Sergey Vyazovkin

List of Publications by Year
in descending order

218	23,448	22548 61	9346 148
papers	citations	h-index	g-index

229	229	229	11248
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Problems with Applying the Ozawaâ€“Avrami Crystallization Model to Non-Isothermal Crosslinking Polymerization. Polymers, 2022, 14, 693.	2.0	7
2	Novel adamantane-based dicyanate ester: Synthesis, polymerization kinetics, and thermal properties of resulting polymer. Thermochimica Acta, 2022, 710, 179177.	1.2	7
3	ICTAC Kinetics Committee recommendations for analysis of thermal polymerization kinetics. Thermochimica Acta, 2022, 714, 179243.	1.2	44
4	The Kinetics of Formation of Microporous Polytriazine in Diphenyl Sulfone. Molecules, 2022, 27, 3605.	1.7	4
5	Isoconversional kinetics of vaporization of nanoconfined liquids. Journal of Molecular Liquids, 2021, 327, 114824.	2.3	9
6	Synthesis and Polymerization Kinetics of Novel Dicyanate Ester Based on Dimer of 4â€•tert â€butylphenol. Macromolecular Chemistry and Physics, 2021, 222, 2000410.	1.1	10
7	When can the effect of thermal inertia be considered negligible?. International Journal of Chemical Kinetics, 2021, 53, 1058-1060.	1.0	7
8	Synthesis and Polymerization Kinetics of Rigid Tricyanate Ester. Polymers, 2021, 13, 1686.	2.0	14
9	Determining Preexponential Factor in Model-Free Kinetic Methods: How and Why?. Molecules, 2021, 26, 3077.	1.7	51
10	Effect of pressure on TATB and LX-17 thermal decomposition. Thermochimica Acta, 2021, 699, 178908.	1.2	17
11	Artificial Neural Networks for Pyrolysis, Thermal Analysis, and Thermokinetic Studies: The Status Quo. Molecules, 2021, 26, 3727.	1.7	30
12	Nanoconfined gelation in systems based on stearic and 12-hydroxystearic acids: A calorimetric study. Journal of Molecular Liquids, 2021, 335, 116191.	2.3	2
13	Polymerization kinetics of adamantane-based dicyanate ester and thermal properties of resulting polymer. Reactive and Functional Polymers, 2021, 165, 104956.	2.0	19
14	Solvent-induced changes in the reactivity of tricyanate esters undergoing thermal polymerization. Polymer Chemistry, 2021, 12, 6179-6187.	1.9	10
15	How much is the accuracy of activation energy affected by ignoring thermal inertia?. International Journal of Chemical Kinetics, 2020, 52, 23-28.	1.0	26
16	Kinetic effects of pressure on decomposition of solids. International Reviews in Physical Chemistry, 2020, 39, 35-66.	0.9	49
17	Polymerization Kinetics of Cyanate Ester Confined to Hydrophilic Nanopores of Silica Colloidal Crystals with Different Surface-Grafted Groups. Polymers, 2020, 12, 2329.	2.0	13
18	The Next 100 Years of Polymer Science. Macromolecular Chemistry and Physics, 2020, 221, 2000216.	1.1	69

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19	Activation Energies and Temperature Dependencies of the Rates of Crystallization and Melting of Polymers. Polymers, 2020, 12, 1070.	2.0	51
20	Solid-state polymerization of a novel cyanate ester based on 4-tert-butylcalix[6]arene. Polymer Chemistry, 2020, 11, 4115-4123.	1.9	16
21	Kissinger Method in Kinetics of Materials: Things to Beware and Be Aware of. Molecules, 2020, 25, 2813.	1.7	149
22	Nanoconfined gelation of polyacrylonitrile, poly(vinyl alcohol), and isotactic polypropylene probed by calorimetry. Soft Matter, 2020, 16, 3285-3293.	1.2	1
