

Gas-€”surface interactions and dynamics; Thermal ene studies

Surface Science Reports

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Citation Report

#	ARTICLE	IF	CITATIONS
2	Rotational state distributions of NO molecules after interaction with germanium surfaces. Journal of Chemical Physics, 1985, 83, 4800-4807.	1.2	55
3	Observation of Direct Vibrational Excitation in Gas-Surface Collisions: NO on Ag(111). Physical Review Letters, 1985, 55, 1904-1907.	2.9	213
4	Charge Transfer and Vibrational Excitation in Molecule-Surface Collisions: Trajectory Quantum Theory. Physica Scripta, 1985, 32, 413-422.	1.2	45
5	Ab initio studies of He-Ni and He-Cu interaction potentials. Surface Science, 1985, 156, 670-677.	0.8	1
6	Monte Carlo simulation of inelastic surface scattering; Phonon transfer model applied to Br ₂ and no scattering from graphite surfaces. Surface Science, 1985, 157, 61-73.	0.8	7
7	Electron-hole pair mechanism for excitation of intramolecular vibrations in molecule-surface scattering. Surface Science, 1986, 171, 600-614.	0.8	121
8	Inelastic scattering and trapping of an atom on a cold, simple-cubic lattice. Surface Science, 1986, 175, 579-603.	0.8	8
9	State-resolved measurements of the energy distributions of NO scattered at Ge surfaces. Surface Science, 1986, 178, 798-805.	0.8	19
10	Energy and angular distributions for scattering of K ⁺ from W(110) at normal incidence. Surface Science, 1986, 172, 90-120.	0.8	50
11	Computer simulations and rainbow patterns of alkali ion scattering from metal surfaces. Surface Science, 1986, 172, 121-150.	0.8	59
12	Superposition of atomic densities to evaluate the electron density required by the Esbjerg-Nørskov relation. Surface Science, 1986, 169, L289-L294.	0.8	4
13	A Classical Trajectory Surface Hopping Approach to Non-Adiabatic Molecule-Surface Processes. Studies in Surface Science and Catalysis, 1986, , 223-234.	1.5	0
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15	Quantum-resolved molecular-beam scattering of ammonia from ammonia-saturated tungsten (100). Chemical Physics Letters, 1986, 130, 79-83.	1.2	6
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17	Superposition of atomic densities to evaluate the electron density required by the Esbjerg-Nørskov relation. Surface Science Letters, 1986, 169, L289-L294.	0.1	0
18	A classical trajectory surface hopping approach to non-adiabatic molecule-surface processes. Journal of Electron Spectroscopy and Related Phenomena, 1986, 39, 223-234.	0.8	4
19	Time-dependent wavepacket calculations of molecular scattering from surfaces. Computer Physics Reports, 1986, 5, 61-113.	2.3	154

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23	Molecular Transformations on Single Crystal Metal Surfaces. <i>Science</i> , 1986, 233, 1159-1166.	6.0	53
24	Low-Energy Atom Scattering from Surfaces. <i>Science</i> , 1986, 234, 327-333.	6.0	9
25	Saturation Effects of the Atom-metal Van der Waals Interaction. <i>Physica Scripta</i> , 1986, 33, 173-179.	1.2	10
26	Escape problem for particles with internal degrees of freedom out of a potential. <i>Physical Review B</i> , 1986, 34, 587-595.	1.1	1
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28	Dynamics of the activated dissociative chemisorption of N ₂ on W(110): A molecular beam study. <i>Journal of Chemical Physics</i> , 1986, 85, 7452-7466.	1.2	162
29	Inelastic scattering of Br ₂ from graphite surfaces: A Monte Carlo classical trajectory study. <i>Journal of Chemical Physics</i> , 1986, 85, 6163-6175.	1.2	6
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31	Dynamics of NO Molecular-Beam Scattering from a Ge Surface. <i>Physical Review Letters</i> , 1986, 57, 384-387.	2.9	44
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35	Activated Chemisorption: Internal Degrees of Freedom and Measured Activation Energies. <i>Physical Review Letters</i> , 1986, 57, 2532-2535.	2.9	36
36	Correlation Between Kinetic-Energy Transfer to Rotation and to Phonons in Gas-Surface Collisions of NO with Ag(111). <i>Physical Review Letters</i> , 1986, 57, 2053-2056.	2.9	93
37	Effect of incidence kinetic energy and surface coverage on the dissociative chemisorption of oxygen on W(110). <i>Journal of Chemical Physics</i> , 1986, 85, 1131-1149.	1.2	198
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50	A theoretical study of alignment effects in collisions of N ₂ with a Ag surface. Journal of Chemical Physics, 1987, 87, 4937-4947.	1.2	22
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58	On the dependence of energy exchange and corrugation in atom-surface scattering: Argon scattering from Ni(111). <i>Surface Science</i> , 1987, 183, 515-530.	0.8	17
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61	The interaction of CO and Ar molecular beams with Ir(110). <i>Surface Science</i> , 1987, 185, 36-52.	0.8	43
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74	UV laser-stimulated resonant desorption from metal surfaces: NO/Ni(100). <i>Chemical Physics Letters</i> , 1987, 136, 106-113.	1.2	45

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