Ultraviolet divergence and Ward-Takahashi identity in a two-dimensional Dirac electron system with short-range impurities*”,
Junji Fujimoto, Akio Sakai, and Hiroshi Kohno, Phys. Rev. B **87**, 085437 (2013).
7. “*Dirac Liquid Theory: 2nd Order Perturbation Approach*”,
Junji Fujimoto, Yuki Fuseya, and Kazumasa Miyake, J. Phys. Soc. Jpn. Suppl. **81**, SB042 (2012).

Grants

2013 - 2015 Grant-in-Aid for JSPS Fellows ¥1,100,000 per year (for two years)

References

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