23	ICTAC Kinetics Committee recommendations for analysis of multi-step kinetics. Thermochimica Acta, 2020, 689, 178597.	1.2	482
24	â€œNothing Can Hide Itself from Thy Heatâ€• Understanding Polymers via Unconventional Applications of Thermal Analysis. Macromolecular Rapid Communications, 2019, 40, e1800334.	2.0	15
25	Effect of Inert Gas Pressure on Reversible Solid-State Decomposition. Journal of Physical Chemistry C, 2019, 123, 21059-21065.	1.5	15
26	All You Need to Know about the Kinetics of Thermally Stimulated Reactions Occurring on Cooling. Molecules, 2019, 24, 1918.	1.7	4
27	Kinetic and Mechanistic Insights into Thermally Initiated Polymerization of Cyanate Esters with Different Bridging Groups. Macromolecular Chemistry and Physics, 2019, 220, 1900141.	1.1	25
28	Crystallization of ammonium perchlorate from solution confined to native and organically modified silica nanopores. Thermochimica Acta, 2019, 677, 109-116.	1.2	4
29	Thermal stability of indomethacin increases with the amount of polyvinylpyrrolidone in solid dispersion. Thermochimica Acta, 2019, 676, 172-176.	1.2	21
30	Nanocrystalline Cellulose/Polyvinylpyrrolidone Fibrous Composites Prepared by Electrospinning and Thermal Crosslinking. International Journal of Polymer Science, 2019, 2019, 1-12.	1.2	13
31	Accelerating Effect of Poly(vinylpyrrolidone) Matrix on Thermal Decomposition of Malonic Acid. Industrial & Engineering Chemistry Research, 2019, 58, 2891-2898.	1.8	7
32	Is the kinetics of crosslinking polymerization the same on heating and cooling?. Polymer, 2019, 161, 8-15.	1.8	2
33	Nonisothermal crystallization of polymers: Getting more out of kinetic analysis of differential scanning calorimetry data. Polymer Crystallization, 2018, 1, e10003.	0.5	24
34	Thermal Stability of Malonic Acid Dissolved in Poly(vinylpyrrolidone) and Other Polymeric Matrices. Industrial & Engineering Chemistry Research, 2018, 57, 5228-5233.	1.8	21
35	Effect of nanocrystalline cellulose addition on needleless alternating current electrospinning and properties of nanofibrous polyacrylonitrile meshes. Journal of Applied Polymer Science, 2018, 135, 45772.	1.3	19
36	Kinetics of Thermal Polymerization Can Be Studied during Continuous Cooling. Macromolecular Rapid Communications, 2018, 39, 1700624.	2.0	11

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37	Gelation of Poly(Vinylidene Fluoride) Solutions in Native and Organically Modified Silica Nanopores. Molecules, 2018, 23, 3025.	1.7	4
38	Power Law and Arrhenius Approaches to the Melting Kinetics of Superheated Crystals: Are They Compatible?. Crystal Growth and Design, 2018, 18, 6389-6392.	1.4	7
39	Polyvinylpyrrolidone affects thermal stability of drugs in solid dispersions. International Journal of Pharmaceutics, 2018, 551, 111-120.	2.6	41
40	Modern Isoconversional Kinetics: From Misconceptions to Advances. Handbook of Thermal Analysis and Calorimetry, 2018, 6, 131-172.	1.6	71
41	The truncated ÅestÃ¡kâ€“Berggren equation is still the ÅestÃ¡kâ€“Berggren equation, just truncated. Journal of Thermal Analysis and Calorimetry, 2017, 127, 1125-1126.	2.0	3
42	Further insights into the kinetics of thermal decomposition during continuous cooling. Physical Chemistry Chemical Physics, 2017, 19, 18836-18844.	1.3	25
43	Isoconversional Kinetics of Polymers: The Decade Past. Macromolecular Rapid Communications, 2017, 38, 1600615.	2.0	89
