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Organic glasses with exceptional thermodynamic and kinetic stability

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601	Preparation of perfect glasses from zeolites. 2008 , 72, 1433-1435		1
600	Irreversible reorganization in a supercooled liquid originates from localized soft modes. 2008 , 4, 711-715		308
599	Hiking down the energy landscape: progress toward the Kauzmann temperature via vapor deposition. 2008 , 112, 4934-42		174
598	Materials science. Glass surfaces not so glassy. <i>Science</i> , 2008 , 319, 577-8	33.3	29
597	Surface-enhanced crystallization of amorphous nifedipine. 2008 , 5, 921-6		129
596	Self-healing materials: a review. 2008 , 4, 400-418		723
595	Selective metal deposition on photoswitchable molecular surfaces. 2008 , 130, 10740-7		63
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593	Molecular view of the isothermal transformation of a stable glass to a liquid. 2008 , 128, 214514		45

592	In situ nanocalorimetry of thin glassy organic films. 2008 , 129, 181101	49
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588	Extraordinarily Stable Organic Glasses Prepared by Vapor Deposition: Dependence of Stability and Dynamics upon Deposition Temperature. 2008 ,	2
587	Understanding exceptional thermodynamic and kinetic stability of amorphous sulfur obtained by rapid compression. 2009 , 94, 011910	24
586	Physical vapor deposition as a route to hidden amorphous states. 2009 , 106, 15165-70	75
585	From Polymers to Colloids: Engineering the Dynamic Properties of Hairy Particles. 2009 , 1-54	32
584	Enthalpy and dielectric relaxations in supercooled methyl m-toluate. 2009 , 130, 204515	28
583	Materials science tetrahedron--a useful tool for pharmaceutical research and development. 2009 , 98, 1671-87	165
582	Streamlined ellipsometry procedure for characterizing physical aging rates of thin polymer films. 2009 , 47, 2509-2519	46
581	Glass transition in vapor deposited thin films of toluene. 2009 , 492, 51-54	60
580	Self-diffusion of supercooled tris-naphthylbenzene. 2009 , 113, 4600-8	77
579	Highly stable indomethacin glasses resist uptake of water vapor. 2009 , 113, 2422-7	58
578	Physical aging of confined glasses. 2009 , 5, 919	81
577	Structure of amorphous aluminum oxide. 2009 , 103, 095501	120
576	Dynamic order-disorder in atomistic models of structural glass formers. <i>Science</i> , 2009 , 323, 1309-13	33.3 298
575	Enthalpy relaxation upon glass transition and kinetic fragility of molecular liquids. 2009 , 113, 5168-71	38

574	Calorimetric evidence for two distinct molecular packing arrangements in stable glasses of indomethacin. 2009 , 113, 1579-86	37
573	Stable glass transformation to supercooled liquid via surface-initiated growth front. 2009 , 102, 065503	79
572	One Order of Magnitude Enhancement of Electron Mobility by Rapid Cooling the Melt of an n-Type Organic Semiconductor. 2009 , 113, 16549-16552	7
571	Translational diffusion of cumene and 3-methylpentane on free surfaces and pore walls studied by time-of-flight secondary ion mass spectrometry. 2010 , 133, 214704	6
570	Liquid-Liquid Relaxation in the Supercooled Liquid State of Ethylbenzene: Thermal Studies Using a Prototype DTA Sensor for the Study of Vapor-deposited Samples. 2010 , 39, 958-960	7
569	Kinetic multi-layer model of aerosol surface and bulk chemistry (KM-SUB): the influence of interfacial transport and bulk diffusion on the oxidation of oleic acid by ozone. 2010 , 10, 3673-3691	135
568	Polymorphism in molecular solids: an extraordinary system of red, orange, and yellow crystals. 2010 , 43, 1257-66	265
567	Temperature. 2010 , 91-99	1
566	Fast surface crystallization of amorphous griseofulvin below T_g . 2010 , 27, 1558-67	87
565	High-modulus organic glasses prepared by physical vapor deposition. 2010 , 22, 39-42	93
564	Dynamics of Materials at the Nanoscale: Small-Molecule Liquids and Polymer Films. 2010 , 191-223	5
563	Structural relaxation and dynamic fragility of freely standing polymer films. 2010 , 51, 5309-5312	75
562	Photoactive amorphous molecular materials based on quinoline amines and their synthesis by Friedländer condensation reaction. 2010 , 66, 9319-9326	24
561	Generality of forming stable organic glasses by vapor deposition. 2010 , 499, 62-65	57
560	Glass transition and fragility in the simple molecular glassformer CS(2) from CS(2)-S(2)Cl(2) solution studies. 2010 , 132, 154505	1
559	Temperature dependence of intermediate-range orders in the viscosity-temperature relationship of supercooled liquids and glasses. 2010 , 132, 104504	10
558	Observation of low heat capacities for vapor-deposited glasses of indomethacin as determined by AC nanocalorimetry. 2010 , 133, 014702	55
557	Macroscopic facilitation of glassy relaxation kinetics: ultrastable glass films with frontlike thermal response. 2010 , 133, 244502	74

