Nobuyoshi Koga

List of Publications by Year
in descending order

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159 papers	7,259 citations	70961 41 h-index	64668 79 g-index
164 all docs	164 docs citations	164 times ranked	4390 citing authors

#	Article	IF	Citations
1	Thermal behavior and kinetics of the reaction between liquid sodium and calcium hydroxide. Journal of Thermal Analysis and Calorimetry, 2022, 147, 4635-4643.	2.0	1
2	Influence of atmospheric CO2 on the thermal decomposition of perlite concrete. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5801-5813.	2.0	9
3	Thermal decomposition of perlite concrete under different water vapor pressures. Journal of Thermal Analysis and Calorimetry, 2022, 147, 6309-6322.	2.0	6
4	Kinetics of component reactions in calcium looping appeared during the multistep thermal decomposition of Portland cement under various atmospheric conditions. Chemical Engineering Journal, 2022, 428, 131197.	6.6	19
5	An advanced kinetic approach to the multistep thermal dehydration of calcium sulfate dihydrate under different heating and water vapor conditions: kinetic deconvolution and universal isoconversional analyses. Physical Chemistry Chemical Physics, 2022, 24, 9492-9508.	1.3	10
6	Thermally Stimulated Liquid Naâ€“CaCO₃ Reaction: A Physicogeometrical Kinetic Approach toward the Safety Assessment of Na-Cooled Fast Reactors. Industrial & Engineering Chemistry Research, 2022, 61, 2759-2770.	1.8	0
7	Individual effects of atmospheric water vapor and carbon dioxide on the kinetics of the thermal decomposition of granular malachite. Physical Chemistry Chemical Physics, 2022, 24, 11039-11053.	1.3	3
8	Kinetic Parameterization of the Effects of Atmospheric and Self-Generated Carbon Dioxide on the Thermal Decomposition of Calcium Carbonate. Journal of Physical Chemistry C, 2022, 126, 7880-7895.	1.5	12
9	Physico-geometrical kinetics of the thermal dehydration of sodium carbonate monohydrate as a compacted composite of inorganic hydrate comprising crystalline particles and matrix. Physical Chemistry Chemical Physics, 2022, 24, 15736-15748.	1.3	3
10	Thermal decomposition of spherically granulated malachite: physico-geometrical constraints and overall kinetics. Physical Chemistry Chemical Physics, 2021, 23, 15107-15118.	1.3	3
11	Universal Kinetics of the Thermal Decomposition of Synthetic Smithsonite over Different Atmospheric Conditions. Journal of Physical Chemistry C, 2021, 125, 1384-1402.	1.5	16
12	Apparent autocatalysis due to liquefaction: thermal decomposition of ammonium 3,4,5-trinitropyrazolate. Physical Chemistry Chemical Physics, 2021, 23, 11797-11806.	1.3	10
13	Thermally Induced Aragoniteâ€“Calcite Transformation in Freshwater Pearl: A Mutual Relation with the Thermal Dehydration of Included Water. ACS Omega, 2021, 6, 13904-13914.	1.6	11
14	Geometrical constraints of thermal dehydration of Î²-calcium sulfate hemihydrate induced by self-generated water vapor. Physical Chemistry Chemical Physics, 2021, 23, 22972-22983.	1.3	5
15	Effects of Particle Size on the Kinetics of Physico-geometrical Consecutive Reactions in Solidâ€“Gas Systems: Thermal Decomposition of Potassium Hydrogen Carbonate. Journal of Physical Chemistry C, 2021, 125, 22023-22035.	1.5	10
16	Discovering the Chemical Mechanism of Common Heating Agents: A Stepwise Inquiry with Student-Designed Experiments in a High School Laboratory Course. Journal of Chemical Education, 2021, 98, 673-677.	1.1	1
