

LIST OF PUBLICATIONS

CREST "Electronic quantum phase control in nano-scale spin structures"
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FY : 2019

1. Adrien Bolens and Naoto Nagaosa, "Topological states on the breathing kagome lattice", Phys. Rev. B 99, 165141-1-7 (2019)
DOI : [10.1103/PhysRevB.99.165141](https://doi.org/10.1103/PhysRevB.99.165141)
2. Nagaosa Naoto, "Emergent electromagnetism in condensed matter", PROC JPN ACAD SER B PHYS BIOL SCI, 95, 278-289 (2019)
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3. D. Okuyama, M. Bleuel, J. S. White, Q. Ye, J. Krzywon, G. Nagy, Z. Q. Im, I. Živković, M. Bartkowiak, H. M. Rønnow, S. Hoshino, J. Iwasaki, N. Nagaosa, A. Kikkawa, Y. Taguchi, Y. Tokura, D. Higashi, J. D. Reim, Y. Nambu & T. J. Sato, "Deformation of the moving magnetic skyrmion lattice in MnSi under electric current flow", Communications Physics, 2, 79 (2019)
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4. L. M. Cangemi, A. S. Mishchenko, N. Nagaosa, V. Cataudella, and G. De Filippis, Topological Quantum Transition Driven by Charge-Phonon Coupling in the Haldane Chern Insulator", Phys. Rev. Lett. 123, 046401 (2019)
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7. Y. Avishai, K. Totsuka, and N. Nagaosa, "Non-Abelian Aharonov-Casher Phase Factor in Mesoscopic Systems", JOURNAL OF THE PHYSICAL SOCIETY OF JAPAN, 88, 084705-1-17 (2019)
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8. Yang Zhang, Tobias Holder, Hiroaki Ishizuka, Fernando de Juan, Naoto Nagaosa, Claudia Felser & Binghai Yan, "Switchable magnetic bulk photovoltaic effect in the two-dimensional magnet CrI₃", Nature Communications, 10, 3783 (2019)
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9. Takuro Sato, Wataru Koshibae, Akiko Kikkawa, Tomoyuki Yokouchi, Hiroshi Oike, Yasujiro Taguchi, Naoto Nagaosa, Yoshinori Tokura, and Fumitaka Kagawa, "Slow steady flow of a skyrmion lattice in a confined geometry probed by narrow-band resistance noise" Phys. Rev. B 100, 094410 (2019)
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10. K. Ueda, R. Kaneko, A. Subedi, M. Minola, B. J. Kim, J. Fujioka, Y. Tokura, and B. Keimer, "Phonon anomalies in pyrochlore iridates studied by Raman spectroscopy", Phys. Rev. B 100, 115157 (2019)
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11. Daichi Kurebayashi and Naoto Nagaosa, "Theory of current-driven dynamics of spin textures on the surface of a topological insulator", Phys. Rev. B 100, 134407-1-7 (2019)
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13. H. Ishizuka, N. Nagaosa, "Tilting dependence and anisotropy of anomaly-related magnetoconductance in type-II Weyl semimetals", SCIENTIFIC REPORTS, 9, 16149-1-8 (2019)
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22. Takahiro Morimoto and Naoto Nagaosa, "Shift current from electromagnon excitations in multiferroics", Phys. Rev. B 100, 235138-1-7(2019)
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27. S.Kitamura, N. Nagaosa, T. Morimoto, "Nonreciprocal Landau-Zener tunneling", COMMUNICATIONS PHYSICS COMMUNICATIONS PHYSICS, 3, 63-1-8 (2020)
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28. Park Sungjoon, Nagaosa Naoto,Yang Bohm-Jung, "Thermal Hall Effect, Spin Nernst Effect, and Spin Density Induced by a Thermal Gradient in Collinear Ferrimagnets from Magnon-Phonon Interaction", NANO LETTERS, 20, 2741-2746 (2020)
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29. Akihiko Sekine and Naoto Nagaosa, "Quantum kinetic theory of thermoelectric and thermal transport in a magnetic field", Phys. Rev. B 101, 155204-1-17 (2020)
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