

Catalysis on Non-Uniform Surfaces

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Citation Report

#	ARTICLE	IF	CITATIONS
1	Kennzeichnung und katalytische Wirkung von Festkörperlupinen. <i>Angewandte Chemie</i> , 1956, 68, 761-776.	2.0	8
2	Study on the Rate and the Products of the Reaction between Uranium Monocarbide and Water. <i>Journal of Nuclear Science and Technology</i> , 1967, 4, 477-481.	1.3	3
3	The role of heterogeneity in the kinetics of a surface reaction III. Distributions in activation enthalpy and entropy. <i>Journal of Catalysis</i> , 1976, 43, 181-191.	6.2	12
4	Gas phase benzene hydrogenation on a nickel-silica catalyst IV. Rate equations and curve fitting. <i>Journal of Catalysis</i> , 1977, 46, 13-24.	6.2	72
5	Effects of interaction and mobility on selectivity of a simple reaction scheme. <i>Journal of Catalysis</i> , 1984, 87, 10-26.	6.2	12
6	Control and Prediction of Selectivity for Reactions Occurring on a Heterogeneous Surface. <i>Studies in Surface Science and Catalysis</i> , 1984, 19, 419-428.	1.5	1
7	Thermodynamic and kinetic constraints on reaction rates among minerals and aqueous solutions. III. Activated complexes and the pH-dependence of the rates of feldspar, pyroxene, wollastonite, and olivine hydrolysis. <i>Geochimica Et Cosmochimica Acta</i> , 1987, 51, 3137-3153.	3.9	146
8	Catalytic investigations with the stopped-flow gas chromatographic reactor. <i>Chemical Engineering Science</i> , 1987, 42, 1797-1803.	3.8	5
9	Characterization of The Surface Fractal Dimension of Evaporated Silver and Gold Films Through Adsorption Isotherm Measurements. <i>Studies in Surface Science and Catalysis</i> , 1991, 62, 217-224.	1.5	0
10	Catalytic reactions and reactors: A surface science approach. <i>Progress in Surface Science</i> , 1991, 37, 1-277.	8.3	20
11	Adsorption isotherm study of the fractal scaling behavior of vapor-deposited silver films. <i>Physical Review E</i> , 1994, 49, 4179-4184.	2.1	40
12	Almost discrete ⁴ -distributed chemical species and reactions. <i>Chemical Engineering Science</i> , 1994, 49, 581-588.	3.8	4
13	Adsorbate surface tension effects for isotherms recorded on fractally rough surfaces. <i>Studies in Surface Science and Catalysis</i> , 1994, , 91-98.	1.5	1
14	The Influence of the Temperature on the Parameters of Extended Freundlich's Isotherm. <i>Journal of Colloid and Interface Science</i> , 1998, 200, 126-130.	9.4	4
15	The Hydrogenation of Acetylene Catalyzed by Palladium: Hydrogen Pressure Dependence. <i>Journal of Catalysis</i> , 1999, 181, 49-56.	6.2	159
16	Contact angle hysteresis generated by the residual gravitational field of the Space Shuttle. <i>Journal of Chemical Physics</i> , 2000, 112, 7195-7202.	3.0	13
17	Applicability of Single-Site Rate Equations for Reactions on Inhomogeneous Surfaces. <i>Industrial & Engineering Chemistry Research</i> , 2004, 43, 1615-1622.	3.7	16
18	Monte Carlo simulations of H ₂ formation on grains of varying surface roughness. <i>Monthly Notices of the Royal Astronomical Society</i> , 2005, 361, 565-576.	4.4	74

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19	Application of atomic force spectroscopy (AFS) to studies of adhesion phenomena: a review. Journal of Adhesion Science and Technology, 2005, 19, 365-405.	2.6	86
22	Theoretical Models for Surface Forces and Adhesion and Their Measurement Using Atomic Force Microscopy. International Journal of Molecular Sciences, 2012, 13, 12773-12856.	4.1	324
23	Single atom catalysts on amorphous supports: A quenched disorder perspective. Journal of Chemical Physics, 2015, 142, 104708.	3.0	53
24	Single-Molecule Kinetics of Styrene Hydrogenation on Silica-Supported Vanadium: The Role of Disorder for Single-Atom Catalysts. Journal of Physical Chemistry C, 2021, 125, 20286-20300.	3.1	10
25	Kinetik der heterogenen Katalyse. , 1957, , 160-411.		8
26	Analysis and Modelling of Multi-Site Acid Catalysts. , 2002, , 217-243.		2
28	Study on the Rate and the Products of the Reaction between Uranium Monocarbide and Water. Journal of Nuclear Science and Technology, 1967, 4, 477-481.	1.3	4
29	Fluorescence Polarization Kinetic Measurements of Antigen-Antibody Reactions. , 1970, , 47-65.		0