17	Thermally induced dehydration reactions of monosodium <scp>l</scp>-glutamate monohydrate: dehydration of solids accompanied by liquefaction. Physical Chemistry Chemical Physics, 2021, 24, 129-141.	1.3	4
18	Physico-Geometrical Kinetic Modeling of the Thermal Decomposition of Magnesium Hydroxide. Journal of Physical Chemistry C, 2020, 124, 2458-2471.	1.5	28

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19	Stepwise Approach to Hessâ€™s Law Using Household Desiccants: A Laboratory Learning Program for High School Chemistry Courses. Journal of Chemical Education, 2020, 97, 166-171.	1.1	5
20	Kinetics of contracting geometry-type reactions in the solid state: implications from the thermally induced transformation processes of Î±-oxalic acid dihydrate. Physical Chemistry Chemical Physics, 2020, 22, 19560-19572.	1.3	13
21	Physico-Geometrical Interpretation of the Kinetic Behavior of the Thermal Dehydration of Î²-Maltose Monohydrate. Industrial & Engineering Chemistry Research, 2020, 59, 17828-17836.	1.8	5
22	Thermal dehydration of calcium sulfate dihydrate: physico-geometrical kinetic modeling and the influence of self-generated water vapor. Physical Chemistry Chemical Physics, 2020, 22, 22436-22450.	1.3	12
23	Revealing the effect of water vapor pressure on the kinetics of thermal decomposition of magnesium hydroxide. Physical Chemistry Chemical Physics, 2020, 22, 13637-13649.	1.3	32
24	Kinetic analysis of the multistep thermal decomposition of Maya Blue-type pigments to evaluate thermal stability. Journal of Thermal Analysis and Calorimetry, 2020, 142, 1073-1085.	2.0	5
25	ICTAC Kinetics Committee recommendations for analysis of multi-step kinetics. Thermochimica Acta, 2020, 689, 178597.	1.2	482
26	Thermal Dehydration of Lithium Sulfate Monohydrate Revisited with Universal Kinetic Description over Different Temperatures and Atmospheric Water Vapor Pressures. Journal of Physical Chemistry C, 2020, 124, 11960-11976.	1.5	24
27	Universal Kinetic Description for Thermal Decomposition of Copper(II) Hydroxide over Different Water Vapor Pressures. Journal of Physical Chemistry C, 2019, 123, 20903-20915.	1.5	30
28	Thermal Decomposition of Maya Blue: Extraction of Indigo Thermal Decomposition Steps from a Multistep Heterogeneous Reaction Using a Kinetic Deconvolution Analysis. Molecules, 2019, 24, 2515.	1.7	15
29	Thermal behavior of perlite concrete used in a sodium-cooled fast reactor. Journal of Thermal Analysis and Calorimetry, 2019, 138, 983-996.	2.0	9
30	Critical Appraisal of Kinetic Calculation Methods Applied to Overlapping Multistep Reactions. Molecules, 2019, 24, 2298.	1.7	65
31	Impact of atmospheric water vapor on the thermal decomposition of calcium hydroxide: a universal kinetic approach to a physico-geometrical consecutive reaction in solidâ€“gas systems under different partial pressures of product gas. Physical Chemistry Chemical Physics, 2019, 21, 11615-11632.	1.3	38
32	Comparative study on the thermal behavior of structural concretes of sodium-cooled fast reactor. Journal of Thermal Analysis and Calorimetry, 2019, 137, 1211-1224.	2.0	9
33	Heterogeneous Kinetic Features of the Overlapping Thermal Dehydration and Melting of Thermal Energy Storage Material: Sodium Thiosulfate Pentahydrate. Journal of Physical Chemistry C, 2018, 122, 8480-8490.	1.5	18
34	Multistep thermal decomposition of granular sodium perborate tetrahydrate: a kinetic approach to complex reactions in solidâ€“gas systems. Physical Chemistry Chemical Physics, 2018, 20, 12557-12573.	1.3	15
