Konstantin A Dubkov

List of Publications by Year
in descending order

44	1,519	430754 18	315616 38
papers	citations	h-index	g-index

47	47	47	1249
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Evolution of Iron States and Formation of Î±-Sites upon Activation of FeZSM-5 Zeolites. Journal of Catalysis, 2002, 207, 341-352.	3.1	337
2	Active oxygen in selective oxidation catalysis. Catalysis Today, 2006, 117, 148-155.	2.2	228
3	Selective oxidation of methane to methanol on a FeZSM-5 surface. Catalysis Today, 1995, 24, 251-252.	2.2	179
4	Kinetic isotope effects and mechanism of biomimetic oxidation of methane and benzene on FeZSM-5 zeolite. Journal of Molecular Catalysis A, 1997, 123, 155-161.	4.8	155
5	Title is missing!. Reaction Kinetics and Catalysis Letters, 2002, 77, 197-205.	0.6	59
6	New insights into the mechanism of interaction between CO₂ and polymers from thermodynamic parameters obtained by in situ ATR-FTIR spectroscopy. Physical Chemistry Chemical Physics, 2016, 18, 6465-6475.	1.3	41
7	Biomimetic oxidation on Fe complexes in zeolites. Studies in Surface Science and Catalysis, 1996, , 493-502.	1.5	38
8	Reclamation of waste tyre rubber with nitrous oxide. Polymer Degradation and Stability, 2012, 97, 1123-1130.	2.7	37
9	Room-temperature oxidation of hydrocarbons over FeZSM-5 zeolite. Studies in Surface Science and Catalysis, 2000, , 875-880.	1.5	33
10	Title is missing!. Reaction Kinetics and Catalysis Letters, 2002, 76, 401-406.	0.6	29
11	Stoichiometry of Oxidation Reactions Involving Î±-Oxygen on FeZSM-5 Zeolite. Kinetics and Catalysis, 2001, 42, 205-211.	0.3	28
12	New reaction for the preparation of liquid rubber. Journal of Polymer Science Part A, 2006, 44, 2510-2520.	2.5	28
13	The Fe Active Sites in FeZSM-5 Catalyst for Selective Oxidation of CH4 to CH3OH at Room Temperature. Journal of Radioanalytical and Nuclear Chemistry, 2000, 246, 149-152.	0.7	27
14	Liquid-phase noncatalytic butene oxidation with nitrous oxide. Russian Chemical Bulletin, 2005, 54, 948-956.	0.4	25
15	How Do Intermolecular Interactions Affect Swelling of Polyketones with a Differing Number of Carbonyl Groups? An In Situ ATR-FTIR Spectroscopic Study of CO₂ Sorption in Polymers. Journal of Physical Chemistry C, 2015, 119, 431-440.	1.5	24
16	Spin design of iron complexes on Fe-ZSM-5 zeolites. Catalysis Today, 2005, 110, 247-254.	2.2	22
17	Direct ESR detection of S=3/2 states for nitrosyl iron complexes in FeZSM-5 zeolites. Chemical Physics Letters, 2001, 333, 41-44.	1.2	21
18	Mechanism of the Low-Temperature Interaction of Hydrogen with Â-Oxygen on FeZSM-5 Zeolite. Kinetics and Catalysis, 2004, 45, 202-208.	0.3	21

