

Herbert Vogel

List of Publications by Year in descending order

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19
papers

374
citations

933447

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h-index

839539

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g-index

19
all docs

19
docs citations

19
times ranked

320
citing authors

#	ARTICLE	IF	CITATIONS
1	Heterogeneously catalysed partial oxidation of acrolein to acrylic acid—structure, function and dynamics of the V—Mo—W mixed oxides. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 3577-3589.	2.8	72
2	Quantification of oxygen surface groups on carbon materials via diffuse reflectance FT-IR spectroscopy and temperature programmed desorption. <i>Catalysis Today</i> , 2010, 150, 67-70.	4.4	51
3	Synthesis of Mo/V mixed oxide catalysts via crystallisation and spray drying—a novel approach for controlled preparation of acrolein to acrylic acid catalysts. <i>Applied Catalysis A: General</i> , 2004, 269, 53-61.	4.3	50
4	Aspects of the Safe Storage of Acrylic Monomers: Kinetics of the Oxygen Consumption. <i>Chemical Engineering and Technology</i> , 1998, 21, 829-837.	1.5	29
5	Acrolein Oxidation to Acrylic Acid on Mo/V/W—Mixed Oxide Catalysts. <i>Chemical Engineering and Technology</i> , 2014, 37, 398-408.	1.5	24
6	Characterization of Mo-V-W Mixed Oxide Catalysts by ex situ and in situ X-Ray Absorption Spectroscopy. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2005, 631, 1289-1296.	1.2	22
7	Title is missing!. <i>Catalysis Letters</i> , 1999, 62, 71-78.	2.6	21
8	Characterisation of the structure of adsorbates. <i>Journal of Molecular Catalysis A</i> , 2000, 162, 413-422.	4.8	20
9	The Effect of Water on the Heterogeneously Catalyzed Selective Oxidation of Acrolein: An Isotope Study. <i>ChemCatChem</i> , 2014, 6, 2053-2058.	3.7	19
10	Mechanistic study on —C—O— and —C—C— hydrogenolysis over Cu catalysts: identification of reaction pathways and key intermediates. <i>Catalysis Science and Technology</i> , 2018, 8, 755-767.	4.1	18
11	Dynamics of Bulk Oxygen in the Selective Oxidation of Acrolein. <i>ChemCatChem</i> , 2017, 9, 2390-2398.	3.7	9
12	Concentration-Programmed-Reaction, a Method to Evaluate the Potential of Application of Transient Process Control in Partial Oxidations. <i>Chemical Engineering and Technology</i> , 1999, 22, 747.	1.5	8
13	Simulation of the Kinetics from Isotopic Exchange Experiments on Mo/V/W—Mixed Oxide Catalysts for the Oxidation of Acrolein. <i>Chemie-Ingenieur-Technik</i> , 2011, 83, 1667-1680.	0.8	8
14	Activity Hysteresis during Cyclic Temperature—Programmed Reactions in the Partial Oxidation of Acrolein to Acrylic Acid. <i>Chemical Engineering and Technology</i> , 2017, 40, 2084-2095.	1.5	8
15	Mechanistic Study on the Selective Oxidation of Acrolein to Acrylic Acid: Identification of the Rate—Limiting Step via Perdeuterated Acrolein. <i>ChemCatChem</i> , 2019, 11, 3242-3252.	3.7	8
16	Mechanistic Study on the Selective Oxidation of Acrolein to Acrylic Acid concerning the Role of Water. <i>ChemCatChem</i> , 2020, 12, 3560-3575.	3.7	3
17	The Influence of Solvents on the Partial Oxidation of Cyclohexane. <i>Chemical Engineering and Technology</i> , 1998, 21, 671-678.	1.5	2
18	Investigation of the acrolein oxidation on heteropolyacid catalysts by transient response methods. <i>Catalysis Science and Technology</i> , 2020, 10, 5231-5244.	4.1	2

#	ARTICLE	IF	CITATIONS
19	Degradation Kinetics of Beech Wood and its Components Cellulose, Lignin and D-Xylose at HTC Conditions. Chemie-Ingenieur-Technik, 2019, 91, 1885-1891.	0.8	0