35	Thermal Decomposition of Biomineralized Calcium Carbonate: Correlation between the Thermal Behavior and Structural Characteristics of Avian Eggshell. ACS Sustainable Chemistry and Engineering, 2018, 6, 5283-5295.	3.2	38
36	Thermal behavior of sodium hydroxideâ€“structural concrete composition of sodium-cooled fast reactor. Journal of Thermal Analysis and Calorimetry, 2018, 131, 301-308.	2.0	8

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37	Thermally induced carbonation of Ca(OH)₂ in a CO₂ atmosphere: kinetic simulation of overlapping mass-loss and mass-gain processes in a solidâ€“gas system. Physical Chemistry Chemical Physics, 2018, 20, 26173-26189.	1.3	32
38	Characterization of Carbon/Carbon Composites by Kinetic Deconvolution Analysis for a Thermal Oxidation Process: An Examination Using a Series of Mechanical Pencil Leads. Industrial & Engineering Chemistry Research, 2018, 57, 14460-14469.	1.8	4
39	Obituary Note: Prof. JosÃ© Manuel Criado. Thermochimica Acta, 2018, 663, A1.	1.2	0
40	Kinetics and Mechanisms of the Thermal Decomposition of Copper(II) Hydroxide: A Consecutive Process Comprising Induction Period, Surface Reaction, and Phase Boundary-Controlled Reaction. Journal of Physical Chemistry C, 2018, 122, 12869-12879.	1.5	30
41	Physico-Geometric Approach to the Kinetics of Overlapping Solid-State Reactions. Handbook of Thermal Analysis and Calorimetry, 2018, , 213-251.	1.6	27
42	Kinetic analysis of overlapping multistep thermal decomposition comprising exothermic and endothermic processes: thermolysis of ammonium dinitramide. Physical Chemistry Chemical Physics, 2017, 19, 3254-3264.	1.3	59
43	Sample Controlled Thermal Analysis (SCTA) as a Promising Tool for Kinetic Characterization of Solid-State Reaction and Controlled Material Synthesis. Hot Topics in Thermal Analysis and Calorimetry, 2017, , 11-43.	0.5	15
44	Kinetic characterization of multistep thermal oxidation of carbon/carbon composite in flowing air. Journal of Thermal Analysis and Calorimetry, 2017, 128, 891-906.	2.0	20
45	Model Experiment of Thermal Runaway Reactions Using the Aluminumâ€“Hydrochloric Acid Reaction. Journal of Chemical Education, 2016, 93, 1261-1266.	1.1	13
46	Reactivity of Household Oxygen Bleaches: A Stepwise Laboratory Exercise in High School Chemistry Course. Journal of Chemical Education, 2016, 93, 1415-1421.	1.1	12
47	Thermal Decomposition of Silver Acetate: Physico-Geometrical Kinetic Features and Formation of Silver Nanoparticles. Journal of Physical Chemistry C, 2016, 120, 8841-8854.	1.5	63
48	Stepwise Inquiry into Hard Water in a High School Chemistry Laboratory. Journal of Chemical Education, 2016, 93, 1923-1928.	1.1	9
49	Kinetic approach to multistep thermal behavior of Ag 2 CO 3 â€“graphite mixtures: Possible formation of intermediate solids with Ag 2 Oâ€“Ag and Ag 2 CO 3 â€“Ag coreâ€“shell structures. Thermochimica Acta, 2016, 644, 50-60.	1.2	6
50	Thermal degradation of poly(lactic acid) oligomer: Reaction mechanism and multistep kinetic behavior. Polymer Degradation and Stability, 2016, 134, 284-295.	2.7	38
51	Experimental study and kinetic analysis on sodium oxideâ€“silica reaction. Journal of Nuclear Science and Technology, 2016, 53, 682-691.	0.7	16
52	Permeability and permittivity spectra of substituted barium Ferrites BaFe12â^'x(Ti0.5Co0.5)xO19(x=0 to 5). Journal of Magnetism and Magnetic Materials, 2016, 399, 64-71.	1.0	18
53	Identifying Liquidâ€“Gas System Misconceptions and Addressing Them Using a Laboratory Exercise on Pressureâ€“Temperature Diagrams of a Mixed Gas Involving Liquidâ€“Vapor Equilibrium. Journal of Chemical Education, 2016, 93, 79-85.	1.1	3
