

DAFTAR PUSTAKA

- Absor, M.A.U., Ishii, F., 2023, Highly Persisting Spin Textures With Purely Cubic Spin Splitting In Two-Dimensional Materials, *11th International Conference On Materials and Advanced Technology*.
- Atkins, B.P.W., Child, M.S., and Phillips, C.S.G., 2006, Tables for Group Theory, *OXFORD Higher Education*, p. 1–39.
- Baibich, M.N., et al., 1988, Giant magnetoresistance of (001)Fe/(001)Cr magnetic superlattices, *Physical Review Letters*, 21, 61, p. 2472–2475.
- Birch, F., 1947, Finite Elastic Strain of Cubic Crystals, *Physical Review*, 11, 71, p. 809–824.
- Born, M., and Oppenheimer, R., 1927, Zur Quantentheorie der Molekeln, *Annalen der Physik*, 20, 389, p. 457–484.
- Bowen, M., et al., 2001, Large magnetoresistance in Fe/MgO/FeCo(001) epitaxial tunnel junctions on GaAs(001), *Applied Physics Letters*, 11, 79, p. 1655–1657.
- Chen, J., et al., 2021, Spin–Orbit Coupling in 2D Semiconductors: A Theoretical Perspective, *Journal of Physical Chemistry Letters*, 51, 12, p. 12256–12268.
- Chenet, D.A., et al., 2015, In-Plane Anisotropy in Mono- and Few-Layer ReS₂ Probed by Raman Spectroscopy and Scanning Transmission Electron Microscopy, *Nano Letters*, 9, 15, p. 5667–5672.
- Dresselhaus, G., 1955, Spin-Orbit Coupling Effects in Zinc Blende Structures, *Physical Review*, 2, 100, p. 580–586.
- Echeverry, J.P., and Gerber, I.C., 2018, Theoretical investigations of the anisotropic optical properties of distorted 1T ReS₂ and ReSe₂ monolayers, bilayers, and

in the bulk limit, *Physical Review B*, 7, 97, p. 1–10.

Fullerton, E.E., and Childress, J.R., 2016, Spintronics, Magnetoresistive Heads, and the Emergence of the Digital World, *Proceedings of the IEEE*, 10, 104, p. 1787–1795.

Griffiths, 1995, Introduction to Quantum Mechanics. *Pearson Education. Inc*, p. 171.

Han, S.A., Bhatia, R., and Kim, S.W., 2015, Synthesis, properties and potential applications of two-dimensional transition metal dichalcogenides, *Nano Convergence*, 1, 2.

He, R., et al., 2016, Coupling and Stacking Order of ReS₂ Atomic Layers Revealed by Ultralow-Frequency Raman Spectroscopy, *Nano Letters*, 2, 16, p. 1404–1409.

Henkelman, G., and Jónsson, H., 2000, Improved tangent estimate in the nudged elastic band method for finding minimum energy paths and saddle points, *Journal of Chemical Physics*, 22, 113, p. 9978–9985.

Hirsch, J.E., 1999, Spin Hall Effect, *Physical Review Letters*, 9, 83, p. 1834–1837.

Hohenberg, P., and Kohn, W., 1964, Inhomogeneous Electron Gas, *Physical Review*, 3B, 136, p. B864–B871.

Horzum, S., et al., 2014, Formation and stability of point defects in monolayer rhenium disulfide, *Physical Review B - Condensed Matter and Materials Physics*, 15, 89, p. 1–7.

Jackson, J.D., 1999, Classical Electrodynamics. *John Wiley & Sons, Inc*.

Kato, Y.K., et al., 2004, Observation of the spin hall effect in semiconductors, *Science*, 5703, 306, p. 1910–1913.

Kohn, W., and Sham, L.J., 1965, Self-Consistent Equations Including Exchange and Correlation Effects, *Physical Review*, 4A, 140, p. A1133–A1138.