44	Phase separation of triethylamine and water in native and organically modified silica nanopores. Journal of Chemical Physics, 2017, 147, 114508.	1.2	8
45	Melting kinetics of superheated crystals of glucose and fructose. Physical Chemistry Chemical Physics, 2017, 19, 26056-26064.	1.3	18
46	Thermal Decomposition Kinetics of Malonic Acid in the Condensed Phase. Industrial & Engineering Chemistry Research, 2017, 56, 7964-7970.	1.8	16
47	Delving into the Kinetics of Reversible Thermal Decomposition of Solids Measured on Heating and Cooling. Journal of Physical Chemistry C, 2017, 121, 15392-15401.	1.5	33
48	Thermal Reduction of NO_x with Recycled Plastics. Environmental Science & Technology, 2017, 51, 7714-7722.	4.6	15
49	A time to search: finding the meaning of variable activation energy. Physical Chemistry Chemical Physics, 2016, 18, 18643-18656.	1.3	158
50	Melting of gelatin gels confined to silica nanopores. Physical Chemistry Chemical Physics, 2016, 18, 29056-29063.	1.3	11
51	Crystallization of ionic salts for calibration of differential scanning calorimeters. Thermochimica Acta, 2016, 640, 62-65.	1.2	6
52	Discovering the kinetics of thermal decomposition during continuous cooling. Physical Chemistry Chemical Physics, 2016, 18, 32021-32030.	1.3	37
53	Isoconversional Kinetics of Nonisothermal Crystallization of Salts from Solutions. Journal of Physical Chemistry B, 2016, 120, 5703-5709.	1.2	24
54	Isoconversional Kinetics by Fast Scanning Calorimetry. , 2016, , 237-257.		1

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55	Some Basics En Route to Isoconversional Methodology. , 2015, , 1-25.		12
56	Isoconversional Methodology. , 2015, , 27-62.		12
57	Chemical Processes. , 2015, , 163-231.		2
58	Nanoconfined Solidâ€“Solid Transitions: Attempt To Separate the Size and Surface Effects. Journal of Physical Chemistry C, 2015, 119, 9627-9636.	1.5	19
59	Physical Processes. , 2015, , 63-161.		3
60	Isoconversional Kinetics of Thermally Stimulated Processes. , 2015, , .		209
61	The kinetics and mechanism of nanoconfined molten salt reactions: trimerization of potassium and rubidium dicyanamide. Physical Chemistry Chemical Physics, 2015, 17, 10209-10217.	1.3	7
62	Coilâ€toâ€Globule Transition of Poly(Nâ€isopropylacrylamide) in Aqueous Solution: Kinetics in Bulk and Nanopores. Macromolecular Chemistry and Physics, 2014, 215, 2112-2118.	1.1	17
63	Melting of Gelatin Gels Containing Laponite, Montmorillonite, and Chitosan Particles. Macromolecular Chemistry and Physics, 2014, 215, 867-872.	1.1	12
64	Polymer Melting Kinetics Appears to be Driven by Heterogeneous Nucleation. Macromolecular Chemistry and Physics, 2014, 215, 205-209.	1.1	20
65	Venturing into kinetics and mechanism of nanoconfined solid-state reactions: trimerization of sodium dicyanamide in nanopores. Physical Chemistry Chemical Physics, 2014, 16, 11409.	1.3	16
66	ICTAC Kinetics Committee recommendations for collecting experimental thermal analysis data for kinetic computations. Thermochimica Acta, 2014, 590, 1-23.	1.2	929
67	Improvement of Quality in Publication of Experimental Thermophysical Property Data: Challenges, Assessment Tools, Global Implementation, and Online Support. Journal of Chemical & Engineering Data, 2013, 58, 2699-2716.	1.0	236
