

Arnold Pã©ter Farkas

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

431
citations

759233

12
h-index

713466

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27
all docs

27
docs citations

27
times ranked

613
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of the adsorption properties of cyclic C6 molecules on h-BN/Rh(111) surface, efforts to cover the boron nitride nanomesh by graphene. <i>Surfaces and Interfaces</i> , 2022, , 102034.	3.0	2
2	A round dance of acetaldehyde molecular ensembles on Rh(111) surface; formation and decomposition of various paraldehyde conformers. <i>Journal of Molecular Structure</i> , 2022, , 133311.	3.6	0
3	The Role of Electronegative and Electropositive Modifiers in the Adsorption and Decomposition of Acetaldehyde on Rh(111) Surface. , 2021, 6, .		0
4	Selective transformation of ethanol to acetaldehyde catalyzed by Au/h-BN interface prepared on Rh(111) surface. <i>Applied Catalysis A: General</i> , 2020, 592, 117440.	4.3	10
5	Auâ€“Rh Surface Structures on Rh(111): DFT Insights into the Formation of an Ordered Surface Alloy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 22435-22447.	3.1	5
6	Effect of Gold on the Adsorption Properties of Acetaldehyde on Clean and h-BN Covered Rh(111) Surface. <i>Topics in Catalysis</i> , 2018, 61, 1247-1256.	2.8	9
7	Tailoring the hexagonal boron nitride nanomesh on Rh(111) with gold. <i>Physical Chemistry Chemical Physics</i> , 2018, 20, 15473-15485.	2.8	17
8	Adsorption, polymerization and decomposition of acetaldehyde on clean and carbon-covered Rh(111) surfaces. <i>Surface Science</i> , 2017, 664, 129-136.	1.9	12
9	The growth and thermal properties of Au deposited on Rh(111): formation of an ordered surface alloy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 25230-25240.	2.8	9
10	Investigation of the adsorption properties of borazine and characterisation of boron nitride on Rh(1 1) Tj ETQq0 0 0 rgBT /Overlock 10 T 6.F 16		
11	Interaction of HNCO with Au(111) surfaces. <i>Surface Science</i> , 2012, 606, 1345-1349.	1.9	4
12	The Adsorption of Oxygen and Coadsorption of CO and Oxygen on Structurally Wellâ€“Defined PdAg Surface Alloys. <i>ChemPhysChem</i> , 2012, 13, 3516-3525.	2.1	9
13	Density Functional Theory Study of Methyl Iodide Adsorption and Dissociation on Clean and K-Promoted \hat{I}^2 -Mo ₂ C Surfaces. <i>Journal of Physical Chemistry C</i> , 2011, 115, 2798-2804.	3.1	15
14	Effects of potassium on the adsorption of methanol on \hat{I}^2 -Mo ₂ C(001) surface. <i>Surface Science</i> , 2010, 604, 914-919.	1.9	26
15	Photolysis of the CO ₂ + K/Au(111) System. <i>Journal of Physical Chemistry C</i> , 2010, 114, 16979-16982.	3.1	6
16	Activation and Reactions of CO ₂ on a K-Promoted Au(111) Surface. <i>Journal of Physical Chemistry C</i> , 2009, 113, 19930-19936.	3.1	40
17	Effects of potassium on the adsorption and dissociation pathways of methanol and ethanol on Mo ₂ C/Mo(100). <i>Surface Science</i> , 2008, 602, 1475-1485.	1.9	22
18	Adsorption and reactions of dimethyl and diethyl ethers on Mo ₂ C/Mo(100). <i>Surface Science</i> , 2008, 602, 1497-1506.	1.9	8

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19	DFT study of methanol adsorption and dissociation on \hat{I}^2 -Mo ₂ C(001). Surface Science, 2008, 602, 2206-2211.	1.9	67
20	Adsorption and Reaction of Methyl and Ethyl Iodide on Potassium-Promoted Mo ₂ C/Mo(100) Surface. Journal of Physical Chemistry C, 2008, 112, 18502-18509.	3.1	2
21	Adsorption and reactions of ethanol on Mo ₂ C/Mo(100). Surface Science, 2007, 601, 193-200.	1.9	29
22	Effects of potassium on the reaction pathways of CH ₂ fragment over Mo ₂ C/Mo(100). Surface Science, 2007, 601, 3736-3739.	1.9	4
23	Effects of potassium on the reaction pathway of C ₃ H ₇ species over Mo ₂ C/Mo (100). Surface Science, 2006, 600, 2355-2363.	1.9	7
24	Surface and Subsurface Oxidation of Mo ₂ C/Mo(100): \hat{A} Low-Energy Ion-Scattering, Auger Electron, Angle-Resolved X-Ray Photoelectron, and Mass Spectroscopy Studies. Journal of Physical Chemistry B, 2005, 109, 4638-4645.	2.6	53
25	Reactivity of Mo ₂ C/Mo(100) toward oxygen: LEIS, AES, and XPS study. Surface Science, 2004, 566-568, 1082-1086.	1.9	13
26	XPS study of multiwall carbon nanotube synthesis on Ni-, V-, and Ni, V-ZSM-5 catalysts. Applied Catalysis A: General, 2004, 260, 55-61.	4.3	44
27	Adsorption geometry of ethyl iodide on clean and oxygen covered Ru(001) surfaces: LEIS, XPS and TDS study. Applied Surface Science, 2003, 218, 330-336.	6.1	2