54	Kinetic study on liquid sodiumâ€“silica reaction for safety assessment of sodium-cooled fast reactor. Journal of Thermal Analysis and Calorimetry, 2015, 121, 45-55.	2.0	12

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55	Thermal Decomposition of Tin(II) Oxyhydroxide and Subsequent Oxidation in Air: Kinetic Deconvolution of Overlapping Heterogeneous Processes. Journal of Physical Chemistry C, 2015, 119, 16188-16199.	1.5	48
56	Exothermic Behavior of Thermal Decomposition of Sodium Percarbonate: Kinetic Deconvolution of Successive Endothermic and Exothermic Processes. Journal of Physical Chemistry A, 2015, 119, 9761-9769.	1.1	30
57	Multistep Kinetic Behavior of the Thermal Decomposition of Granular Sodium Percarbonate: Hindrance Effect of the Outer Surface Layer. Journal of Physical Chemistry A, 2015, 119, 9749-9760.	1.1	32
58	Using a Laboratory Inquiry with High School Students To Determine the Reaction Stoichiometry of Neutralization by a Thermochemical Approach. Journal of Chemical Education, 2015, 92, 1526-1530.	1.1	10
59	Mutual Relationship between Solid-State Aragoniteâ€“Calcite Transformation and Thermal Dehydration of Included Water in Coral Aragonite. Crystal Growth and Design, 2014, 14, 879-887.	1.4	27
60	Physico-Geometrical Kinetics of Solid-State Reactions in an Undergraduate Thermal Analysis Laboratory. Journal of Chemical Education, 2014, 91, 239-245.	1.1	25
61	Kinetic Modeling for Thermal Dehydration of Ferrous Oxalate Dihydrate Polymorphs: A Combined Model for Induction Periodâ€“Surface Reactionâ€“Phase Boundary Reaction. Journal of Physical Chemistry A, 2014, 118, 2401-2412.	1.1	54
62	Multistep Kinetic Behavior in the Thermal Degradation of Poly(<scp>l</scp>-Lactic Acid): A Physico-Geometrical Kinetic Interpretation. Journal of Physical Chemistry B, 2014, 118, 11397-11405.	1.2	33
63	A Simple Oxygen Detector Using Zincâ€“Air Battery. Journal of Chemical Education, 2014, 91, 297-299.	1.1	5
64	Physico-Geometrical Mechanism and Overall Kinetics of Thermally Induced Oxidative Decomposition of Tin(II) Oxalate in Air: Formation Process of Microstructural Tin(IV) Oxide. Journal of Physical Chemistry C, 2014, 118, 17847-17861.	1.5	34
65	Phenomenological Kinetics of the Carbonation Reaction of Lithium Hydroxide Monohydrate: Role of Surface Product Layer and Possible Existence of a Liquid Phase. Journal of Physical Chemistry C, 2014, 118, 5424-5436.	1.5	38
66	Phenomenological Interpretation of the Multistep Thermal Decomposition of Silver Carbonate To Form Silver Metal. Journal of Physical Chemistry C, 2014, 118, 8059-8070.	1.5	35
67	ICTAC Kinetics Committee recommendations for collecting experimental thermal analysis data for kinetic computations. Thermochimica Acta, 2014, 590, 1-23.	1.2	929
68	The Ozawaâ€™s generalized time concept and YZ-master plots as a convenient tool for kinetic analysis of complex processes. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1437-1446.	2.0	16
69	Ozawaâ€™s kinetic method for analyzing thermoanalytical curves. Journal of Thermal Analysis and Calorimetry, 2013, 113, 1527-1541.	2.0	151
70	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
71	Kinetics and Mechanism of the Thermal Decomposition of Sodium Percarbonate: Role of the Surface Product Layer. Journal of Physical Chemistry A, 2013, 117, 1880-1889.	1.1	57
72	Aragonite Crystal Growth and Solid-State Aragoniteâ€“Calcite Transformation: A Physicoâ€“Geometrical Relationship via Thermal Dehydration of Included Water. Crystal Growth and Design, 2013, 13, 2238-2246.	1.4	50