68	Loading salts from solutions into nanopores: Model and its test. Chemical Physics Letters, 2013, 558, 72-76.	1.2	5
69	Dynamic Mechanical Analysis and Hydrolytic Degradation Behavior of Linear and Branched Poly(<scp>L</scp>â€lactide)s and Poly(<scp>L</scp>â€lactideâ€coâ€glycolide)s. Macromolecular Chemistry and Physics, 2013, 214, 835-843.	1.1	9
70	High Temperature Solidâ€“Solid Transition in Ammonium Chloride Confined to Nanopores. Journal of Physical Chemistry C, 2013, 117, 13713-13721.	1.5	26
71	Nucleationâ€Driven Kinetics of Poly(ethylene terephthalate) Melting. Macromolecular Chemistry and Physics, 2013, 214, 2562-2566.	1.1	21
72	Atypical gelation in gelatin solutions probed by ultra-fast calorimetry. Soft Matter, 2012, 8, 7116.	1.2	28

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73	Gelation on Heating of Supercooled Gelatin Solutions. Macromolecular Rapid Communications, 2012, 33, 698-702.	2.0	15
74	Thermal Properties and Degradation Behavior of Linear and Branched Poly(<scp>L</scp>â€lactide)s and Poly(<scp>L</scp>â€lactideâ€coâ€glycolide)s. Macromolecular Chemistry and Physics, 2012, 213, 924-936.	1.1	21
75	Activation energies of water vaporization from the bulk and from laponite, montmorillonite, and chitosan powders. Thermochimica Acta, 2011, 524, 197-197.	1.2	36
76	Notes on workshop on kinetics/ESTAC-10, Rotterdam. Journal of Thermal Analysis and Calorimetry, 2011, 105, 931-931.	2.0	1
77	Nonâ€oxidative Thermal Degradation of Poly(glycidol), Poly(glycidol)â€gâ€<scp>L</scp>â€lactide, and Poly(glycidol)â€gâ€glycolide. Macromolecular Chemistry and Physics, 2011, 212, 2103-2113.	1.1	10
78	ICTAC Kinetics Committee recommendations for performing kinetic computations on thermal analysis data. Thermochimica Acta, 2011, 520, 1-19.	1.2	4,299
79	Dr. Joseph Henry Flynn. Thermochimica Acta, 2011, 523, 258-259.	1.2	1
80	Making impact in thermal sciences: Overview of highly cited papers published in Thermochimica Acta. Thermochimica Acta, 2010, 500, 1-5.	1.2	7
81	Thermal Analysis. Analytical Chemistry, 2010, 82, 4936-4949.	3.2	26
82	Concentration Effect on Temperature Dependence of Gelation Rate in Aqueous Solutions of Methylcellulose. Macromolecular Chemistry and Physics, 2009, 210, 211-216.	1.1	24
83	Temperature Dependence of Solâ€Gel Conversion Kinetics in Gelatinâ€Water System. Macromolecular Bioscience, 2009, 9, 383-392.	2.1	49
84	Implications of Global and Local Mobility in Amorphous Sucrose and Trehalose as Determined by Differential Scanning Calorimetry. Pharmaceutical Research, 2009, 26, 1064-1072.	1.7	23
85	Thermal stability of gelatin gels: Effect of preparation conditions on the activation energy barrier to melting. Polymer, 2009, 50, 4859-4867.	1.8	40
86	Isoconversional Kinetics of Glass Aging. Journal of Physical Chemistry B, 2009, 113, 4631-4635.	1.2	33
87	Joint Statement of Editors of Journals Publishing Thermophysical Property Data. Journal of Chemical & Engineering Data, 2009, 54, 2-3.	1.0	18
88	Formation and Thermal Behavior of Polystyrene and Polystyrene/Clay Gels. Macromolecular Chemistry and Physics, 2008, 209, 2367-2373.	1.1	14
89	Isoconversional kinetics of degradation of polyvinylpyrrolidone used as a matrix for ammonium nitrate stabilization. Thermochimica Acta, 2008, 474, 78-80.	1.2	40
