Alexander Samuilov

List of Publications by Year
in descending order

34	223	1163117 8	1125743 13
papers	citations	h-index	g-index

34	34	34	75
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Urea methanolysis mechanism: a computational study. Molecular Physics, 2022, 120, .	1.7	0
2	Catalysis and autocatalysis in urea methanolysis with formation of O-methyl carbamate: A DFT study. Chemical Physics Letters, 2022, 787, 139196.	2.6	2
3	Quantum-Chemical Study of Reactions between Dimethyl Carbonate and Methylamine Proceeding through an Additionâ€“Elimination Mechanism on Zinc Oxide Catalysts. Russian Journal of Physical Chemistry A, 2022, 96, 293-301.	0.6	1
4	Computational study of the thermodynamics of urea methanolysis. Journal of Chemical Thermodynamics, 2021, 160, 106473.	2.0	4
5	Methanolysis of Polycarbonate Waste as a Method of Regenerating Monomers for Polycarbonate Synthesis. Polymer Science - Series B, 2020, 62, 411-415.	0.8	3
6	Transesterification of Diethyl Carbonate with Methanol Catalyzed by Sodium Methoxide. Russian Journal of Organic Chemistry, 2019, 55, 1338-1343.	0.8	1
7	Catalytic Metathesis of N-Methylformamide with Dimethyl Carbonate by Alcohol Associates. Russian Journal of Physical Chemistry A, 2019, 93, 2365-2372.	0.6	0
8	Theoretical study of transesterification of diethyl carbonate with methanol catalyzed by base and Lewis acid. Theoretical Chemistry Accounts, 2019, 138, 1.	1.4	8
9	Noncatalytic and Autocatalytic Rate Constants of the Reaction of Phenyl Isocyanate with Butan-1-ol. Russian Journal of Organic Chemistry, 2018, 54, 1749-1753.	0.8	5
10	Quantum Chemical Study of Additionâ€“Elimination Reactions of Dimethyl Carbonate with Methylamine. Russian Journal of Organic Chemistry, 2018, 54, 1453-1462.	0.8	1
11	Computational study of the reaction of dimethyl carbonate with methyl amine on Zn4O4 cluster. Computational and Theoretical Chemistry, 2015, 1067, 33-39.	2.5	10
12	Thermal transformations of urea in ethylene glycol: III. Transformation of 2-hydroxyethyl carbamate into ethylene carbonate. Russian Journal of Organic Chemistry, 2015, 51, 836-841.	0.8	0
13	Alcohol associates as catalysts of tautomeric transformations. Russian Journal of General Chemistry, 2015, 85, 1808-1815.	0.8	7
14	Quantum chemical study of the reaction of ethylene carbonate with methanol associates. Russian Journal of Organic Chemistry, 2014, 50, 1738-1745.	0.8	7
15	Quantum-chemical study of thermodynamics of hydrogen-bonded methylamine-methanol complexes reaction with dimethyl carbonate. Russian Journal of General Chemistry, 2014, 84, 1480-1486.	0.8	3
16	Computational study of the reaction of dimethyl carbonate with methyl amine. Computational and Theoretical Chemistry, 2014, 1049, 7-12.	2.5	13
17	Quantum-chemical study of isocyanate reactions with linear methanol associates: IX. Methyl isocyanate reaction with methanol-phenol complexes. Russian Journal of Organic Chemistry, 2014, 50, 155-159.	0.8	7
18	Quantum-chemical study on reactions of isocyanates with linear methanol associates: VII. Effect of nonspecific solvation on the reaction of methyl isocyanate with linear methanol associates. Russian Journal of Organic Chemistry, 2013, 49, 22-27.	0.8	9

#	Article	IF	Citations
19	Thermal transformations of urea in ethylene glycol: II. Reaction of isocyanic acid with ethylene glycol associates. Russian Journal of Organic Chemistry, 2013, 49, 1723-1727.	0.8	11
20	Quantum-chemical study of thermodynamics of ethylene carbonate reactions with methanol. Russian Journal of General Chemistry, 2013, 83, 1840-1843.	0.8	1
21	Quantum-chemical study on reactions of isocyanates with linear methanol associates: VIII. Relative reactivity of linear phenol and methanol associates toward methyl isocyanate. Russian Journal of Organic Chemistry, 2013, 49, 968-973.	0.8	8
22	Quantum-chemical study on thermal transformations of urea in ethylene glycol. Russian Journal of Organic Chemistry, 2013, 49, 28-33.	0.8	10
23	The regularities of polyurethane foam chemical degradation with thiodiglycol. Russian Journal of General Chemistry, 2012, 82, 1546-1551.	0.8	0
24	Quantum-chemical study on reactions of isocyanates with methanol associates: VI. Quantum-chemical characterization of the relative reactivity of linear and cyclic methanol trimers in the addition to methyl isocyanate. Russian Journal of Organic Chemistry, 2012, 48, 1512-1517.	0.8	4
25	Thermodynamic parameters of the thermal decomposition of dimethyl toluylenedicarbamates to toluylene diisocyanates. Russian Journal of General Chemistry, 2012, 82, 1110-1114.	0.8	2
26	Quantum-chemical investigation of isocyanate reactions with linear methanol associates: IV. Mechanism of autocatalytic reaction of methyl isocyanate with linear methanol associates. Russian Journal of Organic Chemistry, 2012, 48, 158-163.	0.8	8
27	Quantum-chemical investigation of isocyanate reactions with linear methanol associates: V. Aryl isocyanate reactions with linear methanol associates. Russian Journal of Organic Chemistry, 2012, 48, 164-174.	0.8	15
28	Quantum-Chemical Study on Reactions of Isocyanates with Linear Methanol Associates: III.* Reaction of Methyl Isocyanate with Linear Methanol Associates. Russian Journal of Organic Chemistry, 2010, 46, 1452-1460.	0.8	24
29	Quantum-chemical study on the reaction of phenyl isocyanate with linear methanol associates: II. Addition at the C=O bond. Russian Journal of Organic Chemistry, 2009, 45, 68-73.	0.8	22
30	Thermodynamic parameters of urethane formation reactions and concomitant processes. Russian Journal of Applied Chemistry, 2008, 81, 1419-1422.	0.5	5
31	Quantum-chemical study on the reaction of phenyl isocyanate with linear methanol associates. Addition at the C=N bond. Russian Journal of Organic Chemistry, 2008, 44, 1316-1322.	0.8	26
32	The thermodynamic parameters of reactions of phenyl isocyanate with methanol associates. Russian Journal of Physical Chemistry A, 2008, 82, 1999-2004.	0.6	5
33	Thiodiglycol-based oligomers. Russian Journal of Applied Chemistry, 2007, 80, 2093-2096.	0.5	1
34	Composition of Laprol-373 and Products of Its Reaction with 2,4-Toluylene Diisocyanate. Russian Journal of Applied Chemistry, 2005, 78, 1115-1118.	0.5	0