

Semiempirical, Quantum Mechanical Calculation of Hydrogen

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Citation Report

#	ARTICLE	IF	CITATIONS
1	A simple empirical N -body potential for transition metals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1984, 50, 45-55.	0.8	2,878
2	Dynamical calculation of low energy hydrogen reflection. Journal of Nuclear Materials, 1984, 128-129, 676-680.	1.3	35
3	Model studies of the interaction of h atoms with bcc iron. Surface Science, 1984, 143, 188-203.	0.8	33
4	Embedded-atom method: Derivation and application to impurities, surfaces, and other defects in metals. Physical Review B, 1984, 29, 6443-6453.	1.1	6,059
5	Theory of hydrogen and helium impurities in metals. Physical Review B, 1984, 29, 5382-5397.	1.1	146
6	Simulation of Equilibrium Segregation in Alloys Using the Embedded Atom Method. Materials Research Society Symposia Proceedings, 1985, 63, 61.	0.1	10
7	Unified empirical formulas for the backscattering coefficients of light ions. Nuclear Instruments & Methods in Physics Research B, 1985, 9, 113-122.	0.6	18
8	Application of the embedded atom method to phonons in transition metals. Solid State Communications, 1985, 56, 697-699.	0.9	138
9	Application of the embedded-atom method to liquid transition metals. Physical Review B, 1985, 32, 3409-3415.	1.1	398
10	Calculation of the surface segregation of Ni-Cu alloys with the use of the embedded-atom method. Physical Review B, 1985, 32, 7685-7693.	1.1	500
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12	On interfacial adhesion. Scripta Metallurgica, 1985, 19, 371-375.	1.2	2
13	Surface segregation in a dilute copper-silver alloy. Journal of Materials Research, 1986, 1, 646-651.	1.2	22
14	Embedded-atom-method functions for the fcc metals Cu, Ag, Au, Ni, Pd, Pt, and their alloys. Physical Review B, 1986, 33, 7983-7991.	1.1	4,002
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16	Order-disorder transitions and subsurface occupation for hydrogen on Pd(111). Surface Science, 1986, 171, L379-L386.	0.8	115
17	Semi-empirical calculation of solid surface tensions in body-centred cubic transition metals. Philosophical Magazine A: Physics of Condensed Matter, Structure, Defects and Mechanical Properties, 1986, 54, 301-315.	0.8	176
18	Order-disorder transitions and subsurface occupation for hydrogen on Pd(111). Surface Science Letters, 1986, 171, L379-L386.	0.1	1

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19	Theoretical studies of hydrogen storage in binary Ti-Ni, Ti-Cu, and Ti-Fe alloys. <i>Theoretica Chimica Acta</i> , 1986, 70, 265-296.	0.9	6
20	The influence of applied stress on precipitate shape and stability. <i>Journal of Materials Research</i> , 1986, 1, 635-645.	1.2	15
21	Recent Advances in Understanding Helium Embrittlement in Metals. <i>MRS Bulletin</i> , 1986, 11, 14-18.	1.7	29
22	Thermodynamic properties of liquid transition metals. <i>Journal of Physics F: Metal Physics</i> , 1986, 16, 1419-1428.	1.6	12
23	Effective interatomic potentials in strong-scattering open shell metals: application to bonding force in d-band metals. <i>Journal of Physics F: Metal Physics</i> , 1986, 16, 1705-1724.	1.6	8
24	Interatomic interactions in solids: An effective-medium approach. <i>Physical Review B</i> , 1986, 34, 8486-8495.	1.1	54
25	Photoemission from H adsorbed on Ni(111) and Pd(111) surfaces. <i>Physical Review B</i> , 1986, 33, 736-746.	1.1	90
26	Energy and angular distributions of Rh atoms ejected due to ion bombardment from Rh{111}: A theoretical study. <i>Physical Review B</i> , 1987, 36, 3516-3521.	1.1	44
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44	Energy cost to sputter an atom from a surface in keV ion bombardment processes. <i>Surface Science Letters</i> , 1987, 180, L129-L133.	0.1	2
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