

Christoph Schick

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

428
papers

16,453
citations

68
h-index

104
g-index

459
ext. papers

18,101
ext. citations

4
avg, IF

7.01
L-index

#	Paper	IF	Citations
428	Zero-Entropy-Production Melting Temperature of Crystals of Poly(butylene succinate) Formed at High Supercooling of the Melt. <i>Macromolecules</i> , 2022 , 55, 965-970	5.5	2
427	Bulk enthalpy of melting of poly(L-lactic acid) (PLLA) determined by fast scanning chip calorimetry.. <i>Macromolecular Rapid Communications</i> , 2022 , e2200148	4.8	0
426	Step-scan differential calorimetry of protein denaturation: Modeling and experiment. <i>Thermochimica Acta</i> , 2022 , 710, 179181	2.9	0
425	Nucleation and crystallization kinetics of polyamide 12 investigated by fast scanning calorimetry. <i>Journal of Polymer Science</i> , 2022 , 60, 842-855	2.4	0
424	Fast Scanning Calorimetry 2022 , 75-168		
423	Crystal Nucleation and Growth in Cross-Linked Poly(ϵ -caprolactone) (PCL). <i>Polymers</i> , 2021 , 13,	4.5	2
422	Application of the Flash DSC 1 and 2+ for vapor pressure determination above solids and liquids. <i>Thermochimica Acta</i> , 2021 , 706, 179067	2.9	1
421	Variations of interfacial thermal conductance at melting and crystallization of an indium micro-particle in contact with a solid. <i>Materials and Design</i> , 2021 , 201, 109475	8.1	5
420	The Narrow Thickness Distribution of Lamellae of Poly(butylene succinate) Formed at Low Melt Supercooling. <i>Macromolecules</i> , 2021 , 54, 3366-3376	5.5	7
419	Nucleation behaviour and microstructure of single Al-Si12 powder particles rapidly solidified in a fast scanning calorimeter. <i>Journal of Materials Science</i> , 2021 , 56, 12881-12897	4.3	4
418	Extending Cooling Rate Performance of Fast Scanning Chip Calorimetry by Liquid Droplet Cooling. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 3813	2.6	2
417	Crystallization kinetics and glass-forming ability of rapidly crystallizing drugs studied by Fast Scanning Calorimetry. <i>International Journal of Pharmaceutics</i> , 2021 , 599, 120427	6.5	7
416	Thermal Stability and Nucleation Efficacy of Shear-Induced Pointlike and Shishlike Crystallization Precursors.. <i>ACS Macro Letters</i> , 2021 , 10, 684-689	6.6	2
415	Surface Crystal Nucleation and Growth in Poly (ϵ -caprolactone): Atomic Force Microscopy Combined with Fast Scanning Chip Calorimetry. <i>Polymers</i> , 2021 , 13,	4.5	2
414	Insertion-Crystallization-Induced Low-Temperature Annealing Peaks in Melt-Crystallized Poly(L-Lactic Acid). <i>Macromolecular Chemistry and Physics</i> , 2021 , 222, 2100177	2.6	4
413	Assessment of AlZnMgCu alloy powder modification for crack-free laser powder bed fusion by differential fast scanning calorimetry. <i>Materials and Design</i> , 2021 , 204, 109677	8.1	6
412	Kinetics of homogeneous crystal nucleation of polyamide 11 near the glass transition temperature. <i>Polymer Crystallization</i> , 2021 , 4,	0.9	1

