Olga B Lapina

List of Publications by Year
in descending order

95	1,512	257101 24	395343 33
papers	citations	h-index	g-index

96	96	96	1496
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	93Nb NMR chemical shift scale for niobia systems. Solid State Nuclear Magnetic Resonance, 2005, 28, 204-224.	1.5	69
2	95Mo Magic Angle Spinning NMR at High Field:Â Improved Measurements and Structural Analysis of the Quadrupole Interaction in Monomolybdates and Isopolymolybdates. Journal of Physical Chemistry B, 2005, 109, 14033-14042.	1.2	54
3	Characterization of V2O5â^'TiO2 Catalysts Prepared by Milling by ESR and Solid State 1H and 51V NMR. Journal of Physical Chemistry B, 1999, 103, 7599-7606.	1.2	51
4	Antimony Oxide-Modified Vanadia-Based CatalystsPhysical Characterization and Catalytic Properties. Journal of Physical Chemistry B, 2001, 105, 10772-10783.	1.2	49
5	Theoretical and experimental insights into applicability of solid-state 93Nb NMR in catalysis. Physical Chemistry Chemical Physics, 2013, 15, 5115.	1.3	48
6	Effect of potassium doping on the structural and catalytic properties of V/Ti-oxide in selective toluene oxidation. Applied Catalysis A: General, 2000, 202, 243-250.	2.2	45
7	Magnetic and dielectric properties of carbon nanotubes with embedded cobalt nanoparticles. Carbon, 2017, 114, 39-49.	5.4	45
8	Mechanism of sulphur dioxide oxidation over supported vanadium catalysts. Faraday Discussions of the Chemical Society, 1989, 87, 133.	2.2	43
9	Mechanochemical Synthesis of SiO₄^{4â€“}â€Substituted Hydroxyapatite, Part II â€“ Reaction Mechanism, Structure, and Substitution Limit. European Journal of Inorganic Chemistry, 2014, 2014, 4810-4825.	1.0	40
10	Thermal stability and hcpâ€“fcc allotropic transformation in supported Co metal catalysts probed near operando by ferromagnetic NMR. Physical Chemistry Chemical Physics, 2015, 17, 14598-14604.	1.3	39
11	51V-NMR spectra of vanadates and oxosulfato-vanadates of alkali metals. Reaction Kinetics and Catalysis Letters, 1984, 24, 119-125.	0.6	37
12	Effect of Milling of V2O5on the Local Environment of Vanadium as Studied by Solid-State51V NMR and Complementary Methods. Journal of Physical Chemistry B, 1999, 103, 3138-3144.	1.2	36
13	The impact of Si/Al ratio on properties of aluminosilicate aerogels. Microporous and Mesoporous Materials, 2017, 251, 105-113.	2.2	33
14	Phase evolution during early stages of mechanical alloying of Cuâ€“13 wt.% Al powder mixtures in a high-energy ball mill. Journal of Alloys and Compounds, 2015, 629, 343-350.	2.8	32
15	Internal field 59Co NMR study of cobalt-iron nanoparticles during the activation of CoFe2/CaO catalyst for carbon nanotube synthesis. Journal of Catalysis, 2018, 358, 62-70.	3.1	31
16	Conductivity, NMR Measurements, and Phase Diagram of the K2S2O7â^'V2O5System. Journal of Physical Chemistry B, 1998, 102, 24-28.	1.2	29
17	129Xe NMR study of Xe adsorption on multiwall carbon nanotubes. Solid State Nuclear Magnetic Resonance, 2005, 28, 135-141.	1.5	29
18	Co metal nanoparticles deposition inside or outside multi-walled carbon nanotubes via facile support pretreatment. Applied Surface Science, 2018, 456, 657-665.	3.1	29

