

# Kazutaka Abe

## List of Publications by Year in descending order

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18  
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705  
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#	ARTICLE	IF	CITATIONS
1	The origin of perpendicular magneto-crystalline anisotropy in $L1_{00}$ FeNi under tetragonal distortion. Journal of Physics Condensed Matter, 2013, 25, 106005.	0.7	92
2	Half-metallic interface and coherent tunneling in $Co_2MnSi$ . Physical Review B, 2008, 78, .	1.1	91
3	Enhanced tunnel magnetoresistance in a spinel oxide barrier with cation-site disorder. Physical Review B, 2012, 86, .	1.1	77
4	First-principles study of tunneling magnetoresistance in $Fe/MgAl_2O_4/Co_2MnSi$ magnetic tunnel junctions. Physical Review B, 2012, 86, .	1.1	58
5	First-principles study of tunneling magnetoresistance in $Fe/MgAl_2O_4/Co_2MnSi$ magnetic tunnel junctions. Physical Review B, 2012, 86, .		49
6	Hydrogen-rich scandium compounds at high pressures. Physical Review B, 2017, 96, .	1.1	43
7	Crystalline diborane at high pressures. Physical Review B, 2011, 84, .	1.1	40
8	First-principles study of ballistic transport properties in $Co_2MnSi$ . Physical Review B, 2008, 78, .	1.1	29
9	Quantum disproportionation: The high hydrides at elevated pressures. Physical Review B, 2013, 88, .	1.1	25
10	High-pressure properties of dense metallic zirconium hydrides studied by ab initio calculations. Physical Review B, 2018, 98, .	1.1	25
11	Theoretical Studies on Spin-Dependent Conductance in $FePt/MgO/FePt(001)$ Magnetic Tunnel Junctions. IEEE Transactions on Magnetics, 2008, 44, 2585-2588.	1.2	20
12	Stabilization and highly metallic properties of heavy group-V hydrides at high pressures. Physical Review B, 2015, 92, .	1.1	11
13	Ab initio study of metallic aluminum hydrides at high pressures. Physical Review B, 2019, 100, .	1.1	11
14	Half-metallic behavior of $Co_2MnSi/Co_2MnAl/MgO$ interface and its coherent tunneling conductance. Journal of Physics: Conference Series, 2010, 200, 052016.	0.3	9
15	The effect of the interface oxidation on tunneling conductance of $Co_2MnSi/MgO/Co_2MnSi$ magnetic tunnel junction. Journal of Physics Condensed Matter, 2009, 21, 064245.	0.7	8
16	Half-metallic interface between a Heusler alloy and Si. Journal of Physics Condensed Matter, 2009, 21, 064244.	0.7	3
17	Metallic silicon subhydrides at high pressures studied by ab initio calculations. Physical Review B, 2021, 103, .	1.1	1
18	Search for Metallic Phases of Hydrogen and Hydrides. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 2018, 28, 281-290.	0.1	0