411	Spatial inhomogeneity, interfaces and complex vitrification kinetics in a network forming nanocomposite. <i>Soft Matter</i> , 2021 , 17, 2775-2790	3.6	6
410	Integro-Differential Equation for the Non-Equilibrium Thermal Response of Glass-Forming Materials: Analytical Solutions. <i>Symmetry</i> , 2021 , 13, 256	2.7	2
409	Melting Properties of Peptides and Their Solubility in Water. Part 2: Di- and Tripeptides Based on Glycine, Alanine, Leucine, Proline, and Serine. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 4693-4704	3.9	7
408	Reprint of: Nanocalorimetry: Door opened for in situ material characterization under extreme non-equilibrium conditions. <i>Progress in Materials Science</i> , 2021 , 120, 100819	42.2	1
407	Crystallization kinetics, polymorphism fine tuning, and rigid amorphous fraction of poly(vinylidene fluoride) blends. <i>Polymer Crystallization</i> , 2021 , 4, e10205	0.9	0
406	On the crystal stabilization during two-step isothermal crystallization of poly(butylene terephthalate) examined by fast scanning calorimetry. <i>Polymer</i> , 2021 , 230, 124057	3.9	2
405	Melting Kinetics of Superheated Polymer Crystals Examined by Isothermal and Nonisothermal Fast Scanning Calorimetry. <i>Macromolecules</i> , 2021 , 54, 8770-8779	5.5	3
404	Maximum Possible Cooling Rate in Ultrafast Chip Nanocalorimetry: Fundamental Limitations Due to Thermal Resistance at the Membrane/Gas Interface. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 8224	2.6	
403	Fast Scanning Calorimetry of Organic Materials from Low Molecular Mass Materials to Polymers. <i>Reviews and Advances in Chemistry</i> , 2021 , 11, 1-72	0	2
402	Stability of Crystal Nuclei of Poly (butylene isophthalate) Formed Near the Glass Transition Temperature. <i>Polymers</i> , 2020 , 12,	4.5	9
401	Effect of multi-step annealing above the glass transition temperature on the crystallization and melting kinetics of semicrystalline polymers. <i>Polymer</i> , 2020 , 202, 122712	3.9	5
400	Steady-State Crystal Nucleation Rate of Polyamide 66 by Combining Atomic Force Microscopy and Fast-Scanning Chip Calorimetry. <i>Macromolecules</i> , 2020 , 53, 5560-5571	5.5	12
399	Morphology of Crystals of poly (butylene 2,6-naphthalate) crystallized via a liquid crystalline mesophase according to Ostwald's rule of stages. <i>Polymer</i> , 2020 , 194, 122404	3.9	0
398	Fingerprints of homogeneous nucleation and crystal growth in polyamide 66 as studied by combined infrared spectroscopy and fast scanning chip calorimetry. <i>Colloid and Polymer Science</i> , 2020 , 298, 697-706	2.4	9
397	Crystallization and melting of poly(butylene terephthalate) and poly(ethylene terephthalate) investigated by fast-scan chip calorimetry and small angle X-ray scattering. <i>Polymer</i> , 2020 , 192, 122303	3.9	16
396	Full-composition-range glass transition behavior of the polymer/solvent system poly (lactic acid) / ethyl butylacetylaminopropionate (PLA/IR3535). <i>Polymer</i> , 2020 , 209, 123058	3.9	7
395	Melting properties of amino acids and their solubility in water.. <i>RSC Advances</i> , 2020 , 10, 44205-44215	3.7	14
394	Thermal contact conductance at melting and crystallization of metal micro-droplets. <i>Materials Research Express</i> , 2020 , 7, 066524	1.7	5