90	Thermal Analysis. Analytical Chemistry, 2008, 80, 4301-4316.	3.2	41

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91	Phase and thermal stabilization of ammonium nitrate in the form of PVPâ€“AN glass. Materials Letters, 2008, 62, 1757-1760.	1.3	19
92	Isoconversional Kinetics. Handbook of Thermal Analysis and Calorimetry, 2008, 5, 503-538.	1.6	63
93	Ammonium Nitrateâ^'Polymer Glasses: A New Concept for Phase and Thermal Stabilization of Ammonium Nitrate. Journal of Physical Chemistry B, 2008, 112, 11236-11243.	1.2	16
94	Nanoconfinement Revealed in Degradation and Relaxation Studies of Two Structurally Different Polystyreneâ^'Clay Systems. Journal of Physical Chemistry B, 2007, 111, 12685-12692.	1.2	144
95	Effect of Substituents in Aromatic Amines on the Activation Energy of Epoxyâ^'Amine Reaction. Journal of Physical Chemistry B, 2007, 111, 7098-7104.	1.2	27
96	Effect of Physical Aging on Nucleation of Amorphous Indomethacin. Journal of Physical Chemistry B, 2007, 111, 7283-7287.	1.2	79
97	Viscoelastic properties of crosslinked LLDPE films biaxially oriented at temperatures below melting point. Journal of Applied Polymer Science, 2007, 103, 3718-3723.	1.3	3
98	Tacticity as a Factor Contributing to the Thermal Stability of Polystyrene. Macromolecular Chemistry and Physics, 2007, 208, 2525-2532.	1.1	52
99	Macromol. Chem. Phys. 23/2007. Macromolecular Chemistry and Physics, 2007, 208, 2580-2580.	1.1	1
100	Thermal Denaturation of Collagen Analyzed by Isoconversional Method. Macromolecular Bioscience, 2007, 7, 1181-1186.	2.1	65
101	Increase in effective activation energy during physical aging of a glass. Chemical Physics Letters, 2007, 448, 203-207.	1.2	21
102	Thermal Analysis. Analytical Chemistry, 2006, 78, 3875-3886.	3.2	36
103	Effect of pressure and sample type on decomposition of ammonium perchlorate. Combustion and Flame, 2006, 145, 779-790.	2.8	74
104	Activation energies derived from the pre-glass transition annealing peaks. Thermochimica Acta, 2006, 446, 140-146.	1.2	17
105	Probing Beta Relaxation in Pharmaceutically Relevant Glasses by Using DSC. Pharmaceutical Research, 2006, 23, 422-428.	1.7	52
106	Comparative Relaxation Dynamics of Glucose and Maltitol. Pharmaceutical Research, 2006, 23, 2158-2164.	1.7	16
107	Model-free kinetics. Journal of Thermal Analysis and Calorimetry, 2006, 83, 45-51.	2.0	395
108	Comparative cure behavior of DGEBA and DGEBP with 4-nitro-1,2-phenylenediamine. Polymer, 2006, 47, 6659-6663.	1.8	25

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109	Isoconversional Analysis of Combined Melt and Glass Crystallization Data. Macromolecular Chemistry and Physics, 2006, 207, 20-25.	1.1	157
110	Mechanistic Differences in Degradation of Polystyrene and Polystyrene-Clay Nanocomposite: Thermal and Thermo-Oxidative Degradation. Macromolecular Chemistry and Physics, 2006, 207, 587-595.	1.1	47
111	Variation in Activation Energy of the Glass Transition for Polymers of Different Dynamic Fragility. Macromolecular Chemistry and Physics, 2006, 207, 1126-1130.	1.1	64
112	Isoconversional Kinetic Analysis of Thermally Stimulated Processes in Polymers. Macromolecular Rapid Communications, 2006, 27, 1515-1532.	2.0	940
113	Mechanochemical effects in degradation of nitrocellulose and nitrocelluloseâ€“diphenylamine mixture. Thermochimica Acta, 2005, 437, 75-81.	1.2	7