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19	Catalysts Based on Fiberglass Supports: I. Physicochemical Properties of Silica Fiberglass Supports. Kinetics and Catalysis, 2001, 42, 693-702.	0.3	28
20	Co/multi-walled carbon nanotubes/polyethylene composites for microwave absorption: Tuning the effectiveness of electromagnetic shielding by varying the components ratio. Composites Science and Technology, 2021, 207, 108731.	3.8	27
21	HDO of Methyl Palmitate over Silica-Supported Ni Phosphides: Insight into Ni/P Effect. Catalysts, 2017, 7, 298.	1.6	26
22	1H, 51V and 15N nuclear magnetic resonance studies of structure and properties of vanadia supported on. Solid State Nuclear Magnetic Resonance, 1995, 4, 369-379.	1.5	25
23	129Xe NMR investigation of catalytic filamentous carbon. Microporous and Mesoporous Materials, 2005, 81, 41-48.	2.2	24
24	Support Effect on the Performance of Ni2P Catalysts in the Hydrodeoxygenation of Methyl Palmitate. Catalysts, 2018, 8, 515.	1.6	24
25	Characterization of silica-supported vanadia-promoted rhodium catalysts by51V-NMR spectroscopy. Catalysis Letters, 1992, 13, 203-211.	1.4	23
26	Effect of precursor on the catalytic properties of Ni₂P/SiO₂ in methyl palmitate hydrodeoxygenation. RSC Advances, 2016, 6, 30372-30383.	1.7	23
27	Formation of vanadia-titania oxide catalysts. Kinetics and Catalysis, 2000, 41, 572-583.	0.3	20
28	Multinuclear NMR study of silica fiberglass modified with zirconia. Solid State Nuclear Magnetic Resonance, 2011, 39, 47-57.	1.5	20
29	Alâ€Doped Apatiteâ€Type Nanocrystalline Lanthanum Silicates Prepared by Mechanochemical Synthesis: Phase, Structural and Microstructural Study. European Journal of Inorganic Chemistry, 2008, 2008, 939-947.	1.0	19
30	Stabilizing effect of the carbon shell on phase transformation of the nanocrystalline alumina particles. Ceramics International, 2018, 44, 4801-4806.	2.3	19
31	Molecular design and characterization of catalysts for NO x selective reduction by hydrocarbons in the oxygen excess based upon ultramicroporous zirconia pillared clays. Topics in Catalysis, 2005, 32, 29-38.	1.3	18
32	17O and51V NMR studies of complex formation in K2S2O7Â·nV2O5 during catalytic oxidation of SO2. Reaction Kinetics and Catalysis Letters, 1984, 26, 431-436.	0.6	17
33	Sodium-modified V2O5â€“TiO2 catalysts: 23Na and 51V solid-state NMR study. Physical Chemistry Chemical Physics, 2000, 2, 2441-2448.	1.3	17
34	Ammoxidation of ethane on V-Mo-Nb oxide catalysts. Reaction Kinetics and Catalysis Letters, 2006, 87, 377-386.	0.6	17
35	Modern ssNMR for heterogeneous catalysis. Catalysis Today, 2017, 285, 179-193.	2.2	17
36	51V NMR Study of VOCl3Immobilized on the SiO2and MgCl2Surface. Kinetics and Catalysis, 2001, 42, 553-560.	0.3	16

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37	129Xe Nuclear Magnetic Resonance Study of Pitch-Based Activated Carbon Modified by Air Oxidation/Pyrolysis Cycles:â€‰ A New Approach to Probe the Micropore Size. Journal of Physical Chemistry B, 2006, 110, 3055-3060.	1.2	16
38	Structural and reactive relevance of V+NbV+Nb coverage on alumina of VNbO/Al2O3 catalytic systems. Journal of Catalysis, 2008, 255, 94-103.	3.1	16
39	Precursor Effect on the Molecular Structure, Reactivity, and Stability of Alumina-Supported Vanadia. Journal of Physical Chemistry C, 2009, 113, 20648-20656.	1.5	16
40	A New Insight into Cobalt Metal Powder Internal Field 59Co NMR Spectra. Applied Magnetic Resonance, 2014, 45, 1009-1017.	0.6	15
41	51V-,29Si- and27Al-NMR studies of the interaction of active component of vanadium catalysts for SO2 oxidation with supports. Reaction Kinetics and Catalysis Letters, 1984, 24, 127-131.	0.6	14
42	High-Temperature NMR Studies of the Glassâ^'Crystal Transition in the Cs2S2O7â^'V2O5System. Journal of Physical Chemistry B, 1997, 101, 9188-9194.	1.2	14
43	EFfect of alumina modification on the structure of cobalt-containing Fischer-Tropsch synthesis catalysts according to internal-field 59Co NMR data. Journal of Structural Chemistry, 2013, 54, 102-110.	0.3	13
44	Surface Hydroxyl OH Defects of Î·-Al₂O₃ and Ï‡-Al₂O₃ by Solid State NMR, XRD, and DFT Calculations. Zeitschrift Fur Physikalische Chemie, 2017, 231, 809-825.	1.4	13
45	1H and 29Si-MAS NMR characterization of silicate fiberglass supports. Physical Chemistry Chemical Physics, 2003, 5, 2686.	1.3	12
46	Structure of Glasses in the Na2SO4â€“P2O5â€“H2O System. Glass Physics and Chemistry, 2002, 28, 1-4.	0.2	11
47	Theoretical and Experimental Studies of the Nature of the Catalytic Activity of VO x /TiO2 Systems. Kinetics and Catalysis, 2003, 44, 710-717.	0.3	11
48	Thermal, Conductivity, NMR, and Raman Spectroscopic Measurements and Phase Diagram of the Cs2S2O7â^'CsHSO4 System. Journal of Physical Chemistry B, 2003, 107, 13823-13830.	1.2	10
49	Is 129Xe NMR a useful technique for probing the pore structure and surface properties of carbonaceous solids?. Microporous and Mesoporous Materials, 2007, 105, 118-123.	2.2	10
50	Effect of Impregnation on the Structure of Niobium Oxide/Alumina Catalysts Studied by Multinuclear Solid-State NMR, FTIR, and Quantum Chemical Calculations. Journal of Physical Chemistry C, 2015, 119, 10400-10411.	1.5	10
51	Superparamagnetic behaviour of metallic Co nanoparticles according to variable temperature magnetic resonance. Physical Chemistry Chemical Physics, 2021, 23, 2723-2730.	1.3	10
52	Structure of Carbon-Coated C12A7 Electride via Solid-State NMR and DFT Calculations. Journal of Physical Chemistry C, 2017, 121, 22268-22273.	1.5	9
53	Evolution of bulk and surface structures in stoichiometric LaAlO3 mixed oxide prepared by using starch as template. Materials Chemistry and Physics, 2018, 207, 423-434.	2.0	9
54	NMR studies of ethylene adsorption on supported zirconium catalysts for polymerization of olefins. Reaction Kinetics and Catalysis Letters, 1982, 19, 175-179.	0.6	8