393	In situ investigation of precipitation in aluminium alloys via thermal diffusivity from laser flash analysis. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 140, 725-733	4.1	5
392	Sublimation thermodynamics of nucleobases derived from fast scanning calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 838-853	3.6	9
391	Kinetic stability of amorphous dipyrnidamole: A fast scanning calorimetry investigation. <i>International Journal of Pharmaceutics</i> , 2020 , 574, 118890	6.5	6
390	Using fast scanning calorimetry to study solid-state cyclization of dipeptide L-leucyl-L-leucine. <i>Thermochimica Acta</i> , 2020 , 692, 178748	2.9	4
389	Smart control of calixarene polymorphic states. <i>CrystEngComm</i> , 2020 , 22, 7002-7015	3.3	3
388	A DSC study of polypropylene chain branching effects on structure formation under rapid cooling and reheating from the amorphous glass. <i>Polymer Crystallization</i> , 2020 , 3, e10142	0.9	
387	A new method for heat capacity determination in supercooled liquid state using fast scanning calorimetry: Thermochemical study of 9,9'-bifluorenyl. <i>Thermochimica Acta</i> , 2020 , 694, 178805	2.9	7
386	General Concepts of Crystallization: Some Recent Results and Possible Future Developments. <i>Advances in Dielectrics</i> , 2020 , 1-21	0.6	2
385	The Origin of Annealing Peaks in Semicrystalline Polymers: Enthalpy Recovery or Melting?. <i>Macromolecules</i> , 2020 , 53, 8751-8756	5.5	12
384	Growth and dissolution of crystal nuclei in poly(l-lactic acid) (PLLA) in Tammann's development method. <i>Polymer</i> , 2020 , 196, 122453	3.9	16
383	Long-chain linear alcohols: Reconciliation of phase transition enthalpies. <i>Journal of Chemical Thermodynamics</i> , 2020 , 146, 106103	2.9	9
382	A fast scanning calorimetry study of nucleation in a Se ₉₀ Te ₁₀ glass. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2019 , 249, 114425	3.1	1
381	Using fast scanning calorimetry to detect guest-induced polymorphism by irreversible phase transitions in the nanogram scale. <i>CrystEngComm</i> , 2019 , 21, 1034-1041	3.3	5
380	High-speed dynamics of temperature distribution in ultrafast (up to 108 K/s) chip-nanocalorimeters, measured by infrared thermography of high resolution. <i>Journal of Applied Physics</i> , 2019 , 125, 054501	2.5	14
379	Polymer Crystallization Kinetics 2019 ,		1
378	Melt-recrystallization of poly (l-lactic acid) initially containing β -crystals. <i>Polymer</i> , 2019 , 176, 227-235	3.9	20
377	Fast scanning calorimetry: Sublimation thermodynamics of low volatile and thermally unstable compounds. <i>Thermochimica Acta</i> , 2019 , 676, 249-262	2.9	18
376	Visualization of Polymer Crystallization by In Situ Combination of Atomic Force Microscopy and Fast Scanning Calorimetry. <i>Polymers</i> , 2019 , 11,	4.5	13

375	Correlation between glass transition temperature and the width of the glass transition interval. <i>International Journal of Applied Glass Science</i> , 2019 , 10, 502-513	1.8	7
374	Kinetic stability of amorphous solid dispersions with high content of the drug: A fast scanning calorimetry investigation. <i>International Journal of Pharmaceutics</i> , 2019 , 562, 113-123	6.5	10
373	Experimental analysis of lateral thermal inhomogeneity of a specific chip-calorimeter sensor. <i>Thermochimica Acta</i> , 2019 , 674, 95-99	2.9	20
372	Melt-electrospinning of poly(ether ether ketone) fibers to avoid sulfonation. <i>Polymer</i> , 2019 , 171, 50-57	3.9	11
371	Melting of nucleobases. Getting the cutting edge of "Walden's Rule". <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 12787-12797	3.6	15
370	In situ differential scanning calorimetry analysis of dissolution and precipitation kinetics in Mg ₉₂ RE alloy WE43. <i>Journal of Magnesium and Alloys</i> , 2019 , 7, 1-14	8.8	10
369	Nanocalorimetry: Door opened for in situ material characterization under extreme non-equilibrium conditions. <i>Progress in Materials Science</i> , 2019 , 104, 53-137	42.2	29
368	Nanoscale Heat Conduction in CNT-POLYMER Nanocomposites at Fast Thermal Perturbations. <i>Molecules</i> , 2019 , 24,	4.8	6
367	Effect of Backbone Rigidity on the Glass Transition of Polymers of Intrinsic Microporosity Probed by Fast Scanning Calorimetry. <i>ACS Macro Letters</i> , 2019 , 8, 1022-1028	6.6	21
366	Bridging the local configurations and crystalline counterparts of bulk metallic glass by nanocalorimetry. <i>Journal of Materials Research and Technology</i> , 2019 , 8, 3603-3611	5.5	5
365	Machine-learning-assisted discovery of polymers with high thermal conductivity using a molecular design algorithm. <i>Npj Computational Materials</i> , 2019 , 5,	10.9	112
364	Influence of interfaces on the crystallization behavior and the rigid amorphous phase of poly(L-lactide)-based nanocomposites with different layered doubled hydroxides as nanofiller. <i>Polymer</i> , 2019 , 184, 121929	3.9	15
363	Enthalpy Relaxation of Polyamide 11 of Different Morphology Far Below the Glass Transition Temperature. <i>Entropy</i> , 2019 , 21, 984	2.8	14
362	Review of the Quench Sensitivity of Aluminium Alloys: Analysis of the Kinetics and Nature of Quench-Induced Precipitation. <i>Materials</i> , 2019 , 12,	3.5	17
361	Melting properties of peptides and their solubility in water. Part 1: dipeptides based on glycine or alanine.. <i>RSC Advances</i> , 2019 , 9, 32722-32734	3.7	21
360	Glass transition and primary crystallization of Al ₈₆ Ni ₆ Y _{4.5} Co ₂ La _{1.5} metallic glass at heating rates spanning over six orders of magnitude. <i>Scripta Materialia</i> , 2019 , 162, 146-150	5.6	12
359	Thermochemical properties of 1,2,3,4-tetraphenyl-naphthalene and 1,3,5-triphenylbenzene in crystalline and liquid states studied by solution and fast scanning calorimetry. <i>Journal of Molecular Liquids</i> , 2019 , 278, 394-400	6	16
358	Nucleation-controlled dual semicrystalline morphology of polyamide 11. <i>Polymer International</i> , 2019 , 68, 263-270	3.3	8