114	Curing of Diglycidyl Ether of Bisphenol P with Nitro Derivatives of Amine Compounds, 1. Macromolecular Chemistry and Physics, 2005, 206, 342-348.	1.1	15
115	Curing of Diglycidyl Ether of Bisphenol P with Nitro Derivatives of Amine Compounds, 2. Macromolecular Chemistry and Physics, 2005, 206, 1084-1089.	1.1	20
116	Curing of Diglycidyl Ether of 4,4â€²-Bisphenol P with Nitro Derivatives of Amine Compounds, 3. Macromolecular Chemistry and Physics, 2005, 206, 1840-1846.	1.1	18
117	Detecting Mechanochemical Degradation of Nitrocellulose by Combining Dynamic Mechanical Analysis with Mass Spectrometry. Macromolecular Rapid Communications, 2005, 26, 29-33.	2.0	8
118	Effect of the Brush Structure on the Degradation Mechanism of Polystyrene-Clay Nanocomposites. Macromolecular Rapid Communications, 2005, 26, 690-695.	2.0	54
119	Hoffman-Lauritzen parameters for non-isothermal crystallization of poly(ethylene terephthalate) and poly(ethylene oxide) melts. Journal of Thermal Analysis and Calorimetry, 2005, 80, 177-180.	2.0	53
120	Physical Stability and Relaxation of Amorphous Indomethacin. Journal of Physical Chemistry B, 2005, 109, 18637-18644.	1.2	95
121	Kinetics of the Thermal and Thermo-Oxidative Degradation of a Polystyreneâ€“Clay Nanocomposite. Macromolecular Rapid Communications, 2004, 25, 498-503.	2.0	135
122	Isoconversional Approach to Evaluating the Hoffmanâ€“Lauritzen Parameters(U* andKg) from the Overall Rates of Nonisothermal Crystallization. Macromolecular Rapid Communications, 2004, 25, 733-738.	2.0	195
123	Variation of the Effective Activation Energy Throughout the Glass Transition. Macromolecular Rapid Communications, 2004, 25, 1708-1713.	2.0	75
124	Thermal Analysis. Analytical Chemistry, 2004, 76, 3299-3312.	3.2	27
125	A DSC Study of Î±- and Î²-Relaxations in a PSâ^'Clay System. Journal of Physical Chemistry B, 2004, 108, 11981-11987.	1.2	92
126	Degradation and Relaxation Kinetics of Polystyreneâ^'Clay Nanocomposite Prepared by Surface Initiated Polymerization. Journal of Physical Chemistry B, 2004, 108, 11672-11679.	1.2	90

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127	Estimating the activation energy for non-isothermal crystallization of polymer melts. Journal of Thermal Analysis and Calorimetry, 2003, 72, 681-686.	2.0	67
128	Model-free treatment of the dehydration kinetics of nedocromil sodium trihydrate. Journal of Pharmaceutical Sciences, 2003, 92, 1367-1376.	1.6	48
129	Crystallization Kinetics of Amorphous Nifedipine Studied by Model-Fitting and Model-Free Approaches. Journal of Pharmaceutical Sciences, 2003, 92, 1779-1792.	1.6	83
130	A Study of Epoxy-Amine Cure Kinetics by Combining Isoconversional Analysis with Temperature Modulated DSC and Dynamic Rheometry. Macromolecular Chemistry and Physics, 2003, 204, 1815-1821.	1.1	200
131	Kinetics of Epoxyâ€“Amine Curing Accompanied by the Formation of Liquid Crystalline Structure. Macromolecular Rapid Communications, 2003, 24, 1060-1065.	2.0	73
132	Reply to â€œWhat is meant by the term â€˜variable activation energyâ€™ when applied in the kinetics analyses of solid state decompositions (crystolysis reactions)?â€• Thermochimica Acta, 2003, 397, 269-271.	1.2	80
133	Isoconversional Analysis of Calorimetric Data on Nonisothermal Crystallization of a Polymer Melt. Journal of Physical Chemistry B, 2003, 107, 882-888.	1.2	178