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73	Thermal Decomposition of Silver Carbonate: Phenomenology and Physicogeometrical Kinetics. Journal of Physical Chemistry C, 2013, 117, 326-336.	1.5	64
74	Magnetic phase transitions in substituted barium ferrites BaFe12â˜'x(Ti0.5Co0.5)xO19 (x=0â€“5). Journal of Magnetism and Magnetic Materials, 2013, 325, 36-41.	1.0	55
75	Kinetic approach to partially overlapped thermal decomposition processes. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1463-1474.	2.0	113
76	Energy Diagram for the Catalytic Decomposition of Hydrogen Peroxide. Journal of Chemical Education, 2013, 90, 633-636.	1.1	23
77	Neutralization and Acid Dissociation of Hydrogen Carbonate Ion: A Thermochemical Approach. Journal of Chemical Education, 2013, 90, 637-641.	1.1	10
78	Chemical Composition of Sodium Percarbonate: An Inquiry-Based Laboratory Exercise. Journal of Chemical Education, 2013, 90, 1048-1052.	1.1	18
79	Influence of Preliminary Nucleation on the Physicogeometric Kinetics of Glass Crystallization. Hot Topics in Thermal Analysis and Calorimetry, 2012, , 209-223.	0.5	1
80	Thermal Dehydration of Magnesium Acetate Tetrahydrate: Formation and in Situ Crystallization of Anhydrous Glass. Journal of Physical Chemistry B, 2012, 116, 14477-14486.	1.2	55
81	Some Fundamental and Historical Aspects of Phenomenological Kinetics in the Solid State Studied by Thermal Analysis. Hot Topics in Thermal Analysis and Calorimetry, 2012, , 1-28.	0.5	11
82	Effect of Atmospheric Water Vapor on the Thermally Induced Crystallization in Zirconia Gel. Journal of the American Ceramic Society, 2012, 95, 557-564.	1.9	14
83	Monohydrocalcite in Comparison with Hydrated Amorphous Calcium Carbonate: Precipitation Condition and Thermal Behavior. Crystal Growth and Design, 2011, 11, 3877-3884.	1.4	58
84	Thermal Dehydration of Monohydrocalcite: Overall Kinetics and Physico-geometrical Mechanisms. Journal of Physical Chemistry A, 2011, 115, 10491-10501.	1.1	57
85	Formation and Transformation Kinetics of Amorphous Iron(III) Oxide during the Thermally Induced Transformation of Ferrous Oxalate Dihydrate in Air. Journal of Physical Chemistry A, 2011, 115, 141-151.	1.1	27
86	Phenomenological Kinetics of the Thermal Decomposition of Sodium Hydrogencarbonate. Journal of Physical Chemistry A, 2011, 115, 14417-14429.	1.1	30
87	Laboratory Inquiry for Determining the Chemical Composition of a Component in a Daily Use Detergent: Sodium Sesquicarbonate. Journal of Chemical Education, 2011, 88, 1309-1313.	1.1	9
88	Thermally induced transformations of calcium carbonate polymorphs precipitated selectively in ethanol/water solutions. Thermochimica Acta, 2011, 512, 13-21.	1.2	18
89	Effect of atmosphericwater vapor on the kinetics of thermal decomposition of copper(II) carbonate hydroxide. Journal of Thermal Analysis and Calorimetry, 2009, 95, 483-487.	2.0	14
90	Influences of evolved gases on the thermal decomposition of zinc carbonate hydroxide evaluated by controlled rate evolved gas analysis coupled With TG. Journal of Thermal Analysis and Calorimetry, 2009, 95, 489-493.	2.0	21

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91	Catalytic Action of Atmospheric Water Vapor on the Thermal Decomposition of Synthetic Hydrozincite. Transactions of the Materials Research Society of Japan, 2009, 34, 343-346.	0.2	11
92	Effect of mechanical grinding on the reaction pathway and kinetics of the thermal decomposition of hydromagnesite. Journal of Thermal Analysis and Calorimetry, 2008, 93, 963-971.	2.0	18