357	New experimental melting properties as access for predicting amino-acid solubility.. <i>RSC Advances</i> , 2018 , 8, 6365-6372	3.7	35
356	Fundamental thermal properties of polyvinyl alcohol by fast scanning calorimetry. <i>Polymer</i> , 2018 , 137, 145-155	3.9	35
355	Optical Microscopy to Study Crystal Nucleation in Polymers Using a Fast Scanning Chip Calorimeter for Precise Control of the Nucleation Pathway. <i>Macromolecular Chemistry and Physics</i> , 2018 , 219, 1700479 ⁶	2.6	32
354	Non-equilibrium fast thermal response of polymers. <i>Thermochimica Acta</i> , 2018 , 660, 82-93	2.9	6
353	Glasses of three alkyl phosphates show a range of kinetic stabilities when prepared by physical vapor deposition. <i>Journal of Chemical Physics</i> , 2018 , 148, 174503	3.9	12
352	First Clear-Cut Experimental Evidence of a Glass Transition in a Polymer with Intrinsic Microporosity: PIM-1. <i>Journal of Physical Chemistry Letters</i> , 2018 , 9, 2003-2008	6.4	44
351	Relaxation and crystal nucleation in polymer glasses. <i>European Polymer Journal</i> , 2018 , 102, 195-208	5.2	25
350	Insights into crystallization and melting of high density polyethylene/graphene nanocomposites studied by fast scanning calorimetry. <i>Polymer Testing</i> , 2018 , 67, 349-358	4.5	24
349	Crystallization, recrystallization, and melting of polymer crystals on heating and cooling examined with fast scanning calorimetry. <i>Polymer Crystallization</i> , 2018 , 1, e10005	0.9	17
348	Interplay between Free Surface and Solid Interface Nucleation on Two-Step Crystallization of Poly(ethylene terephthalate) Thin Films Studied by Fast Scanning Calorimetry. <i>Macromolecules</i> , 2018 , 51, 5209-5218	5.5	18
347	Novel method for fast scanning calorimetry of electrospun fibers. <i>Thermochimica Acta</i> , 2018 , 667, 65-72	2.9	3
346	The Calorimetric Glass Transition in a Wide Range of Cooling Rates and Frequencies. <i>Advances in Dielectrics</i> , 2018 , 307-351	0.6	4
345	Development of Direct and Indirect Methods for the Determination of Vaporization Enthalpies of Extremely Low-Volatile Compounds. <i>Handbook of Thermal Analysis and Calorimetry</i> , 2018 , 6, 1-46		7
344	Application of fast scanning calorimetry to the fusion thermochemistry of low-molecular-weight organic compounds: Fast-crystallizing m-terphenyl heat capacities in a deeply supercooled liquid state. <i>Thermochimica Acta</i> , 2018 , 668, 96-102	2.9	21
343	Nanometer scale thermal response of polymers to fast thermal perturbations. <i>Journal of Chemical Physics</i> , 2018 , 149, 074503	3.9	5
342	Recent Advances in Thermal Analysis and Calorimetry of Aluminum Alloys. <i>Handbook of Thermal Analysis and Calorimetry</i> , 2018 , 6, 735-779		1
341	Fast Scanning Chip Calorimetry. <i>Handbook of Thermal Analysis and Calorimetry</i> , 2018 , 47-102		5
340	Molecular weight and interfacial effect on the kinetic stabilization of ultrathin polystyrene films. <i>Polymer</i> , 2018 , 134, 204-210	3.9	4