134	Evaluation of the Dynamic Response of a New Heat Flux Calorimeter for Kinetic Purposes. Industrial & Engineering Chemistry Research, 2002, 41, 6650-6655.	1.8	11
135	Isoconversional Analysis of the Nonisothermal Crystallization of a Polymer Melt. Macromolecular Rapid Communications, 2002, 23, 766-770.	2.0	92
136	Is the Kissinger Equation Applicable to the Processes that Occur on Cooling?. Macromolecular Rapid Communications, 2002, 23, 771-775.	2.0	198
137	Hard to swallow dry: Kinetics and mechanism of the anhydrous thermal decomposition of acetylsalicylic acid. Journal of Pharmaceutical Sciences, 2002, 91, 800-809.	1.6	30
138	Dehydration kinetics of neotame monohydrate. Journal of Pharmaceutical Sciences, 2002, 91, 1423-1431.	1.6	35
139	Some confusion concerning integral isoconversional methods that may result from the paper by Budrugeac and Segal ?Some Methodological Problems Concerning Nonisothermal Kinetic Analysis of Heterogeneous Solid-Gas Reactions?. International Journal of Chemical Kinetics, 2002, 34, 418-420.	1.0	25
140	Learning about epoxy cure mechanisms from isoconversional analysis of DSC data. Thermochimica Acta, 2002, 388, 289-298.	1.2	222
141	Thermal Analysis. Analytical Chemistry, 2002, 74, 2749-2762.	3.2	55
142	Hard to swallow dry: formation of linear and cyclic oligomers in the anhydrous thermal decomposition of acetylsalicylic acid. Perkin Transactions II RSC, 2001, , 436-437.	1.1	2
143	Thermal Dissociation Kinetics of Solid and Liquid Ammonium Nitrate. Chemistry of Materials, 2001, 13, 960-966.	3.2	96
144	Comments on â€œThe use of MoO3 and NiO (pure or mixed) oxide catalysts in the decomposition of KMnO4â€•by S.A. Halawy and M.A. Mohamed. Thermochimica Acta, 2001, 370, 149-154.	1.2	11

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145	Modification of the integral isoconversional method to account for variation in the activation energy. Journal of Computational Chemistry, 2001, 22, 178-183.	1.5	1,000
146	Kinetics of the Thermal and Thermo-Oxidative Degradation of Polystyrene, Polyethylene and Poly(propylene). Macromolecular Chemistry and Physics, 2001, 202, 775-784.	1.1	617
147	Two Types of Uncertainty in the Values of Activation Energy. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2001, 64, 829-835.	1.4	54
148	Kinetic analysis of isothermal cures performed below the limiting glass transition temperature. Macromolecular Rapid Communications, 2000, 21, 85-90.	2.0	47
149	Effect of viscosity on the kinetics of initial cure stages. Macromolecular Chemistry and Physics, 2000, 201, 199-203.	1.1	57
150	Thermomechanical study of the high temperature phase transition in KH2PO4. Solid State Communications, 2000, 113, 627-631.	0.9	12
151	Computational aspects of kinetic analysis. Thermochimica Acta, 2000, 355, 125-143.	1.2	746
152	Computational aspects of kinetic analysis.. Thermochimica Acta, 2000, 355, 155-163.	1.2	490
153	Electronic solution to the problem of a kinetic standard for DSC measurements. Chemometrics and Intelligent Laboratory Systems, 2000, 52, 23-32.	1.8	11
154	Comparison of several computational procedures for evaluating the kinetics of thermally stimulated condensed phase reactions. Chemometrics and Intelligent Laboratory Systems, 2000, 54, 53-60.	1.8	52