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55	Ammoxidation of methylpyrazine over binary oxide systems: IV. A vanadiaâ€"titania system. Kinetics and Catalysis, 2000, 41, 670-678.	0.3	8
56	Characterization of V2O5-AlPO4 catalysts by 51V and 1H magic-angle spinning solid-state nuclear magnetic resonance spectroscopy. Solid State Nuclear Magnetic Resonance, 1995, 4, 59-64.	1.5	7
57	Solid-state 51V NMR and its potentiality in investigation of vanadia systems with paramagnetic centres. Catalysis Today, 2009, 142, 220-226.	2.2	7
58	Mechanochemical synthesis of Î³-LiAlO2 studied by 6Li and 27Al NMR and synchrotron X-Ray diffraction. Inorganic Materials, 2011, 47, 763-767.	0.2	7
59	Design of Al₂O₃/CoAlO/CoAl Porous Ceramometal for Multiple Applications as Catalytic Supports. Advanced Materials Research, 0, 702, 79-87.	0.3	7
60	Solid-state NMR and computational insights into the crystal structure of silicocarnotite-based bioceramic materials synthesized mechanochemically. Solid State Nuclear Magnetic Resonance, 2017, 84, 151-157.	1.5	7
61	Pyrolysis of the Cellulose Fraction of Biomass in the Presence of Solid Acid Catalysts: An Operando Spectroscopy and Theoretical Investigation. ChemSusChem, 2018, 11, 4044-4059.	3.6	7
62	Crystal structure and migration paths of alkaline ions in NaVPO₄F. Physical Chemistry Chemical Physics, 2020, 22, 15876-15884.	1.3	7
63	Title is missing!. Kinetics and Catalysis, 2001, 42, 828-836.	0.3	6
64	Methylpyrazine Ammoxidation over Binary Oxide Systems: V. Effect of Phosphorus Additives on the Physicochemical and Catalytic Properties of a Vanadiumâ€"Titanium Catalyst in Methylpyrazine Ammoxidation. Kinetics and Catalysis, 2004, 45, 104-113.	0.3	6
65	129Xe NMR spectroscopy of adsorbed xenon: Possibilites for exploration of microporous carbon materials. Russian Journal of General Chemistry, 2008, 78, 2171-2181.	0.3	6
66	Potential of 129Xe NMR spectroscopy of adsorbed xenon for testing the chemical state of the surface of mesoporous carbon materials illustrated by the example of aggregates of diamond and onion-like carbon nanoparticles. Kinetics and Catalysis, 2009, 50, 26-30.	0.3	6
67	Effect of carbon coating on the thermal stability of nanocrystalline Ï‡-Al2O3. Materials Chemistry and Physics, 2020, 240, 122135.	2.0	6
68	Effect of type and content of alkaline promoters on the properties of vanadium catalysts for SO2 oxidation. Reaction Kinetics and Catalysis Letters, 1983, 22, 59-62.	0.6	5
69	Ammoxidation of methylpyrazine over vanadium-titanium catalysts modified by alkali additives. Reaction Kinetics and Catalysis Letters, 2003, 78, 355-363.	0.6	5
70	129Xe NMR study of the localization of PdCl2 supported on carbon nanotubes. Reaction Kinetics and Catalysis Letters, 2007, 90, 355-364.	0.6	5
71	Structure and Transport Properties of Doped Apatite-type Lanthanum Silicates Prepared via Mechanochemical Route. ECS Transactions, 2009, 25, 1791-1800.	0.3	5
72	The structure of zirconium-silicate fiberglasses and Pt-containing fiberglass catalysts as revealed by solid-state NMR spectroscopy. Journal of Structural Chemistry, 2013, 54, 152-167.	0.3	5