339	Kauzmann paradox and the crystallization of glass-forming melts. <i>Journal of Non-Crystalline Solids</i> , 2018 , 501, 21-35	3.9	20
338	Nucleation-controlled semicrystalline morphology of bulk polymers. <i>Polymer Crystallization</i> , 2018 , 1, e10036	0.9	12
337	Enthalpy of formation and disordering temperature of transient monotropic liquid crystals of poly(butylene 2,6-naphthalate). <i>Polymer</i> , 2018 , 158, 77-82	3.9	5
336	Cold-crystallization of poly(butylene 2,6-naphthalate) following Ostwald's rule of stages. <i>Thermochimica Acta</i> , 2018 , 670, 71-75	2.9	6
335	Influence of the Cross-Link Density on the Rate of Crystallization of Poly(ϵ -Caprolactone). <i>Polymers</i> , 2018 , 10,	4.5	11
334	Fast scanning calorimetry of lysozyme unfolding at scanning rates from 5 K/min to 500,000 K/min. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2018 , 1862, 2024-2030	4	6
333	Determination of electrophysical and structural properties of human cancellous bone and synthetic bone substitute material using impedance spectroscopy and X-ray powder diffraction. <i>Acta of Bioengineering and Biomechanics</i> , 2018 , 20, 11-19	0.6	
332	Crystallization kinetics of poly(butylene terephthalate) and its talc composites. <i>Journal of Applied Polymer Science</i> , 2017 , 134,	2.9	17
331	Silk I and Silk II studied by fast scanning calorimetry. <i>Acta Biomaterialia</i> , 2017 , 55, 323-332	10.8	64
330	Characterization of human cancellous and subchondral bone with respect to electro physical properties and bone mineral density by means of impedance spectroscopy. <i>Medical Engineering and Physics</i> , 2017 , 45, 34-41	2.4	9
329	Comment on Re-exploring the double-melting behavior of semirigid-chain polymers with an in-situ combination of synchrotron nanofocus X-ray scattering and nanocalorimetry [By Ivanov et al. [European Polymer Journal 81 (2016) 598806.]. <i>European Polymer Journal</i> , 2017 , 94, 511-516	5.2	10
328	Unexpected behavior of ultra-thin films of blends of polystyrene/poly(vinyl methyl ether) studied by specific heat spectroscopy. <i>Journal of Chemical Physics</i> , 2017 , 146, 203321	3.9	10
327	Temperature fluctuations and the thermodynamic determination of the cooperativity length in glass forming liquids. <i>Journal of Chemical Physics</i> , 2017 , 146, 104501	3.9	18
326	Limited surface mobility inhibits stable glass formation for 2-ethyl-1-hexanol. <i>Journal of Chemical Physics</i> , 2017 , 146, 203317	3.9	17
325	Melting and recrystallization kinetics of poly(butylene terephthalate). <i>Polymer</i> , 2017 , 109, 307-314	3.9	41
324	Melting temperature and heat of fusion of cytosine revealed from fast scanning calorimetry. <i>Thermochimica Acta</i> , 2017 , 657, 47-55	2.9	35
323	Heat of fusion of polymer crystals by fast scanning calorimetry. <i>Polymer</i> , 2017 , 126, 240-247	3.9	32
322	Effect of molar mass on enthalpy relaxation and crystal nucleation of poly (l-lactic acid). <i>European Polymer Journal</i> , 2017 , 96, 361-369	5.2	27

