

Ole Martin LÃvvik

List of Publications by Year in descending order

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129
papers

4,160
citations

126907

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128289

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132
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132
docs citations

132
times ranked

5013
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Lattice thermal conductivity of half-Heuslers with density functional theory and machine learning: Enhancing predictivity by active sampling with principal component analysis. Computational Materials Science, 2022, 202, 110938. | 3.0 | 17 |
| 2 | Attaining Low Lattice Thermal Conductivity in Half-Heusler Sublattice Solid Solutions: Which Substitution Site Is Most Effective?. Electronic Materials, 2022, 3, 1-14. | 1.9 | 1 |
| 3 | A Roadmap for Transforming Research to Invent the Batteries of the Future Designed within the European Large Scale Research Initiative BATTERY 2030+. Advanced Energy Materials, 2022, 12, . | 19.5 | 70 |
| 4 | High entropy alloy CrFeNiCoCu sputter deposited films: Structure, electrical properties, and oxidation. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2022, 40, . | 2.1 | 3 |
| 5 | New structure and insight on the phase transition within the Cu-Pd-Sn system with 25 at. % Sn. Materialia, 2022, 24, 101461. | 2.7 | 0 |
| 6 | Fabrication of a Silicide Thermoelectric Module Employing Fractional Factorial Design Principles. Journal of Electronic Materials, 2021, 50, 4041-4049. | 2.2 | 4 |
| 7 | Jahn-Teller active fluoroperovskites ACrF ₃ (A=Na+,K+) : Magnetic and thermo-optical properties. Physical Review Materials, 2021, 5, . | 2.4 | 1 |
| 8 | Discarded gems: Thermoelectric performance of materials with band gap emerging at the hybrid-functional level. Applied Physics Letters, 2021, 119, . | 3.3 | 3 |
| 9 | Vacancy diffusion in palladium hydrides. Physical Chemistry Chemical Physics, 2021, 23, 13680-13686. | 2.8 | 6 |
| 10 | Screening of thermoelectric silicides with atomistic transport calculations. Journal of Applied Physics, 2020, 128, 125105. | 2.5 | 3 |
| 11 | Hydrogen induced vacancy clustering and void formation mechanisms at grain boundaries in palladium. Acta Materialia, 2020, 195, 708-719. | 7.9 | 25 |
| 12 | Structural and magnetic characterization of the elusive Jahn-Teller active NaCrF_3 . Physical Review Materials, 2020, 4, . | 2.4 | 1 |
| 13 | Determining the Optimal Phase-Change Material via High-Throughput Calculations. MRS Advances, 2019, 4, 2679-2687. | 0.9 | 4 |
| 14 | A Review of Eutectic Au-Ge Solder Joints. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 4632-4641. | 2.2 | 5 |
| 15 | Investigation of the electrostatic potential of a grain boundary in Y-substituted BaZrO ₃ using inline electron holography. Physical Chemistry Chemical Physics, 2019, 21, 17662-17672. | 2.8 | 10 |
| 16 | Thermoelectric transport trends in group 4 half-Heusler alloys. Journal of Applied Physics, 2019, 126, . | 2.5 | 20 |
| 17 | Calculation of the anisotropic coefficients of thermal expansion: A first-principles approach. Computational Materials Science, 2019, 167, 257-263. | 3.0 | 16 |
| 18 | Application of machine learning-based selective sampling to determine BaZrO ₃ grain boundary structures. Computational Materials Science, 2019, 164, 57-65. | 3.0 | 4 |