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73	Structure of Ð¡@Al2O by multinuclear solid-state NMR spectroscopy. Journal of Structural Chemistry, 2016, 57, 354-360.	0.3	5
74	Ceramic matrix composites prepared from CoAl powders. Journal of Materials Science, 2016, 51, 10487-10498.	1.7	5
75	51V NMR studies of a system vanadium pentoxide-potassium pyrosulfate. Reaction Kinetics and Catalysis Letters, 1980, 14, 317-322.	0.6	4
76	Study of the V2O5-Al2O3 interaction during ultra-high intensity grinding. Catalysis Letters, 1992, 13, 261-266.	1.4	4
77	Mechanochemical Synthesis and Structure of New Phases in the Pbâ€“Vâ€“O System. Inorganic Materials, 2001, 37, 264-270.	0.2	4
78	Synthesis Of Alumina Through Hydrothermal Oxidation Of Aluminum Powder Conjugated With Surfactant-Directed Oriented Growth. Materials Research Innovations, 2005, 9, 69-71.	1.0	4
79	1H and 93Nb Solid-State NMR and IR Study of Acidity of Nanodisperse Nb2O5Â·nH2O. Applied Magnetic Resonance, 2019, 50, 589-597.	0.6	4
80	Condensation of ammonium niobium oxalate studied by NMR crystallography and X-ray powder diffraction. Catalysis Today, 2020, 354, 26-35.	2.2	4
81	Chemical shifts of hydroxyl groups in oxide catalysts and dissociation of hydroxy protons in HY zeolite. Reaction Kinetics and Catalysis Letters, 1979, 11, 353-358.	0.6	3
82	Studies of vanadium catalysts for sulfur dioxide oxidation by51V-NMR. Reaction Kinetics and Catalysis Letters, 1981, 17, 109-113.	0.6	3
83	Long-term stability of the V2O5/Al2O3 catalyst for the selective reduction of nitrogen oxides. Catalysis Letters, 1994, 28, 25-31.	1.4	3
84	Title is missing!. Kinetics and Catalysis, 2001, 42, 857-866.	0.3	3
85	First principles calculation of the stacking fault in (111) low-temperature metastable alumina. Journal of Structural Chemistry, 2016, 57, 294-300.	0.3	3
86	Synthesis and Composition Study of Electrochemically Deposited Ni-P Coating with Increased Surface Area. Coatings, 2021, 11, 1071.	1.2	3
87	Modern solid-state NMR of quadrupolar nuclei. Journal of Structural Chemistry, 2010, 51, 28-46.	0.3	2
88	Random Distribution of EFG Parameters in 27Al MAS NMR Spectra of AlO x /SiO2 Catalysts and Related Systems. Applied Magnetic Resonance, 2016, 47, 1193-1205.	0.6	2
89	Impact of Incorporation of Active Nanoporous Components or Their Precursors in a CuAlO/CuAl Ceramometal Skeleton on the Properties in the Low-Temperature Water-Gas Shift Reaction. ACS Omega, 2020, 5, 19928-19937.	1.6	2
90	51V NMR studies of systems V2O5-KHSO4 and V2O5â^'K2SO4. Reaction Kinetics and Catalysis Letters, 1980, 14, 323-327.	0.6	1

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91	The Structure of the VOx Oxo complexes on the surface of the Al2O3 of various structural modifications. Kinetics and Catalysis, 2000, 41, 270-275.	0.3	1
92	Investigation of vanadiaâ€“alumina catalysts with solid-state NMR spectroscopy and DFT. Physical Chemistry Chemical Physics, 2021, 23, 19352-19363.	1.3	1
93	Active component of vanadium catalysts in oxidation of gases with low concentrations of SO2. Reaction Kinetics and Catalysis Letters, 1990, 42, 55-59.	0.6	0
94	Obituary for Vyatcheslav M. Mastikhin. Applied Magnetic Resonance, 1995, 8, iii-iv.	0.6	0
95	Radiation-chemical synthesis of phosphorus- and sulfur-containing polymers. Theoretical Foundations of Chemical Engineering, 2008, 42, 657-661.	0.2	0