321	Crystal reorganization of poly (butylene terephthalate). <i>Polymer</i> , 2017 , 124, 274-283	3.9	41
320	Homogeneous crystal nucleation in polymers. <i>Journal of Physics Condensed Matter</i> , 2017 , 29, 453002	1.8	65
319	Kinetics of Nucleation and Growth of Crystals of Poly(l-lactic acid). <i>Advances in Polymer Science</i> , 2017 , 235-272	1.3	38
318	Beating Homogeneous Nucleation and Tuning Atomic Ordering in Glass-Forming Metals by Nanocalorimetry. <i>Nano Letters</i> , 2017 , 17, 7751-7760	11.5	25
317	Dynamics of supercooled liquid and plastic crystalline ethanol: Dielectric relaxation and AC nanocalorimetry distinguish structural and Debye relaxation processes. <i>Journal of Chemical Physics</i> , 2017 , 147, 014502	3.9	20
316	The effect of self-nucleation on isothermal crystallization kinetics of poly(butylene succinate) (PBS) investigated by differential fast scanning calorimetry. <i>Chinese Journal of Polymer Science (English Edition)</i> , 2017 , 35, 1009-1019	3.5	22
315	Crystallization behavior of nanocomposites based on poly(l-lactide) and MgAl layered double hydroxides Unbiased determination of the rigid amorphous phases due to the crystals and the nanofiller. <i>Polymer</i> , 2017 , 108, 257-264	3.9	47
314	Heat transfer mechanisms analysed by high speed video recording of metal quenching in ionic liquids and water. <i>International Journal of Microstructure and Materials Properties</i> , 2016 , 11, 359	0.4	
313	Experimental and Theoretical Thermodynamic Study of Distillable Ionic Liquid 1,5-Diazabicyclo[4.3.0]non-5-enium Acetate. <i>Industrial & Engineering Chemistry Research</i> , 2016 , 55, 10445-10454	3.9	24
312	Continuous cooling precipitation diagram of aluminium alloy AA7150 based on a new fast scanning calorimetry and interrupted quenching method. <i>Materials Characterization</i> , 2016 , 120, 30-37	3.9	27
311	Experimental Test of Tammann's Nuclei Development Approach in Crystallization of Macromolecules. <i>International Polymer Processing</i> , 2016 , 31, 628-637	1	15
310	Two crystal populations with different melting/reorganization kinetics of isothermally crystallized polyamide 6. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 2126-2138	2.6	33
309	Vapor pressure of ionic liquids at low temperatures from AC-chip-calorimetry. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 21381-90	3.6	38
308	Supercooling-controlled heterogeneous and homogenous crystal nucleation of polyamide 11 and its effect onto the crystal/mesophase polymorphism. <i>Polymer</i> , 2016 , 106, 29-34	3.9	41
307	Lactoferrin-Immobilized Surfaces onto Functionalized PLA Assisted by the Gamma-Rays and Nitrogen Plasma to Create Materials with Multifunctional Properties. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 31902-31915	9.5	24
306	Dispersion und Wasserstoffbrücken bestimmend Warum die Verdampfungsenthalpien von aprotischen größer als die von protischen ionischen Flüssigkeiten sind. <i>Angewandte Chemie</i> , 2016 , 128, 11856-11860	3.6	10
305	Stability studies of ionic liquid [EMIm][NTf2] under short-term thermal exposure. <i>RSC Advances</i> , 2016 , 6, 48462-48468	3.7	7
304	Composites of amorphous and nanocrystalline ZrO ₂ /Al ₂ O ₃ /Nb bulk materials synthesized by spark plasma sintering. <i>Journal of Alloys and Compounds</i> , 2016 , 667, 109-114	5.7	14

