

Kazutaka Abe

List of Publications by Year in descending order

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citing authors

#	ARTICLE	IF	CITATIONS
1	Metallic silicon subhydrides at high pressures studied by ab initio calculations. Physical Review B, 2021, 103, .	1.1	1
2	<i>Ab initio</i> study of metallic aluminum hydrides at high pressures. Physical Review B, 2019, 100, .	1.1	11
3	High-pressure properties of dense metallic zirconium hydrides studied by ab initio calculations. Physical Review B, 2018, 98, .	1.1	25
4	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
5	Hydrogen-rich scandium compounds at high pressures. Physical Review B, 2017, 96, .	1.1	43
6	Stabilization and highly metallic properties of heavy group-V hydrides at high pressures. Physical Review B, 2015, 92, .	1.1	11
7	The origin of perpendicular magneto-crystalline anisotropy in $L1_0$ -FeNi under tetragonal distortion. Journal of Physics Condensed Matter, 2013, 25, 106005.	0.7	92
8	Quantum disproportionation: The high hydrides at elevated pressures. Physical Review B, 2013, 88, .	1.1	25
9	First principles study of tunneling magnetoresistance in Fe/MgAl ₂ O ₃ /MnSi/MgO/Co ₂ MnSi/MgO magnetic tunnel junctions. Physical Review B, 2012, 86, .	1.1	58
10	Enhanced tunnel magnetoresistance in a spinel oxide barrier with cation-site disorder. Physical Review B, 2012, 86, .	1.1	77
11	First principles study of ballistic transport properties in Co ₂ MnSi/MgO/Co ₂ MnSi/MgO/Co ₂ MnSi/MgO magnetic tunnel junctions. Physical Review B, 2012, 86, .	1.1	29
12	Crystalline diborane at high pressures. Physical Review B, 2011, 84, .	1.1	40
13	Effects of interfacial noncollinear magnetic structures on spin-dependent conductance in Co ₂ MnSi/MgO/Co ₂ MnSi/MgO/Co ₂ MnSi/MgO magnetic tunnel junctions. Physical Review B, 2011, 84, .	1.1	49
14	Half-metallic behavior of Co ₂ MnSi/Co ₂ MnAl/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 ₂ MnSi/MgO/Co ₂ MnSi 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	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
18	Half-metallic interface and coherent tunneling in Co ₂ MnSi/MgO/Co ₂ MnSi/MgO magnetic tunnel junctions. Physical Review B, 2008, 78, .	1.1	91