

# Konstantin A Dubkov

## List of Publications by Year in descending order

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44  
papers

1,519  
citations

430442

18  
h-index

315357

38  
g-index

47  
all docs

47  
docs citations

47  
times ranked

1249  
citing authors

#	ARTICLE	IF	CITATIONS
1	Reducing the Olefin Content in Light Fluid Catalytic Cracking Gasoline by Treatment with Nitrous Oxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2021, 60, 12783-12791.	1.8	5
2	Influence of oligomeric unsaturated polyketone on the vulcanization of elastomeric compositions in the presence of sulfenamide C. <i>Russian Chemical Bulletin</i> , 2020, 69, 2171-2176.	0.4	0
3	Gas-Phase Oxidation of a Propane&Propylene Mixture by Nitrous Oxide. <i>Industrial &amp; Engineering Chemistry Research</i> , 2020, 59, 14157-14162.	1.8	3
4	Modification of Compounds Based on Ethylene&Propylene&Diene Rubbers Using an Oligomeric Unsaturated Polyketone. <i>Russian Journal of Applied Chemistry</i> , 2020, 93, 197-203.	0.1	1
5	Investigating the Properties of Unsaturated Polyketone with Different Oxygen Content. <i>Polymer Science - Series D</i> , 2020, 13, 85-88.	0.2	1
6	Isomerization of 1-Butene to 2-Butenes in the Presence of Acid-Base Catalysts. <i>Russian Journal of Applied Chemistry</i> , 2019, 92, 924-932.	0.1	2
7	Preparing High-Octane Motor Fuel Components via the Oxidation of an Industrial Isobutane Fraction. <i>Catalysis in Industry</i> , 2019, 11, 313-322.	0.3	1
8	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. <i>Polymer Science - Series D</i> , 2018, 11, 215-224.	0.2	4
9	Generation of methylene by the liquid phase oxidation of isobutene with nitrous oxide. <i>Tetrahedron</i> , 2018, 74, 3589-3595.	1.0	6
10	Use of carbon&oligomer filler prepared from rubbers reclaimed with dinitrogen monoxide as a component of elastomer compounds. <i>Russian Journal of Applied Chemistry</i> , 2017, 90, 582-587.	0.1	0
11	New methods for the preparation of high-octane components from catalytic cracking olefins. <i>Catalysis in Industry</i> , 2017, 9, 204-211.	0.3	5
12	Nitrous oxide as a selective oxidant for ketonization of C=C double bonds in organic compounds. <i>Russian Chemical Reviews</i> , 2017, 86, 510-529.	2.5	19
13	Effect of cis / trans isomerism on selective oxidation of olefins with nitrous oxide. <i>Tetrahedron</i> , 2016, 72, 2501-2506.	1.0	7
14	New insights into the mechanism of interaction between CO <sub>2</sub> and polymers from thermodynamic parameters obtained by in situ ATR-FTIR spectroscopy. <i>Physical Chemistry Chemical Physics</i> , 2016, 18, 6465-6475.	1.3	41
15	How Do Intermolecular Interactions Affect Swelling of Polyketones with a Differing Number of Carbonyl Groups? An In Situ ATR-FTIR Spectroscopic Study of CO <sub>2</sub> Sorption in Polymers. <i>Journal of Physical Chemistry C</i> , 2015, 119, 431-440.	1.5	24
16	Scrap tyre rubber depolymerization by nitrous oxide: products and mechanism of reaction. <i>Iranian Polymer Journal (English Edition)</i> , 2014, 23, 881-890.	1.3	16
17	Interaction of Nylon Cord with a Polymer&Oligomer&Solvent System. <i>Fibre Chemistry</i> , 2014, 46, 250-253.	0.0	0
18	New type of liquid rubber and compositions based on it. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12163-12169.	2.7	1