303	Insights into polymer crystallization and melting from fast scanning chip calorimetry. <i>Polymer</i> , 2016 , 91, 239-263	3.9	171
302	Crystal nucleation in random l/d-lactide copolymers. <i>European Polymer Journal</i> , 2016 , 75, 474-485	5.2	58
301	Crystallization of Polyethylene at Large Undercooling. <i>ACS Macro Letters</i> , 2016 , 5, 365-370	6.6	73
300	Kinetics of isothermal and non-isothermal crystallization of poly(vinylidene fluoride) by fast scanning calorimetry. <i>Polymer</i> , 2016 , 82, 40-48	3.9	24
299	Crystallinity of poly(3-hexylthiophene) in thin films determined by fast scanning calorimetry. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2016 , 54, 1791-1801	2.6	20
298	New Insights into Polymer Crystallization by Fast Scanning Chip Calorimetry 2016 , 463-535		21
297	Non-Adiabatic Scanning Calorimeter for Controlled Fast Cooling and Heating 2016 , 81-104		7
296	Fast Scanning Calorimetry of Phase Transitions in Metals 2016 , 691-721		4
295	Precipitation and Dissolution Kinetics in Metallic Alloys with Focus on Aluminium Alloys by Calorimetry in a Wide Scanning Rate Range 2016 , 723-773		2
294	Fast Scanning Calorimetry of Silk Fibroin Protein: Sample Mass and Specific Heat Capacity Determination 2016 , 187-203		4
293	Reliable Absolute Vapor Pressures of Extremely Low Volatile Compounds from Fast Scanning Calorimetry 2016 , 259-296		3
292	Glass transition and stable glass formation of tetrachloromethane. <i>Journal of Chemical Physics</i> , 2016 , 144, 244503	3.9	21
291	Vapor-deposited alcohol glasses reveal a wide range of kinetic stability. <i>Journal of Chemical Physics</i> , 2016 , 145, 174506	3.9	36
290	Interplay between the Relaxation of the Glass of Random l/d-Lactide Copolymers and Homogeneous Crystal Nucleation: Evidence for Segregation of Chain Defects. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 4522-8	3.4	44
289	Effect of graphene nanoplatelets diameter on non-isothermal crystallization kinetics and melting behavior of high density polyethylene nanocomposites. <i>Thermochimica Acta</i> , 2016 , 643, 94-103	2.9	44
288	Quantitative understanding of two distinct melting kinetics of an isothermally crystallized poly(ether ether ketone). <i>Polymer</i> , 2016 , 99, 97-104	3.9	30
287	Heat conduction in ultrafast thin-film nanocalorimetry. <i>Thermochimica Acta</i> , 2016 , 640, 42-51	2.9	15
286	Thermochemical study of rhodium(III) acetylacetonate. <i>Journal of Chemical Thermodynamics</i> , 2016 , 102, 442-450	2.9	9

285	Dispersion and Hydrogen Bonding Rule: Why the Vaporization Enthalpies of Aprotic Ionic Liquids Are Significantly Larger than those of Protic Ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 11682-6	16.4	43
284	Decoupling Between Structural and Conductivity Relaxation in Aprotic Ionic Liquids. <i>Advances in Dielectrics</i> , 2016 , 213-233	0.6	
283	Optical characterization of CdS nanorods capped with starch. <i>Journal of Molecular Structure</i> , 2015 , 1088, 95-100	3.4	14
282	Density of heterogeneous and homogeneous crystal nuclei in poly (butylene terephthalate). <i>European Polymer Journal</i> , 2015 , 66, 180-189	5.2	78
281	Vitrification and crystallization of poly(butylene-2,6-naphthalate). <i>Thermochimica Acta</i> , 2015 , 603, 110-115		16
280	Quench-induced precipitates in AlBi alloys: Calorimetric determination of solute content and characterisation of microstructure. <i>Thermochimica Acta</i> , 2015 , 602, 63-73	2.9	30
279	Dissolution and Precipitation Behaviour during Continuous Heating of AlMgBi Alloys in a Wide Range of Heating Rates. <i>Materials</i> , 2015 , 8, 2830-2848	3.5	57
278	Vitreous State Characterization of Pharmaceutical Compounds Degrading upon Melting by Using Fast Scanning Calorimetry. <i>Journal of Physical Chemistry B</i> , 2015 , 119, 6848-51	3.4	22
277	Liquid Organic Hydrogen Carriers: Thermophysical and Thermochemical Studies of Benzyl- and Dibenzyl-toluene Derivatives. <i>Industrial & Engineering Chemistry Research</i> , 2015 , 54, 7967-7976	3.9	129
276	How much time is needed to form a kinetically stable glass? AC calorimetric study of vapor-deposited glasses of ethylcyclohexane. <i>Journal of Chemical Physics</i> , 2015 , 142, 054506	3.9	50
275	Benchmark Thermochemistry for Biologically Relevant Adenine and Cytosine. A Combined Experimental and Theoretical Study. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 9680-91	2.8	45
274	Crystallization in glass-forming liquids: Effects of fragility and glass transition temperature. <i>Journal of Non-Crystalline Solids</i> , 2015 , 428, 68-74	3.9	28
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