Semen Spivak

List of Publications by Year
in descending order

50	235	1039406 9	1199166 12
papers	citations	h-index	g-index

52	52	52	146
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Kinetic model of olefin hydroalumination by HAlBui2 and AlBui3 in the presence of Cp2ZrCl2 catalyst. International Journal of Chemical Kinetics, 2007, 39, 333-339.	1.0	19
2	Constructing Homodesmic Reactions for Calculating the Enthalpies of Formation of Organic Compounds. Russian Journal of Physical Chemistry A, 2016, 90, 796-802.	0.1	14
3	A graph theory method for determining the basis of homodesmic reactions for acyclic chemical compounds. Doklady Physical Chemistry, 2017, 474, 99-102.	0.2	14
4	Construction and characteristics of transgenic tobacco Nicotiana tabacum L. plants expressing CYP11A1 cDNA encoding cytochrome P450SCC. Russian Journal of Genetics, 2009, 45, 1067-1073.	0.2	13
5	New synthesis of pyrrole-2-carboxylic and pyrrole-2,5-dicarboxylic acid esters in the presence of iron-containing catalysts. Russian Journal of Organic Chemistry, 2010, 46, 1053-1059.	0.3	13
6	Title is missing!. Doklady Physical Chemistry, 2001, 381, 279-282.	0.2	12
7	The Kinetic Model of nâ€Decane Oxidation in the Presence of Inhibitory Composition. International Journal of Chemical Kinetics, 2014, 46, 220-230.	1.0	11
8	Direct Catalytic Oxidation of Hydrogen Sulfide. Chemistry and Technology of Fuels and Oils, 2001, 37, 212-218.	0.2	10
9	Graph-theoretical method for determining routes of complex chemical reactions. Doklady Physical Chemistry, 2010, 434, 169-171.	0.2	7
10	Kinetic Regularities of Methane Production by a Methanogenic Association. Applied Biochemistry and Biotechnology, 1989, 22, 351-360.	1.4	6
11	Modeling of Partial Oxidation of Hydrogen Sulfide over Metal Oxide Catalysts. Doklady Chemistry, 2001, 376, 34-37.	0.2	6
12	Mathematical Modeling of Butadiene Polymerization over Lanthanide-Containing Catalysts. Doklady Physical Chemistry, 2002, 387, 331-334.	0.2	6
13	Investigation of the mechanism of the inhibited oxidation of 1,4-dioxane by mathematical modeling. Kinetics and Catalysis, 2015, 56, 300-303.	0.3	6
14	Kinetics, mechanism, and mathematical model of the reaction between uracil and hydrogen peroxide in aqueous solution. Kinetics and Catalysis, 2015, 56, 563-568.	0.3	6
15	Quantitative UV Spectrophotometric Analysis of Mixtures of Substituted C60 Fullerenes. Journal of Applied Spectroscopy, 2015, 82, 644-652.	0.3	6
16	Reactivity and mechanism of the action of C60 fullerene used as an inhibitor for the radical chain oxidation of 1,4-dioxane. Russian Journal of Physical Chemistry A, 2017, 91, 1010-1014.	0.1	6
17	The influence of the nature of organoaluminum compound on kinetic heterogeneity of active sites in lanthanide-based diene polymerization. Journal of Applied Polymer Science, 2003, 87, 358-368.	1.3	5
18	Mathematical modeling of the inhibited radical chain oxidation of organic compounds. Kinetics and Catalysis, 2013, 54, 408-411.	0.3	5