93	Thermal behaviors of amorphous calcium carbonates prepared in aqueous and ethanol media. Journal of Thermal Analysis and Calorimetry, 2008, 94, 379-387.	2.0	42
94	Thermal decomposition of synthetic antlerite prepared by microwave-assisted hydrothermal method. Thermochimica Acta, 2008, 467, 11-19.	1.2	30
95	Thermal Decomposition of Indium(III) Hydroxide Prepared by the Microwaveâ€Assisted Hydrothermal Method. Journal of the American Ceramic Society, 2008, 91, 4052-4058.	1.9	57
96	Preparation of substituted barium ferrite BaFe12â^'x(Ti0.5Co0.5)xO19 by citrate precursor method and compositional dependence of their magnetic properties. Journal of Magnetism and Magnetic Materials, 2007, 313, 168-175.	1.0	62
97	Thermal dehydration of lithium metaborate dihydrate and phase transitions of anhydrous product. Thermochimica Acta, 2006, 443, 197-205.	1.2	15
98	New assembled Fe-trans-1,2-bis(4-pyridyl)ethylene-NCS(NCSe) complexes â€“ hydrogen bonded and Ï€â€“Ï€ interacted structure and grid structure enclathrating ligand. Inorganica Chimica Acta, 2005, 358, 257-264.	1.2	17
99	Kinetics of the thermal decomposition of sodium hydrogencarbonate evaluated by controlled rate evolved gas analysis coupled with thermogravimetry. Thermochimica Acta, 2005, 431, 38-43.	1.2	31
100	Influences of product gases on the kinetics of thermal decomposition of synthetic malachite evaluated by controlled rate evolved gas analysis coupled with thermogravimetry. International Journal of Chemical Kinetics, 2005, 37, 346-354.	1.0	32
101	Thermal dehydration of dipotassium tetraborate tetrahydrate and crystallization of amorphous dehydration product. Journal of Thermal Analysis and Calorimetry, 2005, 80, 71-75.	2.0	11
102	A comparative study of the effects of decomposition rate control and mechanical grinding on the thermal decomposition of aluminum hydroxide. Journal of Thermal Analysis and Calorimetry, 2005, 81, 595-601.	2.0	12
103	Thermal decomposition of copper(II) and zinc carbonate hydroxides by means of TG-MS. Journal of Thermal Analysis and Calorimetry, 2005, 82, 725-729.	2.0	35
104	Controlled rate thermal decomposition of synthetic bayerite under vacuum. Solid State Ionics, 2004, 172, 253-256.	1.3	11
105	Magnetic Temperature Standards for TG. Journal of Thermal Analysis and Calorimetry, 2003, 72, 1109-1116.	2.0	17
106	A unified theory for the kinetic analysis of solid state reactions under any thermal pathway. Journal of Thermal Analysis and Calorimetry, 2003, 72, 901-906.	2.0	130
107	A physico-geometric approach to the kinetics of solid-state reactions as exemplified by the thermal dehydration and decomposition of inorganic solids. Thermochimica Acta, 2002, 388, 41-61.	1.2	127
108	A Kinetic Aspect of the Thermal Dehydration of Dilithium Tetraborate Trihydrate. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2002, 67, 153-161.	1.4	16

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109	Preparation and Thermal Decomposition of Synthetic Bayerite. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2001, 64, 965-972.	1.4	14
110	Title is missing!. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 60, 667-674.	1.4	10
111	Kinetic Analysis of the Thermal Decomposition of Synthetic Malachite by CRTA. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2000, 60, 943-954.	1.4	37
112	Kinetic Analysis of Solid-State Reactions:Â The Universality of Master Plots for Analyzing Isothermal and Nonisothermal Experiments. Journal of Physical Chemistry A, 2000, 104, 10777-10782.	1.1	519