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19	Reclamation of waste tyre rubber with nitrous oxide. <i>Polymer Degradation and Stability</i> , 2012, 97, 1123-1130.	2.7	37
20	Modification of the organic matter of brown coals with nitrous oxide. <i>Solid Fuel Chemistry</i> , 2012, 46, 159-163.	0.2	2
21	Liquid-phase hydroamination of cyclohexanone. <i>Russian Chemical Bulletin</i> , 2010, 59, 1896-1901.	0.4	1
22	Ketonization of 1,5-cyclooctadiene by Nitrous Oxide. <i>Advanced Synthesis and Catalysis</i> , 2009, 351, 1905-1911.	2.1	15
23	Synthesis of functionalized liquid rubbers from polyisoprene. <i>Journal of Applied Polymer Science</i> , 2009, 114, 1241-1249.	1.3	18
24	Ketonization of a nitrile-butadiene rubber by nitrous oxide: Comparison with the ketonization of other type diene rubbers. <i>European Polymer Journal</i> , 2009, 45, 3355-3362.	2.6	16
25	Reaction of the oxygen radical anion $O_2^{\cdot-}$ with water on the FeZSM-5 zeolite surface. <i>Kinetics and Catalysis</i> , 2008, 49, 156-157.	0.3	2
26	High-temperature carboxidation of cyclopentene with nitrous oxide. <i>Kinetics and Catalysis</i> , 2007, 48, 376-380.	0.3	5
27	New reaction for the preparation of liquid rubber. <i>Journal of Polymer Science Part A</i> , 2006, 44, 2510-2520.	2.5	28
28	Active oxygen in selective oxidation catalysis. <i>Catalysis Today</i> , 2006, 117, 148-155.	2.2	228
29	Spin design of iron complexes on Fe-ZSM-5 zeolites. <i>Catalysis Today</i> , 2005, 110, 247-254.	2.2	22
30	Liquid-phase noncatalytic butene oxidation with nitrous oxide. <i>Russian Chemical Bulletin</i> , 2005, 54, 948-956.	0.4	25
31	Mechanism of the Low-Temperature Interaction of Hydrogen with $\hat{A}$ -Oxygen on FeZSM-5 Zeolite. <i>Kinetics and Catalysis</i> , 2004, 45, 202-208.	0.3	21
32	Evolution of Iron States and Formation of $\hat{I}\pm$ -Sites upon Activation of FeZSM-5 Zeolites. <i>Journal of Catalysis</i> , 2002, 207, 341-352.	3.1	337
33	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2002, 76, 401-406.	0.6	29
34	Title is missing!. <i>Reaction Kinetics and Catalysis Letters</i> , 2002, 77, 197-205.	0.6	59
35	Stoichiometry of Oxidation Reactions Involving $\hat{I}\pm$ -Oxygen on FeZSM-5 Zeolite. <i>Kinetics and Catalysis</i> , 2001, 42, 205-211.	0.3	28
36	Direct ESR detection of $S=3/2$ states for nitrosyl iron complexes in FeZSM-5 zeolites. <i>Chemical Physics Letters</i> , 2001, 333, 41-44.	1.2	21

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37	Identification of Active Oxygen Species over Fe Complexes in Zeolites. , 2001, , 149-163.		7
38	The Fe Active Sites in FeZSM-5 Catalyst for Selective Oxidation of CH <sub>4</sub> to CH <sub>3</sub> OH at Room Temperature. Journal of Radioanalytical and Nuclear Chemistry, 2000, 246, 149-152.	0.7	27
39	Room-temperature oxidation of hydrocarbons over FeZSM-5 zeolite. Studies in Surface Science and Catalysis, 2000, , 875-880.	1.5	33
40	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
41	Biomimetic oxidation on Fe complexes in zeolites. Studies in Surface Science and Catalysis, 1996, , 493-502.	1.5	38
42	Selective oxidation of methane to methanol on a FeZSM-5 surface. Catalysis Today, 1995, 24, 251-252.	2.2	179
43	Surface complexes formed in V <sub>2</sub> O <sub>5</sub> -TiO <sub>2</sub> -SiO <sub>2</sub> catalysts according to 51V and 1H high-resolution solid-state NMR data. Journal of Molecular Catalysis, 1994, 87, 57-66.	1.2	18
44	Gas-Phase Selective Oxidation of Butenes in the C <sub>4</sub> Fraction by Nitrous Oxide. Industrial & Engineering Chemistry Research, 0, , .	1.8	3