#	Article	IF	Citations
19	Nitrous oxide as a selective oxidant for ketonization of C=C double bonds in organic compounds. Russian Chemical Reviews, 2017, 86, 510-529.	2.5	19
20	Surface complexes formed in V2O5-TiO2-SiO2 catalysts according to 51V and 1H high-resolution solid-state NMR data. Journal of Molecular Catalysis, 1994, 87, 57-66.	1.2	18
21	Synthesis of functionalized liquid rubbers from polyisoprene. Journal of Applied Polymer Science, 2009, 114, 1241-1249.	1.3	18
22	Ketonization of a nitrile-butadiene rubber by nitrous oxide: Comparison with the ketonization of other type diene rubbers. European Polymer Journal, 2009, 45, 3355-3362.	2.6	16
23	Scrap tyre rubber depolymerization by nitrous oxide: products and mechanism of reaction. Iranian Polymer Journal (English Edition), 2014, 23, 881-890.	1.3	16
24	Ketonization of 1,5â€Cyclooctadiene by Nitrous Oxide. Advanced Synthesis and Catalysis, 2009, 351, 1905-1911.	2.1	15
25	Effect of cis / trans isomerism on selective oxidation of olefins with nitrous oxide. Tetrahedron, 2016, 72, 2501-2506.	1.0	7
26	Identification of Active Oxygen Species over Fe Complexes in Zeolites. , 2001, , 149-163.		7
27	Generation of methylene by the liquid phase oxidation of isobutene with nitrous oxide. Tetrahedron, 2018, 74, 3589-3595.	1.0	6
28	High-temperature carboxidation of cyclopentene with nitrous oxide. Kinetics and Catalysis, 2007, 48, 376-380.	0.3	5
29	New methods for the preparation of high-octane components from catalytic cracking olefins. Catalysis in Industry, 2017, 9, 204-211.	0.3	5
30	Reducing the Olefin Content in Light Fluid Catalytic Cracking Gasoline by Treatment with Nitrous Oxide. Industrial & Engineering Chemistry Research, 2021, 60, 12783-12791.	1.8	5
31	A Study of the Properties of Unsaturated Polyketone as a Representative of New-Type Reactive Oligomers for the Development of an Adhesive Composition on Its Basis. Polymer Science - Series D, 2018, 11, 215-224.	0.2	4
32	Gas-Phase Oxidation of a Propaneâ€“Propylene Mixture by Nitrous Oxide. Industrial & Engineering Chemistry Research, 2020, 59, 14157-14162.	1.8	3
33	Gas-Phase Selective Oxidation of Butenes in the C4 Fraction by Nitrous Oxide. Industrial & Engineering Chemistry Research, 0, , .	1.8	3
34	Reaction of the oxygen radical anion Oâ˙ with water on the FeZSM-5 zeolite surface. Kinetics and Catalysis, 2008, 49, 156-157.	0.3	2
35	Modification of the organic matter of brown coals with nitrous oxide. Solid Fuel Chemistry, 2012, 46, 159-163.	0.2	2
36	Isomerization of 1-Butene to 2-Butenes in the Presence of Acid-Base Catalysts. Russian Journal of Applied Chemistry, 2019, 92, 924-932.	0.1	2

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37	Liquid-phase hydroamination of cyclohexanone. Russian Chemical Bulletin, 2010, 59, 1896-1901.	0.4	1
38	New type of liquid rubber and compositions based on it. Environmental Science and Pollution Research, 2014, 21, 12163-12169.	2.7	1
39	Preparing High-Octane Motor Fuel Components via the Oxidation of an Industrial Isobutane Fraction. Catalysis in Industry, 2019, 11, 313-322.	0.3	1
40	Modification of Compounds Based on Ethyleneâ€“Propyleneâ€“Diene Rubbers Using an Oligomeric Unsaturated Polyketone. Russian Journal of Applied Chemistry, 2020, 93, 197-203.	0.1	1
41	Investigating the Properties of Unsaturated Polyketone with Different Oxygen Content. Polymer Science - Series D, 2020, 13, 85-88.	0.2	1
42	Interaction of Nylon Cord with a Polymerâ€”Oligomerâ€”Solvent System. Fibre Chemistry, 2014, 46, 250-253.	0.0	0
43	Use of carbonâ€“oligomer filler prepared from rubbers reclaimed with dinitrogen monoxide as a component of elastomer compounds. Russian Journal of Applied Chemistry, 2017, 90, 582-587.	0.1	0
44	Influence of oligomeric unsaturated polyketone on the vulcanization of elastomeric compositions in the presence of sulfenamide C. Russian Chemical Bulletin, 2020, 69, 2171-2176.	0.4	0