155	Competitive Vaporization and Decomposition of Liquid RDX. Journal of Physical Chemistry B, 2000, 104, 2570-2574.	1.2	62
156	Estimating Realistic Confidence Intervals for the Activation Energy Determined from Thermoanalytical Measurements. Analytical Chemistry, 2000, 72, 3171-3175.	3.2	89
157	On the phenomenon of variable activation energy for condensed phase reactions. New Journal of Chemistry, 2000, 24, 913-917.	1.4	145
158	Kinetic concepts of thermally stimulated reactions in solids: A view from a historical perspective. International Reviews in Physical Chemistry, 2000, 19, 45-60.	0.9	346
159	Effect of viscosity on the kinetics of initial cure stages. , 2000, 201, 199.		1
160	Model-free and model-fitting approaches to kinetic analysis of isothermal and nonisothermal data. Thermochimica Acta, 1999, 340-341, 53-68.	1.2	1,111
161	Thermal decomposition kinetics of PBAN-binder and composite solid rocket propellants. Combustion and Flame, 1999, 119, 174-181.	2.8	48
162	Isoconversional method to explore the mechanism and kinetics of multi-step epoxy cures. Macromolecular Rapid Communications, 1999, 20, 387-389.	2.0	63

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163	Stabilizing effect of oxygen on thermal degradation of poly(methyl methacrylate). Macromolecular Rapid Communications, 1999, 20, 480-483.	2.0	42
164	Kinetic methods to study isothermal and nonisothermal epoxy-anhydride cure. Macromolecular Chemistry and Physics, 1999, 200, 2294-2303.	1.1	176
165	Kinetic Study of Stabilizing Effect of Oxygen on Thermal Degradation of Poly(methyl methacrylate). Journal of Physical Chemistry B, 1999, 103, 8087-8092.	1.2	154
166	Kinetics of Thermal Decomposition of Cubic Ammonium Perchlorate. Chemistry of Materials, 1999, 11, 3386-3393.	3.2	246
167	Isothermal and non-isothermal kinetics of thermally stimulated reactions of solids. International Reviews in Physical Chemistry, 1998, 17, 407-433.	0.9	460
168	Thermal Decomposition of Ammonium Dinitramide at Moderate and High Temperatures. Journal of Physical Chemistry A, 1997, 101, 7217-7221.	1.1	46
169	Ammonium Dinitramide:Â Kinetics and Mechanism of Thermal Decomposition. Journal of Physical Chemistry A, 1997, 101, 5653-5658.	1.1	107
170	Isothermal and Nonisothermal Reaction Kinetics in Solids:Â In Search of Ways toward Consensus. Journal of Physical Chemistry A, 1997, 101, 8279-8284.	1.1	227
171	KINETICS IN SOLIDS. Annual Review of Physical Chemistry, 1997, 48, 125-149.	4.8	490
172	Evaluation of activation energy of thermally stimulated solid-state reactions under arbitrary variation of temperature. Journal of Computational Chemistry, 1997, 18, 393-402.	1.5	685
173	Confidence intervals for the activation energy estimated by few experiments. Analytica Chimica Acta, 1997, 355, 175-180.	2.6	48
174	Evaluation of activation energy of thermally stimulated solid-state reactions under arbitrary variation of temperature. , 1997, 18, 393.		2
175	Mechanism and Kinetics of Epoxyâ"Amine Cure Studied by Differential Scanning Calorimetry. Macromolecules, 1996, 29, 1867-1873.	2.2	414
176	Linear and Nonlinear Procedures in Isoconversional Computations of the Activation Energy of Nonisothermal Reactions in Solids. Journal of Chemical Information and Computer Sciences, 1996, 36, 42-45.	2.8	520
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