Michael StÃ¶cker

List of Publications by Year
in descending order

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37	5,181	236833	360920
papers	citations	25 h-index	35 g-index

40	40	40	4916
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Methanol-to-hydrocarbons: catalytic materials and their behavior. Microporous and Mesoporous Materials, 1999, 29, 3-48.	2.2	1,341
2	Biofuels and Biomassâ€Toâ€Liquid Fuels in the Biorefinery: Catalytic Conversion of Lignocellulosic Biomass using Porous Materials. Angewandte Chemie - International Edition, 2008, 47, 9200-9211.	7.2	873
3	Composites of micro- and mesoporous materials: simultaneous syntheses of MFI/MCM-41 like phases by a mixed template approach. Microporous and Mesoporous Materials, 1999, 27, 181-192.	2.2	365
4	Evaluation of various types of Al-MCM-41 materials as catalysts in biomass pyrolysis for the production of bio-fuels and chemicals. Fuel, 2006, 85, 2202-2212.	3.4	255
5	In situ catalytic upgrading of biomass derived fast pyrolysis vapours in a fixed bed reactor using mesoporous materials. Microporous and Mesoporous Materials, 2006, 96, 93-101.	2.2	245
6	Catalytic hydrodeoxygenation (HDO) of phenol over supported molybdenum carbide, nitride, phosphide and oxide catalysts. Catalysis Today, 2014, 223, 44-53.	2.2	230
7	Gas phase catalysis by zeolites. Microporous and Mesoporous Materials, 2005, 82, 257-292.	2.2	179
8	Low-Temperature Phase Transition of Water Confined in Mesopores Probed by NMR. Influence on Pore Size Distribution. The Journal of Physical Chemistry, 1996, 100, 2195-2200.	2.9	178
9	MCM-41: a model system for adsorption studies on mesoporous materials. Microporous Materials, 1995, 3, 443-448.	1.6	152
10	Synthesis, characterization and potential applications of new materials in the mesoporous range. Advances in Colloid and Interface Science, 2001, 89-90, 439-466.	7.0	151
11	Mesopore formation in zeolite H-SSZ-13 by desilication with NaOH. Microporous and Mesoporous Materials, 2010, 132, 384-394.	2.2	150
12	Synthesis of a mesoporous MCM-41 material with high levels of tetrahedral aluminium. Journal of the Chemical Society Chemical Communications, 1994, , 1493-1494.	2.0	141
13	Investigation of the effect of metal sites in Meâ€“Al-MCM-41 (Me=Fe, Cu or Zn) on the catalytic behavior during the pyrolysis of wooden based biomass. Microporous and Mesoporous Materials, 2007, 105, 189-203.	2.2	111
14	High-resolution electron microscopy and X-ray diffraction studies of MCM-48. Microporous Materials, 1995, 5, 1-7.	1.6	97
15	Synthesis of Al-Containing MCM-41 Materials: Template Interaction and Removal. Studies in Surface Science and Catalysis, 1994, , 61-68.	1.5	86
16	Water-Saturated Mesoporous MCM-41 Systems Characterized by 1H NMR. The Journal of Physical Chemistry, 1994, 98, 1926-1928.	2.9	82
17	Bio- und BTL-Kraftstoffe in der Bioraffinerie: katalytische Umwandlung Lignocellulose-reicher Biomasse mit porÃ¶sen Stoffen. Angewandte Chemie, 2008, 120, 9340-9351.	1.6	77
18	Pore Structure Characterization of Porous Silica by1H NMR Using Water, Benzene, and Cyclohexane as Probe Molecules. The Journal of Physical Chemistry, 1996, 100, 11396-11401.	2.9	75

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19	Synthesis of a mesoporous MCM-48 material containing only tetrahedral aluminium. Chemical Communications, 1996, , 875-876.	2.2	52
20	Standard reaction of the International Zeolite Association for acidity characterization: Ethylbenzene disproportionation over LaNaY. Microporous and Mesoporous Materials, 2002, 56, 185-192.	2.2	43
21	Self-diffusion coefficient of water confined in mesoporous MCM-41 materials determined by 1H nuclear magnetic resonance spin-echo measurements. Microporous Materials, 1995, 5, 143-150.	1.6	40
22	Synthesis and characterization of siliceous and aluminum-containing mesoporous materials from different surfactant solutions. Microporous and Mesoporous Materials, 1999, 27, 171-180.	2.2	40
23	Isobutane/2-butene alkylation on dealuminated H EMT and H FAU. Catalysis Letters, 1996, 40, 51-58.	1.4	29
24	Quantitative determination of Ni and V in FCC catalysts monitored by ESR spectroscopy. Catalysis Letters, 2000, 69, 223-229.	1.4	26
25	Enhanced Catalyst Performance of Zeolite SSZ-13 in the Methanol to Olefin Reaction after Neutron Irradiation. Journal of Physical Chemistry C, 2011, 115, 6521-6530.	1.5	26
26	Hardwood lignin pyrolysis in the presence of nano-oxide particles embedded onto natural clinoptilolite. Microporous and Mesoporous Materials, 2013, 176, 162-167.	2.2	22
27	Characterisation of a cubic mesoporous MCM-48 compared to a hexagonal MCM-41. Studies in Surface Science and Catalysis, 1995, 97, 149-156.	1.5	18
28	In situ Synthesis of Micro- and Mesoporous Al-MFI / MCM-41 like Phases with High Hydrothermal Stability.. Studies in Surface Science and Catalysis, 2000, 129, 99-106.	1.5	17
29	Characterization of zeolitic materials by solid-state NMR â€" State of the art. Studies in Surface Science and Catalysis, 1996, 102, 141-189.	1.5	14
30	racking of Vacuum Gas Oil on Microporous and Mesoporous Catalyst Systems. Chemical Engineering and Technology, 1998, 21, 401.	0.9	7
31	Catalytic Hydrotreatment of Bio-Oils for High-Quality Fuel Production. , 2013, , 351-396.		7
32	Conversion of Methanol to Light Olefins over Sapo-17 Molecular Sieve. Studies in Surface Science and Catalysis, 1994, 81, 393-398.	1.5	6
33	Cobalt Functionalization of Mesoporous Silica by Incipient Wetness Impregnation and Coâ€precipitation. Journal of Dispersion Science and Technology, 2005, 26, 87-94.	1.3	5
34	Synthesis and Characterization of the Titanium Containing Mesoporous Molecular Sieve MCM-48. Journal of Dispersion Science and Technology, 2000, 21, 229-243.	1.3	3
35	Synthesis and Characterization of the Titanium Containing Mesoporous Molecular Sieve MCM-48. Journal of Dispersion Science and Technology, 2000, 21, 49-63.	1.3	3
36	Reactions of C1 Building Blocks. , 2009, , 251-274.		2

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37	GELATION KINETICS OF POLYMERS CONFINED IN WATER/ OIL-SATURATED POROUS MATERIALS PROBED BY NMR. Journal of Dispersion Science and Technology, 1999, 20, 723-741.	1.3	1