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 19 | Decohesion Energy of $\Sigma 5(012)$ Grain Boundaries in Ni as Function of Hydrogen Content. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2019, 50, 451-456. | 2.2 | 3 |
| 20 | Effectiveness of Neural Networks for Research on Novel Thermoelectric Materials. A Proof of Concept. Communications in Computer and Information Science, 2019, , 69-77. | 0.5 | 0 |
| 21 | Segregation of Mg, Cu and their effects on the strength of Al $\Sigma 5(210)[001]$ symmetrical tilt grain boundary. Acta Materialia, 2018, 145, 235-246. | 7.9 | 101 |
| 22 | Valence charge distribution in homogenous silicon-aluminium thin-films. Journal of Physics Condensed Matter, 2018, 30, 335502. | 1.8 | 2 |
| 23 | Optical and Microstructural Investigation of Heavy B-Doping Effects in Sublimation-Grown 3C-SiC. Materials Science Forum, 2018, 924, 221-224. | 0.3 | 1 |
| 24 | Discovering Thermoelectric Materials Using Machine Learning: Insights and Challenges. Lecture Notes in Computer Science, 2018, , 392-401. | 1.3 | 6 |
| 25 | Grain Boundary Segregation in Pd-Cu-Ag Alloys for High Permeability Hydrogen Separation Membranes. Membranes, 2018, 8, 81. | 3.0 | 7 |
| 26 | Predicting the thermoelectric figure-of-merit from first principles. Materials Today: Proceedings, 2018, 5, 10227-10234. | 1.8 | 5 |
| 27 | Formation of nanoporous Si upon self-organized growth of Al and Si nanostructures. Nanotechnology, 2018, 29, 315602. | 2.6 | 7 |
| 28 | Leakage evolution and atomic-scale changes in Pd-based membranes induced by long-term hydrogen permeation. Journal of Membrane Science, 2018, 563, 398-404. | 8.2 | 23 |
| 29 | Boron-doping of cubic SiC for intermediate band solar cells: a scanning transmission electron microscopy study. SciPost Physics, 2018, 5, . | 4.9 | 3 |
| 30 | Lattice thermal conductivity of $\text{Ti}_x\text{Zr}_{1-x}\text{Sn}$ alloys calculated from first principles: Key role of nature of phonon modes. Physical Review B, 2017, 95, . | 3.2 | 79 |
| 31 | Optimising multi-frame ADF-STEM for high-precision atomic-resolution strain mapping. Ultramicroscopy, 2017, 179, 57-62. | 1.9 | 46 |
| 32 | The role of grain boundary scattering in reducing the thermal conductivity of polycrystalline XNiSn ($\text{X} = \text{Hf, Zr, Ti}$) half-Heusler alloys. Scientific Reports, 2017, 7, 13760. | 3.3 | 55 |
| 33 | Characterization of B-Implanted 3C-SiC for Intermediate Band Solar Cells. Materials Science Forum, 2017, 897, 299-302. | 0.3 | 2 |
| 34 | Interface phenomena in magnetron sputtered $\text{Cu}_2\text{O}/\text{ZnO}$ heterostructures. Journal of Physics Condensed Matter, 2017, 29, 435002. | 1.8 | 5 |
| 35 | Twinnability of Al-Mg alloys: A first-principles interpretation. Transactions of Nonferrous Metals Society of China, 2017, 27, 1313-1318. | 4.2 | 3 |
| 36 | Combined effect of Mg and vacancy on the generalized planar fault energy of Al. Journal of Alloys and Compounds, 2017, 690, 841-850. | 5.5 | 21 |

