Petr Sazama

List of Publications by Year
in descending order

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24	992	430874	642732
papers	citations	18 h-index	23 g-index

24	24	24	1292
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Controlling the competitive growth of zeolite phases without using an organic structure-directing agent. Synthesis of Al-rich *BEA. Microporous and Mesoporous Materials, 2022, 333, 111726.	4.4	3
2	Proximity Effect on the Reactivity of Dioxygen Activated over Distant Binuclear Fe Sites in Zeolite Matrices. Journal of Physical Chemistry C, 2022, 126, 4854-4861.	3.1	0
3	Analysis of decisive structural parameters of zeolites for alkylation of benzene with ethylene. Applied Catalysis A: General, 2020, 591, 117379.	4.3	17
4	Effect of the Nuclearity and Coordination of Cu and Fe Sites in Î² Zeolites on the Oxidation of Hydrocarbons. ACS Catalysis, 2020, 10, 3984-4002.	11.2	38
5	Structural stability of metal containing ferrierite under the conditions of HT-N2O decomposition. Microporous and Mesoporous Materials, 2019, 281, 15-22.	4.4	3
6	CO2 capture using three-dimensionally ordered micromesoporous carbon. Journal of CO2 Utilization, 2019, 31, 124-134.	6.8	26
7	Al Organization in the SSZ-13 Zeolite. Al Distribution and Extraframework Sites of Divalent Cations. Journal of Physical Chemistry C, 2019, 123, 7968-7987.	3.1	63
8	FeO_x/Al₂O₃ catalysts for high-temperature decomposition of N₂O under conditions of NH₃ oxidation in nitric acid production. Catalysis Science and Technology, 2018, 8, 2841-2852.	4.1	7
9	Catalytic Properties of 3D Graphene-Like Microporous Carbons Synthesized in a Zeolite Template. ACS Catalysis, 2018, 8, 1779-1789.	11.2	40
10	Tailoring the structure and acid site accessibility of mordenite zeolite for hydroisomerisation of n-hexane. Applied Catalysis A: General, 2018, 562, 159-172.	4.3	19
11	Does hierarchical structure affect the shape selectivity of zeolites? Example of transformation of n-hexane in hydroisomerization. Journal of Catalysis, 2018, 364, 262-270.	6.2	49
12	Superior activity of non-interacting close acidic protons in Al-rich Pt/H-*BEA zeolite in isomerization of n-hexane. Applied Catalysis A: General, 2017, 533, 28-37.	4.3	31
13	TNUâ€9 Zeolite: Aluminum Distribution and Extraâ€Framework Sites of Divalent Cations. Chemistry - A European Journal, 2017, 23, 8857-8870.	3.3	15
14	Effect of Enhanced Accessibility of Acid Sites in Micromesoporous Mordenite Zeolites on Hydroisomerization of n-Hexane. ACS Catalysis, 2017, 7, 5781-5795.	11.2	69
15	Al-rich beta zeolites. Distribution of Al atoms in the framework and related protonic and metal-ion species. Journal of Catalysis, 2016, 333, 102-114.	6.2	86
16	Remarkably enhanced density and specific activity of active sites in Al-rich Cu-, Fe- and Co-beta zeolites for selective catalytic reduction of NOx. Applied Catalysis B: Environmental, 2016, 189, 65-74.	20.2	37
17	Structure of Framework Aluminum Lewis Sites and Perturbed Aluminum Atoms in Zeolites as Determined by ²⁷Al{¹H} REDOR (3Q) MAS NMR Spectroscopy and DFT/Molecular Mechanics. Angewandte Chemie - International Edition, 2015, 54, 541-545.	13.8	73
18	Tailoring of the structure of Fe-cationic species in Fe-ZSM-5 by distribution of Al atoms in the framework for N2O decomposition and NH3-SCR-NOx. Journal of Catalysis, 2014, 312, 123-138.	6.2	99

#	Article	IF	Citations
19	Acid and redox activity of template-free Al-rich H-BEA* and Fe-BEA* zeolites. Journal of Catalysis, 2014, 318, 22-33.	6.2	50
20	Structure and critical function of Fe and acid sites in Fe-ZSM-5 in propane oxidative dehydrogenation with N2O and N2O decomposition. Journal of Catalysis, 2013, 299, 188-203.	6.2	77
21	Enhancement of Activity and Selectivity in Acidâ€Catalyzed Reactions by Dealuminated Hierarchical Zeolites. Angewandte Chemie - International Edition, 2013, 52, 2038-2041.	13.8	59
22	Complex Analysis of the Aluminum Siting in the Framework of Silicon-Rich Zeolites. A Case Study on Ferrierites. Journal of Physical Chemistry C, 2011, 115, 11056-11064.	3.1	90
23	Ag-ZSM-5 zeolite as high-temperature water-vapor sensor material. Materials Letters, 2008, 62, 4239-4241.	2.6	19
24	Selective catalytic reduction of NOx by hydrocarbons enhanced by hydrogen peroxide over silver/alumina catalysts. Chemical Communications, 2005, , 4810.	4.1	22