#	Article	IF	Citations
19	Analysis of the informativity of kinetic measurements in solving inverse problems of chemical kinetics for multi-route reactions. Kinetics and Catalysis, 2014, 55, 538-548.	0.3	5
20	Decomposition of complex mechanisms of chemical reactions into independent routes. Doklady Physical Chemistry, 2014, 455, 53-55.	0.2	5
21	Interval estimation in the determination of parameters of a kinetic model. Reaction Kinetics and Catalysis Letters, 1975, 3, 105-113.	0.6	4
22	Kinetics of the reaction between cyclohexylsulfonyl and cyclohexyl radicals. Reaction Kinetics and Catalysis Letters, 1982, 19, 65-69.	0.6	4
23	Kinetic model for anisol synthesis by methanol alkylation of phenol on a zeolite catalyst. Reaction Kinetics and Catalysis Letters, 1985, 29, 145-151.	0.6	4
24	Deactivation of nickel catalysts by thiophene in benzene hydrogenation. Reaction Kinetics and Catalysis Letters, 1988, 36, 177-182.	0.6	4
25	Computer analysis of the graphs of complex chemical reactions. High Energy Chemistry, 2015, 49, 217-222.	0.2	4
26	Discrimination of the mechanisms of cooxidation of arylalkanes and alkylamines. Reaction Kinetics and Catalysis Letters, 1984, 24, 305-308.	0.6	3
27	Structural Organization of Petroleum Disperse Systems. Doklady Physical Chemistry, 2002, 387, 284-286.	0.2	3
28	Calculation of molecular weight distributions of polymers synthesized on multisite catalytic systems. Doklady Chemistry, 2010, 432, 148-150.	0.2	3
29	Information content of kinetic measurements and inverse problems of chemical kinetics. Doklady Physical Chemistry, 2013, 451, 164-166.	0.2	3
30	Mechanism of tee cyclooligomerization of butadiene in the presence of low-valence nickel complexes. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1980, 29, 1056-1062.	0.0	2
31	Title is missing!. Doklady Physical Chemistry, 2002, 385, 181-184.	0.2	2
32	Optimization of Catalytic Processes and Reactors. Kinetics and Catalysis, 2005, 46, 705-711.	0.3	2
33	Modeling of gas-liquid Î±-pinene hydrogenation in tubular reactors. Doklady Chemistry, 2006, 406, 26-29.	0.2	2
34	Graph-theoretical method for determination of key substances in complex chemical reactions. Doklady Physical Chemistry, 2012, 443, 71-73.	0.2	2
35	Confidence range for the determination of kinetic constants obtained from steady-state measurements. Reaction Kinetics and Catalysis Letters, 1981, 16, 7-10.	0.6	1
36	Kinetic studies of catalytic epoxidation of Si-containing olefins by tert-butylhydroperoxide. Reaction Kinetics and Catalysis Letters, 1984, 26, 317-322.	0.6	1

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37	Kinetics of p-cumylphenol alkylation by isobutylene in the presence of p-toluenesulfonic acid. Reaction Kinetics and Catalysis Letters, 1985, 28, 411-417.	0.6	1
38	Imitation modeling of the growth of dissipative structures in petroleum disperse systems. Theoretical Foundations of Chemical Engineering, 2004, 38, 579-585.	0.2	1
39	Oxidation kinetics of n-decane in the presence of an inhibiting composition: A mathematical model. Kinetics and Catalysis, 2014, 55, 18-21.	0.3	1
40	Maximum permissible estimates of parameters of physicochemical models. Doklady Physical Chemistry, 2015, 464, 231-233.	0.2	1
41	Sensitivity of the solution of kinetic differential equation systems to the variations in the initial state exemplified by liquid-phase chain oxidation of hydrocarbons. Reaction Kinetics and Catalysis Letters, 1982, 19, 197-200.	0.6	0
42	Discrimination between catalyst deactivation mechanisms by kinetic measurements in open systems. Reaction Kinetics and Catalysis Letters, 1985, 27, 121-124.	0.6	0
43	Quasi-Stationary Approximation for Some Chemical Kinetics Models. International Journal of Polymeric Materials and Polymeric Biomaterials, 1995, 30, 225-233.	1.8	0
44	Correction of Gel Chromatograms for Instrumental Broadening. Russian Journal of Applied Chemistry, 2001, 74, 1194-1197.	0.1	0
45	Specific features of the apoptotic response of urinary bladder cancer cells to neoadjuvant chemotherapy. Cytology and Genetics, 2011, 45, 201-207.	0.2	0
46	Inverse problems for Markov models. Automation and Remote Control, 2012, 73, 1929-1936.	0.4	0
47	Index method of finding the independent routes of complex chemical reactions. Doklady Physical Chemistry, 2015, 461, 64-68.	0.2	0
48	Analysis of mixtures of fullerene-containing products. , 2015, , .		0
49	Maximum permissible estimates at measurements processing. , 2015, , .		0
50	Automation of the information content analysis of kinetic parameters. High Energy Chemistry, 2016, 50, 6-10.	0.2	0