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|----|---|-----|-----------|
| 37 | Thermoelectric module for high temperature application. , 2017, , . | | 4 |
| 38 | Mapping the Chemistry Within, and the Strain Around, Al-alloy Precipitates at Atomic Resolution by Multi-frame Scanning Transmission Electron Microscopy. <i>Microscopy and Microanalysis</i> , 2017, 23, 384-385. | 0.4 | 0 |
| 39 | Structural properties of Cu ₂ O epitaxial films grown on c-axis single crystal ZnO by magnetron sputtering. <i>Applied Physics Letters</i> , 2016, 108, 152110. | 3.3 | 10 |
| 40 | Enhancement of thermoelectric properties by energy filtering: Theoretical potential and experimental reality in nanostructured ZnSb. <i>Journal of Applied Physics</i> , 2016, 119, . | 2.5 | 31 |
| 41 | Direct-to-indirect bandgap transitions in $\sqrt{110}$ silicon nanowires. <i>Journal of Applied Physics</i> , 2016, 119, . | 2.5 | 18 |
| 42 | Impurity effect of Mg on the generalized planar fault energy of Al. <i>Journal of Materials Science</i> , 2016, 51, 6552-6568. | 3.7 | 46 |
| 43 | Epitaxial Strain-Induced Growth of CuO at Cu ₂ O/ZnO Interfaces. <i>Journal of Physical Chemistry C</i> , 2016, 120, 23552-23558. | 3.1 | 12 |
| 44 | Comparing electrochemical performance of transition metal silicate cathodes and chevrel phase Mo ₆ S ₈ in the analogous rechargeable Mg-ion battery system. <i>Journal of Power Sources</i> , 2016, 321, 76-86. | 7.8 | 28 |
| 45 | Boron-Implanted 3C-SiC for Intermediate Band Solar Cells. <i>Materials Science Forum</i> , 2016, 858, 291-294. | 0.3 | 6 |
| 46 | Nanocomposites of few-layer graphene oxide and alumina by density functional theory calculations. <i>Journal of the European Ceramic Society</i> , 2016, 36, 719-724. | 5.7 | 12 |
| 47 | Cubic silicon carbide as a potential photovoltaic material. <i>Solar Energy Materials and Solar Cells</i> , 2016, 145, 104-108. | 6.2 | 41 |
| 48 | Nanostructuring of Undoped ZnSb by Cryo-Milling. <i>Journal of Electronic Materials</i> , 2015, 44, 2578-2584. | 2.2 | 17 |
| 49 | Hydrogen embrittlement in nickel, visited by first principles modeling, cohesive zone simulation and nanomechanical testing. <i>International Journal of Hydrogen Energy</i> , 2015, 40, 16892-16900. | 7.1 | 93 |
| 50 | Multi-component solid solution and cluster hardening of Al-Mn-Si alloys. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2015, 625, 153-157. | 5.6 | 19 |
| 51 | Prediction of solute diffusivity in Al assisted by first-principles molecular dynamics. <i>Journal of Physics Condensed Matter</i> , 2014, 26, 025403. | 1.8 | 5 |
| 52 | Perovskite to Postperovskite Transition in NaFeF ₃ . <i>Inorganic Chemistry</i> , 2014, 53, 12205-12214. | 4.0 | 19 |
| 53 | Detailed atomistic insight into the $\hat{\Gamma}^2$ phase in Al-Mg-Si alloys. <i>Acta Materialia</i> , 2014, 69, 126-134. | 7.9 | 156 |
| 54 | First-principles calculations on sulfur interacting with ternary Pd-Ag-transition metal alloy membrane alloys. <i>Journal of Membrane Science</i> , 2014, 453, 525-531. | 8.2 | 16 |

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| 55 | Density Functional Study of the $\hat{2}\hat{a}^3$ Phase in Al-Mg-Si Alloys. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2014, 45, 2916-2924. | 2.2 | 20 |
| 56 | Initial stages of ITO/Si interface formation: In situ x-ray photoelectron spectroscopy measurements upon magnetron sputtering and atomistic modelling using density functional theory. Journal of Applied Physics, 2014, 115, 083705. | 2.5 | 16 |
| 57 | Removal of Phosphorus in Metallurgical Silicon by Rare Earth Elements. Metallurgical and Materials Transactions E, 2014, 1, 257-262. | 0.5 | 1 |
| 58 | Oxygen Nonstoichiometry in $(\text{Ca}_{2/3}\text{CoO}_{3/2})_{0.62}(\text{CoO})_2$: A Combined Experimental and Computational Study. Journal of Physical Chemistry C, 2014, 118, 18899-18907. | 3.1 | 24 |
| 59 | X-ray photoelectron spectroscopy investigation of magnetron sputtered Mg-Ti-H thin films. International Journal of Hydrogen Energy, 2013, 38, 10704-10715. | 7.1 | 21 |
| 60 | Effect of Temperature on the Die Shear Strength of a Au-Sn SLID Bond. Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science, 2013, 44, 2914-2916. | 2.2 | 23 |
| 61 | High Temperature Interconnect and Die Attach Technology: Au-Sn SLID Bonding. IEEE Transactions on Components, Packaging and Manufacturing Technology, 2013, 3, 904-914. | 2.5 | 46 |
| 62 | On the Complex Structural Picture of the Ionic Conductor $\text{Sr}_6\text{Ta}_2\text{O}_{11}$. Journal of Physical Chemistry C, 2013, 117, 9543-9549. | 3.1 | 6 |
| 63 | Effect of Transition Metal Dopants on Initial Mass Transport in the Dehydrogenation of NaAlH_4 : Density Functional Theory Study. Journal of Physical Chemistry C, 2013, 117, 3-14. | 3.1 | 19 |
| 64 | Si^2 -Si ₃ N ₄ (001)/Si(111) interface: Phosphorus defects, valence b | 3.2 | 11 |
| 65 | Hydrogen induced stabilization of meta-stable Mg-Ti. Applied Physics Letters, 2012, 100, 111902. | 3.3 | 7 |
| 66 | Theoretical analysis of oxygen vacancies in layered sodium cobaltate, $\text{Na}_x\text{CoO}_{2\hat{a}}$. Journal of Physics Condensed Matter, 2012, 24, 475505. | 1.8 | 15 |
| 67 | Interfacial Charge Transfer and Chemical Bonding in a Ni-LaNbO ₄ Cermet for Proton-Conducting Solid-Oxide Fuel Cell Anodes. Chemistry of Materials, 2012, 24, 4152-4159. | 6.7 | 16 |
| 68 | Combined XPS and first principle study of metastable Mg-Ti thin films. Surface and Interface Analysis, 2012, 44, 986-988. | 1.8 | 6 |
| 69 | Au-Sn SLID Bonding Properties and Possibilities. Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science, 2012, 43, 397-405. | 2.1 | 73 |
| 70 | Hydrogen energetics and charge transfer in the Ni/LaNbO ₄ interface from DFT calculations. International Journal of Hydrogen Energy, 2012, 37, 8033-8042. | 7.1 | 6 |
| 71 | Atomistic study of LaNbO ₄ ; surface properties and hydrogen adsorption. International Journal of Hydrogen Energy, 2012, 37, 6674-6685. | 7.1 | 13 |
| 72 | Crystal structure and dynamics of Mg(ND ₃) ₆ Cl ₂ . Physical Chemistry Chemical Physics, 2011, 13, 7644. | 2.8 | 9 |