- Kotaka, H., Ishii, F., and Saito, M., 2013, Rashba effect on the structure of the bi one-bilayer film: Fully relativistic first-principles calculation, *Japanese Journal of Applied Physics*, 3 PART 1, 52.
- Lamfers, H.J., et al., 1996, The crystal structure of some rhenium and technetium dichalcogenides, *Journal of Alloys and Compounds*, 1–2, 241, p. 34–39.
- Levy, P.M., Zhang, S., and Fert, A., 1990, Electrical conductivity of magnetic multilayered structures, *Physical Review Letters*, 13, 65, p. 1643–1646.
- Li, D., et al., 2021, Giant Transport Anisotropy in Revealed via Nanoscale Conducting-Path Control, *Physical Review Letters*, 13, 127, p. 136803.
- Li, L., and Wu, M., 2017, Binary Compound Bilayer and Multilayer with Vertical Polarizations: Two-Dimensional Ferroelectrics, Multiferroics, and Nanogenerators, *ACS Nano*, 6, 11, p. 6382–6388.
- Liu, G. Bin, et al., 2013, Three-band tight-binding model for monolayers of group-VIB transition metal dichalcogenides, *Physical Review B - Condensed Matter and Materials Physics*, 8, 88, p. 1–10.
- Moore, G.E., 1965, Cramming more components onto integrated circuits With unit cost, *Electronics*, 8, 38, p. 114.
- Ozaki, T., 2003, Variationally optimized atomic orbitals for large-scale electronic structures, *Physical Review B - Condensed Matter and Materials Physics*, 15, 67, p. 1–5.
- Ozaki, T., and Kino, H., 2004, Numerical atomic basis orbitals from H to Kr, *Physical Review B - Condensed Matter and Materials Physics*, 19, 69, p. 1–19.
- Perdew, J.P., Burke, K., and Ernzerhof, M., 1996, Generalized gradient approximation made simple, *Physical Review Letters*, 18, 77, p. 3865–3868.
- Ralph, D.C., and Stiles, M.D., 2008, Spin transfer torques, *Journal of Magnetism and Magnetic Materials*, 7, 320, p. 1190–1216.

- RASHBA, E.I., and SHEKA, V.I., 1991, Electric-Dipole Spin Resonances, *cond mat mes hall*, p. 131–206.
- Sasmito, S.A., et al., 2021, Reversible spin textures with giant spin splitting in two-dimensional GaXY (X=Se, Te; Y=Cl, Br, I) compounds for a persistent spin helix, *Physical Review B*, 11, 104, p. 1–13.
- Shalf, J., 2020, The future of computing beyond Moore's Law Subject Areas :, *Philosophical Transactions Royal Society*, 20190061, 378, p. 1–14.
- Song, Y., et al., 2018, Extraordinary Second Harmonic Generation in ReS₂ Atomic Crystals, *ACS Photonics*, 9, 5, p. 3485–3491.
- Tongay, S., et al., 2014, Monolayer behaviour in bulk ReS₂ due to electronic and vibrational decoupling, *Nature Communications*, 5, p. 1–6.
- Troullier, N., and Martins, J.L., 1991, Efficient pseudopotentials for plane-wave calculations, *Physical Review B*, 3, 43, p. 1993–2006.
- Vizner Stern, M., et al., 2021, Interfacial ferroelectricity by van der Waals sliding, *Science*, 6549, 372, p. 142–1466.
- Wan, Y., et al., 2022, Room-Temperature Ferroelectricity in 1 T' - ReS₂ Multilayers, *Physical Review Letters*, 6, 128, p. 1–7.
- Wang, X., et al., 2022, Noncollinear Mn₃Sn for antiferromagnetic spintronics, *Materials Today Physics*, September, 28.
- Wolf, S.A., et al., 2001, Spintronics: A spin-based electronics vision for the future, *Science*, 5546, 294, p. 1488–1495.
- Wu, S.M., Pearson, J.E., and Bhattacharya, A., 2015, Paramagnetic spin Seebeck effect, *Physical Review Letters*, 18, 114, p. 1–5.
- Yabana, K., and Bertsch, G., 1996, Time-dependent local-density approximation in real time, *Physical Review B - Condensed Matter and Materials Physics*, 7, 54, p. 4484–4487.

- Yasuda, K., et al., 2021, Stacking-engineered ferroelectricity in bilayer boron nitride, *Science*, 6549, 372, p. 1458–1462.
- Zereshki, P., et al., 2019, Interlayer charge transfer in ReS₂/WS₂ van der Waals heterostructures, *Physical Review B*, 19, 99, p. 195438.
- Zhai, Y., et al., 2017, Giant Rashba splitting in 2D organic-inorganic halide perovskites measured by transient spectroscopies, *Science Advances*, 7, 3, p. 1–7.
- Zhang, E., et al., 2015, ReS₂-Based Field-Effect Transistors and Photodetectors, *Advanced Functional Materials*, 26, 25, p. 4076–4082.
- Zibouche, N., et al., 2014, Transition-metal dichalcogenides for spintronic applications, *Annalen der Physik*, 9–10, 526, p. 395–401.
- Zong, J.-Q., et al., 2019, Strain-Mediated Stability of Structures and Electronic Properties of ReS₂, Janus ReSSe, and ReSe₂ Monolayers, *Journal of Nanomaterials*, 2019, p. 1–8.