113	Crystal Nucleation and Growth in Lithium Diborate Glass by Thermal Analysis. Journal of the American Ceramic Society, 2000, 83, 1753-1760.	1.9	30
114	Apparent kinetic behavior of the thermal decomposition of synthetic malachite. Thermochimica Acta, 1999, 340-341, 387-394.	1.2	36
115	The influence of mass transfer phenomena on the kinetic analysis for the thermal decomposition of calcium carbonate by constant rate thermal analysis (CRTA) under vacuum. International Journal of Chemical Kinetics, 1998, 30, 737-744.	1.0	93
116	Crystallization of amorphous calcium carbonate. Thermochimica Acta, 1998, 318, 239-244.	1.2	211
117	Kinetic Analyses of Solidâ€State Reactions with a Particleâ€Size Distribution. Journal of the American Ceramic Society, 1998, 81, 2901-2909.	1.9	108
118	Kinetics and mechanism of the isothermal dehydration of zinc acetate dihydrate. Thermochimica Acta, 1997, 303, 69-76.	1.2	15
119	Accommodation of the actual solid-state process in the kinetic model function. Part 2. Applicability of the empirical kinetic model function to diffusion-controlled reactions. Thermochimica Acta, 1996, 282-283, 69-80.	1.2	56
120	A kinetic study of the thermal decomposition of iron(III) oxide-hydroxides. Part 3. Shape control and thermal decomposition of Î±-FeO(OH). Thermochimica Acta, 1996, 282-283, 81-90.	1.2	9
121	Kinetic analysis of thermoanalytical data by extrapolating to infinite temperature. Thermochimica Acta, 1995, 258, 145-159.	1.2	161
122	A kinetic study of the thermal decomposition of iron(III) hydroxide-oxides Part 2. Preparation and thermal decomposition of Î³-FeO(OH). Thermochimica Acta, 1995, 267, 195-208.	1.2	14
123	A kinetic study of the thermal decomposition of iron(III) hydroxide oxides. Part 1. Î±-FeO(OH) in banded iron formations. Thermochimica Acta, 1995, 254, 193-207.	1.2	19
124	Thermal Dehydration of Crystalline Hydrates: Microscopic Studies and Introductory Experiments to the Kinetics of Solid-State Reactions. Journal of Chemical Education, 1995, 72, 251.	1.1	70
125	Kinetic and Morphological Studies of the Thermal Dehydration of .alpha.-Nickel(II) Sulfate Hexahydrate. The Journal of Physical Chemistry, 1994, 98, 10521-10528.	2.9	53
126	Effect of sample mass on the kinetics of thermal decomposition of a solid. Part 3. Non-isothermal mass-loss process of molten NH4NO3. Thermochimica Acta, 1994, 240, 141-151.	1.2	45

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127	Accommodation of the actual solid-state process in the kinetic model function. Journal of Thermal Analysis, 1994, 41, 455-469.	0.7	51
128	A review of the mutual dependence of Arrhenius parameters evaluated by the thermoanalytical study of solid-state reactions: The kinetic compensation effect. Thermochimica Acta, 1994, 244, 1-20.	1.2	204
129	The kinetics of the isothermal dehydration of lithium sulfate monohydrate under a self-generated temperature condition. Thermochimica Acta, 1993, 224, 141-149.	1.2	8
130	Thermoanalytical and microscopic investigations of the thermal dehydration of Î±-nickel (II) sulphate hexahydrate. Journal of Thermal Analysis, 1993, 40, 1165-1172.	0.7	8
131	Effect of sample mass on the kinetics of thermal decomposition of a solid. Journal of Thermal Analysis, 1993, 40, 1173-1179.	0.7	40
132	Effect of sample mass on the kinetics of thermal decomposition of a solid. Thermochimica Acta, 1992, 209, 127-134.	1.2	48
133	Thermoanalytical kinetics for solid state reactions as exemplified by the thermal dehydration of Li2SO4 Â· H2O. Thermochimica Acta, 1992, 203, 203-220.	1.2	34