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| 73 | Self-diffusion in Zn ₄ Sb ₃ from first-principles molecular dynamics. Computational Materials Science, 2011, 50, 2663-2665. | 3.0 | 11 |
| 74 | Adjustment of the decomposition path for Na ₂ LiAlH ₆ by TiF ₃ addition. International Journal of Hydrogen Energy, 2011, 36, 12279-12285. | 7.1 | 8 |
| 75 | Nanovoids in thermoelectric \hat{I}^2 -Zn ₄ Sb ₃ : A possibility for nanoengineering via Zn diffusion. Acta Materialia, 2011, 59, 5266-5275. | 7.9 | 35 |
| 76 | Nanostructuring in \hat{I}^2 -Zn ₄ Sb ₃ with variable starting Zn compositions. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 1652-1657. | 1.8 | 25 |
| 77 | XPS characterisation of in situ treated lanthanum oxide and hydroxide using tailored charge referencing and peak fitting procedures. Journal of Electron Spectroscopy and Related Phenomena, 2011, 184, 399-409. | 1.7 | 449 |
| 78 | Decomposition of lithium magnesium aluminum hydride. International Journal of Hydrogen Energy, 2011, 36, 7602-7611. | 7.1 | 12 |
| 79 | Electronic origins for sulfur interactions with palladium alloys for hydrogen-selective membranes. Journal of Membrane Science, 2011, 375, 96-103. | 8.2 | 24 |
| 80 | Experimental and theoretical study of electron density and structure factors in CoSb ₃ . Ultramicroscopy, 2011, 111, 847-853. | 1.9 | 11 |
| 81 | X-ray photoelectron spectroscopy study of MgH ₂ thin films grown by reactive sputtering. Surface and Interface Analysis, 2010, 42, 1140-1143. | 1.8 | 2 |
| 82 | Characterization of thin and ultrathin transparent conducting oxide (TCO) films and TCO/Si interfaces with XPS, TEM and <i>ab initio</i> modeling. Surface and Interface Analysis, 2010, 42, 874-877. | 1.8 | 7 |
| 83 | Density functional calculations of Ti nanoclusters in the metastable Mg-Ti system. Physical Review B, 2010, 82, . | 3.2 | 12 |
| 84 | Role of the self-interaction error in studying chemisorption on graphene from first-principles. Physical Review B, 2010, 81, . | 3.2 | 23 |
| 85 | Bond analysis of phosphorus skutterudites: Elongated lanthanum electron buildup in LaFe ₄ P ₁₂ . Computational Materials Science, 2010, 47, 752-757. | 3.0 | 8 |
| 86 | Surface stability of potassium nitrate (KNO ₃) from density functional theory. Computational Materials Science, 2010, 50, 356-362. | 3.0 | 6 |
| 87 | Electronic structure studies of Ni-X (X: B, S, P) alloys using x-ray photoelectron spectroscopy, x-ray induced Auger electron spectroscopy and density functional theory calculations. Journal of Physics Condensed Matter, 2009, 21, 245503. | 1.8 | 15 |
| 88 | Viable storage of hydrogen in materials with off-board recharging using high-temperature electrolysis. International Journal of Hydrogen Energy, 2009, 34, 2679-2683. | 7.1 | 7 |
| 89 | Surfaces and Clusters of Mg(NH ₂) ₂ Studied by Density Functional Theory Calculations. Journal of Physical Chemistry C, 2009, 113, 21648-21656. | 3.1 | 4 |
| 90 | Understanding adsorption of hydrogen atoms on graphene. Journal of Chemical Physics, 2009, 130, 054704. | 3.0 | 303 |

