

Evidence of a Square Two-Dimensional Solid of Methane of Magnesium Oxide

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#	ARTICLE	IF	CITATIONS
1	Surface Premelting of CH ₄ Thin Films. Europhysics Letters, 1987, 4, 79-84.	2.0	89
2	Diffusivity of a two-dimensional lattice fluid: CH ₄ adsorbed on MgO(100). Surface Science, 1987, 182, 557-566.	1.9	57
3	Potential energy calculations for argon and methane adsorbed on MgO(001) substrate. Chemical Physics Letters, 1987, 138, 83-89.	2.6	35
4	Neutron-scattering study of methane bilayer and trilayer films on graphite. Physical Review B, 1988, 37, 4735-4742.	3.2	49
5	Surface premelting of thin films of methane. Surface Science, 1988, 204, 331-344.	1.9	56
6	Numerical determination of the structure of registered rare gas monolayers adsorbed on dielectric or metallic substrates. Surface Science, 1988, 201, 278-293.	1.9	5
7	Structures and adsorption energies of commensurate rare-gas monolayers on MgO(100). Physical Review B, 1988, 38, 3781-3797.	3.2	61
8	He atom near methane-plated MgO: Interaction and scattering. Physical Review B, 1989, 40, 11893-11901.	3.2	20
9	Dynamics of a frustrated rare-gas monolayer adsorbed on a MgO(100) substrate. Physical Review B, 1989, 39, 8643-8651.	3.2	9
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13	Kr and Xe monolayers adsorbed on MgO powder studied by x-ray diffraction. Surface Science Letters, 1989, 215, A302.	0.1	2
14	Lineshape calculations for two-dimensional powder samples. Surface Science, 1989, 208, 507-532.	1.9	59
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18	Surface melting of thin films of methane. Vacuum, 1990, 41, 404-405.	3.5	2

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20	Molecular-dynamics simulation of argon physisorbed on magnesium oxide. <i>Molecular Physics</i> , 1990, 69, 703-713.	1.7	18
21	Molecular-dynamics simulation of methane adsorbed on MgO: Evidence for a Kosterlitz-Thouless transition. <i>Molecular Physics</i> , 1990, 71, 1173-1191.	1.7	27
22	A computer simulation investigation of surface disordering in adsorbed multilayers. <i>Surface Science</i> , 1990, 230, 311-322.	1.9	18
23	Potentials of physical adsorption. <i>Surface Science Reports</i> , 1991, 12, 135-181.	7.2	584
24	Rotational tunneling of methane on MgO surfaces: A neutron scattering study. <i>Journal of Chemical Physics</i> , 1991, 95, 6997-7000.	3.0	47
25	Thermodynamic and structural properties of thin N ₂ and Co films adsorbed on ionic substrate of high surface homogeneity MgO (100). <i>Phase Transitions</i> , 1991, 30, 103-105.	1.3	8
26	Dynamics and kinetics of monolayer CH ₄ on MgO(001) studied by helium-atom scattering. <i>Physical Review B</i> , 1991, 43, 10042-10050.	3.2	20
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36	Neutron diffraction investigation of the structure of the C ₂ D ₂ film physisorbed upon MgO(100). <i>Molecular Physics</i> , 1994, 81, 1259-1264.	1.7	20
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46	Orientalional Isomers and Monolayer Structure of CH ₃ D Physisorbed on NaCl(100). Journal of Physical Chemistry B, 1999, 103, 1691-1698.	2.6	1
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57	Helium atom scattering experiments and molecular dynamics simulations of the structure and lattice dynamics of 15-layer acetylene films on KCl(001). <i>Physical Review B</i> , 2002, 65, .	3.2	8
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59	Methane adsorption and dissociation and oxygen adsorption and reaction with CO on Pd nanoparticles on MgO(100) and on Pd(111). <i>Surface Science</i> , 2005, 591, 90-107.	1.9	51
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62	Physical properties of carbon nanotubes radiated by proton beams: Gas adsorption and electron microscopy studies. <i>Thin Solid Films</i> , 2008, 516, 3474-3477.	1.8	6
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64	Initial stages of square lattice stacks of CH ₄ on MgO(001). <i>Physical Review B</i> , 2012, 85, .	3.2	3
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75	3.6.1 Adsorption of molecules on MgO. , 0, , 134-150.		0