134	Problems of YBa2Cu3Ox formation and decomposition kinetics and mechanism. Thermochimica Acta, 1992, 203, 321-337.	1.2	25
135	Kinetics of crystallization in the soda-lime-silica system. Thermochimica Acta, 1992, 203, 361-372.	1.2	38
136	On the fractional conversion Î± in the kinetic description of solid-state reactions. Journal of Thermal Analysis, 1992, 38, 2553-2557.	0.7	15
137	Factors affecting the experimentally resolved shapes of TG curves. Journal of Thermal Analysis, 1992, 38, 575-582.	0.7	14
138	Kinetic compensation effect as a mathematical consequence of the exponential rate constant. Thermochimica Acta, 1991, 182, 201-208.	1.2	117
139	Thermogravimetry of basic copper(II) sulphates obtained by titrating NaOH solution with CuSO4 solution. Thermochimica Acta, 1991, 182, 281-292.	1.2	24
140	Kinetic analysis of the nonisothermal dehydration of lithium sulfate monohydrate. Thermochimica Acta, 1991, 185, 135-140.	1.2	15
141	Conventional kinetic analysis of the thermogravimetric curves for the thermal decomposition of a solid. Thermochimica Acta, 1991, 183, 125-136.	1.2	19
142	Distortion of the Arrhenius parameters by the inappropriate kinetic model function. Thermochimica Acta, 1991, 188, 333-336.	1.2	92
143	A kinetic compensation effect established for the thermal decomposition of a solid. Journal of Thermal Analysis, 1991, 37, 347-363.	0.7	74
144	Further aspects of the kinetic compensation effect. Journal of Thermal Analysis, 1991, 37, 1103-1108.	0.7	67

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145	Self-cooling effect on the kinetics of nonisothermal dehydration of lithium sulfate monohydrate. Journal of Thermal Analysis, 1990, 36, 2601-2610.	0.7	49
146	Kinetics of nonisothermal dehydration of crushed crystals of potassium copper(II) chloride dihydrate. Thermochimica Acta, 1990, 163, 295-302.	1.2	12
147	Kinetic study of the thermal dehydration of copper(II) acetate monohydrate. Thermochimica Acta, 1990, 173, 53-62.	1.2	9
148	Kinetic study of the thermal dehydration of copper (II) acetate monohydrate I. Single crystal material. Solid State Ionics, 1990, 44, 1-9.	1.3	20
149	A kinetic and microscopic investigation of the thermal dehydration of lithium sulphate monohydrate. Journal of the Chemical Society, Faraday Transactions, 1990, 86, 531.	1.7	57
150	The thermal decomposition of basic copper(II) sulfate: An undergraduate thermal analysis experiment. Journal of Chemical Education, 1990, 67, 612.	1.1	27
151	Kinetics and mechanisms of the thermal dehydration of dilithium sulfate monohydrate. The Journal of Physical Chemistry, 1989, 93, 7793-7798.	2.9	58
152	Kinetics of thermal decomposition of MCO3 to MO (M=Ca, Sr and Ba). Journal of Thermal Analysis, 1988, 34, 177-188.	0.7	28
153	Kinetic compensation effect between the isothermal and non-isothermal decomposition of solids. Journal of Thermal Analysis, 1988, 34, 685-691.	0.7	30
154	Preparation amd thermal decomposition of basic copper(II) sulfates. Thermochimica Acta, 1988, 133, 221-226.	1.2	20
155	Polarizing microscopy for examining mechanisms of the decomposition of single crystal materials. Thermochimica Acta, 1988, 133, 227-232.	1.2	13
156	Significance of kinetic compensation effect in the thermal decomposition of a solid. Thermochimica Acta, 1988, 135, 79-84.	1.2	22
157	Kinetics of the thermal dehydration of potassium copper(II) chloride dihydrate. The Journal of Physical Chemistry, 1988, 92, 7023-7029.	2.9	57
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