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| 91 | Reversed surface segregation in palladium-silver alloys due to hydrogen adsorption. <i>Surface Science</i> , 2008, 602, 2840-2844. | 1.9 | 75 |
| 92 | Comparison of the electronic structure of a thermoelectric skutterudite before and after adding rattlers: An electron energy loss study. <i>Micron</i> , 2008, 39, 685-689. | 2.2 | 4 |
| 93 | The crystal structure of LiMgAlD6 from combined neutron and synchrotron X-ray powder diffraction. <i>Journal of Alloys and Compounds</i> , 2008, 460, 64-68. | 5.5 | 17 |
| 94 | Thermodynamic modeling of the Na-Al-Ti-H system and Ti dissolution in sodium alanates. <i>Calphad: Computer Coupling of Phase Diagrams and Thermochemistry</i> , 2008, 32, 624-636. | 1.6 | 16 |
| 95 | Experimental studies of LiAlD_3 and LiAl_2D_3 versus first-principles modelling of the alane isomorphs. <i>Journal of Materials Chemistry</i> , 2008, 18, 2361. | 6.7 | 34 |
| 96 | Density Functional Theory Study of the TiH_2 Interaction with a NaAlH_4 Cluster. <i>Journal of Physical Chemistry C</i> , 2008, 112, 15759-15764. | 3.1 | 21 |
| 97 | New filled P-based skutterudites promising materials for thermoelectricity?. <i>New Journal of Physics</i> , 2008, 10, 053004. | 2.9 | 8 |
| 98 | Highly destabilized Mg-Ti-Ni-H system investigated by density functional theory and hydrogenography. <i>Physical Review B</i> , 2008, 77, . | 3.2 | 39 |
| 99 | Hydrogen interactions with the PdCu ordered B2 alloy. <i>Journal of Alloys and Compounds</i> , 2007, 446-447, 583-587. | 5.5 | 55 |
| 100 | NaAlH_4 Clusters with Two Titanium Atoms Added. <i>Journal of Physical Chemistry C</i> , 2007, 111, 8206-8213. | 3.1 | 22 |
| 101 | Integrated Experimental Theoretical Investigation of the Na-Li-Al-H System. <i>Inorganic Chemistry</i> , 2007, 46, 1401-1409. | 4.0 | 16 |
| 102 | The Crystal Structure and Surface Energy of NaAlH_4 : A Comparison of DFT Methodologies. <i>Journal of Physical Chemistry B</i> , 2006, 110, 622-630. | 2.6 | 43 |
| 103 | The crystal structure of $\text{Zr}_2\text{NiD}_{4.5}$. <i>Acta Crystallographica Section B: Structural Science</i> , 2006, 62, 972-978. | 1.8 | 2 |
| 104 | A density functional theory study of Ti-doped NaAlH_4 clusters. <i>Chemical Physics Letters</i> , 2006, 426, 180-186. | 2.6 | 25 |
| 105 | First-principles study of alkaline-earth alanates. <i>AIP Conference Proceedings</i> , 2006, , . | 0.4 | 4 |
| 106 | Comparison of theoretical and experimental dielectric functions: Electron energy-loss spectroscopy and density-functional calculations on skutterudites. <i>Physical Review B</i> , 2006, 74, . | 3.2 | 28 |
| 107 | Stability of Ti in NaAlH_4 . <i>Applied Physics Letters</i> , 2006, 88, 161917. | 3.3 | 32 |
| 108 | Surface segregation in palladium based alloys from density-functional calculations. <i>Surface Science</i> , 2005, 583, 100-106. | 1.9 | 113 |

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| 109 | Crystal structure of $\text{Ca}(\text{AlH}_4)_2$ predicted from density-functional band-structure calculations. <i>Physical Review B</i> , 2005, 71, . | 3.2 | 58 |
| 110 | Experimental and theoretical studies of plasma resonance and the electronic structure of binary skutterudites. <i>Materials Research Society Symposia Proceedings</i> , 2005, 886, 1. | 0.1 | 0 |
| 111 | Density functional calculations of Ti-enhanced NaAlH_4 . <i>Physical Review B</i> , 2005, 71, . | 3.2 | 107 |
| 112 | Density-functional band-structure calculations of magnesium alanate $\text{Mg}(\text{AlH}_4)_2$. <i>Physical Review B</i> , 2005, 72, . | 3.2 | 27 |
| 113 | Modeling alkali alanates for hydrogen storage by density-functional band-structure calculations. <i>Journal of Materials Research</i> , 2005, 20, 3199-3213. | 2.6 | 41 |
| 114 | Crystal structures and electronic structures of alkali aluminohexahydrides from density functional calculations. <i>Journal of Alloys and Compounds</i> , 2005, 404-406, 757-761. | 5.5 | 16 |
| 115 | Structure and stability of possible new alanates. <i>Europhysics Letters</i> , 2004, 67, 607-613. | 2.0 | 41 |
| 116 | Crystal structure and thermodynamic stability of the lithium alanates LiAlH_4 and Li_3AlH_6 . <i>Physical Review B</i> , 2004, 69, . | 3.2 | 114 |
| 117 | The influence of electronic structure on hydrogen absorption in palladium alloys. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 6267-6277. | 1.8 | 75 |
| 118 | Density-functional band-structure calculations for La-, Y-, and Sc-filled CoP_3 -based skutterudite structures. <i>Physical Review B</i> , 2004, 70, . | 3.2 | 27 |
| 119 | Adsorption of Ti on LiAlH_4 surfaces studied by band structure calculations. <i>Journal of Alloys and Compounds</i> , 2004, 373, 28-32. | 5.5 | 13 |
| 120 | Density functional calculations of hydrogen adsorption on palladium-silver alloy surfaces. <i>Journal of Chemical Physics</i> , 2003, 118, 3268-3276. | 3.0 | 62 |
| 121 | Periodic band calculation on low index surfaces of crystalline LiAlH_4 . <i>Journal of Alloys and Compounds</i> , 2003, 356-357, 178-180. | 5.5 | 14 |
| 122 | Density functional calculations on hydrogen in palladium-silver alloys. <i>Journal of Alloys and Compounds</i> , 2002, 330-332, 332-337. | 5.5 | 56 |
| 123 | A study of a polymer-based radiative cooling system. <i>Solar Energy</i> , 2002, 73, 403-417. | 6.1 | 97 |
| 124 | Adsorption energies and ordered structures of hydrogen on Pd(111) from density-functional periodic calculations. <i>Physical Review B</i> , 1998, 58, 10890-10898. | 3.2 | 81 |
| 125 | The influence of surface motion on the direct subsurface absorption of H_2 on Pd(111). <i>Journal of Chemical Physics</i> , 1997, 107, 10652-10661. | 3.0 | 39 |
| 126 | Direct subsurface absorption of hydrogen on Pd(111): Quantum mechanical calculations on a new two-dimensional potential energy surface. <i>Journal of Chemical Physics</i> , 1997, 106, 9286-9296. | 3.0 | 43 |

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| 127 | Direct subsurface absorption of hydrogen on Pd(111). Journal of Chemical Physics, 1996, 104, 4330-4336. | 3.0 | 9 |
| 128 | Model calculations on a flat-plate solar heat collector with integrated solar cells. Solar Energy, 1995, 55, 453-462. | 6.1 | 290 |
| 129 | Controlling the Electrical Properties of Reactively Sputtered High Entropy Alloy CrFeNiCoCu Films. Journal of Electronic Materials, 0, , 1. | 2.2 | 1 |