556	Physical Aging in Ultrathin Polystyrene Films: Evidence of a Gradient in Dynamics at the Free Surface and Its Connection to the Glass Transition Temperature Reductions. 2010 , 43, 8296-8303	126
555	Solution, thermal and optical properties of new poly(pyridinium salt)s derived from bisquinoline diamines. 2010 , 1, 908	20
554	Structural relaxation of vapor-deposited water, methanol, ethanol, and 1-propanol films studied using low-energy ion scattering. 2010 , 114, 11127-32	18
553	One Micrometer Length Scale Controls Kinetic Stability of Low-Energy Glasses. 2010 , 1, 388-392	71
552	Entropically stabilized growth of a two-dimensional random tiling. 2010 , 82, 041109	7
551	Roles of individual and cooperative motions of molecules in glass-liquid transition and crystallization of toluene. 2010 , 114, 10734-9	15
550	Size Effects and Extraordinary Stability of Ultrathin Vapor Deposited Glassy Films of Toluene. 2010 , 1, 341-345	45
549	Positional Disorder-Induced Mobility Enhancement in Rapidly Cooled Organic Semiconductor Melts. 2010 , 114, 9056-9061	10
548	Synthesis and properties of starburst amorphous molecules: 1,3,5-Tris(1,8-naphthalimide-4-yl)benzenes. 2010 , 160, 2055-2060	11
547	Transformation of stable glasses into supercooled liquids: growth fronts and anomalously fast liquid diffusion. 2010 , 114, 2635-43	38
546	Structure and Disorder in Amorphous Alumina Thin Films: Insights from High-Resolution Solid-State NMR. 2010 , 114, 13890-13894	75
545	Single molecules reorientation reveals the dynamics of polymer glasses surface. 2010 , 12, 2308-12	23
544	Light-controlled metal deposition on photochromic polymer films. 2010 , 20, 9623	22
543	Stability of thin film glasses of toluene and ethylbenzene formed by vapor deposition: an in situ nanocalorimetric study. 2010 , 12, 14693-8	102
542	Enthalpy Recovery of Glassy Polymers: Dramatic Deviations from the Extrapolated Liquidlike Behavior. 2011 , 44, 8333-8342	77
541	Character of devitrification, viewed from enthalpic paths, of the vapor-deposited ethylbenzene glasses. 2011 , 115, 14327-32	80
540	On the decoupling of relaxation modes in a molecular liquid caused by isothermal introduction of 2 nm structural inhomogeneities. 2011 , 115, 13994-9	13
539	Molecular Motion in Free-Standing Thin Films of Poly(methyl methacrylate), Poly(4-tert-butylstyrene), Poly(β-methylstyrene), and Poly(2-vinylpyridine). 2011 , 44, 7034-7042	97

538	Does Crystal Density Control Fast Surface Crystal Growth in Glasses? A Study with Polymorphs. 2011 , 11, 3979-3984	20
537	Highly Stable Vapor-Deposited Glasses of Four Tris-naphthylbenzene Isomers. 2011 , 2, 2683-2687	32
536	Structural Variations of an Organic Glassformer Vapor-Deposited onto a Temperature Gradient Stage. 2011 , 2, 423-427	45
535	Evolution of glassy gratings with variable aspect ratios under surface diffusion. 2011 , 134, 194704	37
534	Properties of model atomic free-standing thin films. 2011 , 134, 114524	33
533	Self-diffusion of the amorphous pharmaceutical indomethacin near T _g . 2011 , 7, 10339	72
532	Two simultaneous mechanisms causing glass transition temperature reductions in high molecular weight freestanding polymer films as measured by transmission ellipsometry. 2011 , 107, 235701	132
531	How many amorphous ices are there?. 2011 , 13, 8783-94	145
530	Anisotropic structure and transformation kinetics of vapor-deposited indomethacin glasses. 2011 , 115, 455-63	79
529	Design and synthesis of photoactive ionic amorphous molecular materials. 2011 , 21, 12717	13
528	Theoretical perspective on the glass transition and amorphous materials. 2011 , 83, 587-645	1298
527	Photochromism of diarylethene: Effect of polymer environment and effects on surfaces. 2011 , 12, 138-150	19
526	Free surface effects on thermodynamics and glass formation in simple monatomic supercooled liquids. 2011 , 84,	20
525	Thickness dependent modulus of vacuum deposited organic molecular glasses for organic electronics applications. 2011 , 7, 7269	14
524	The configurational energy gap between amorphous and crystalline silicon. 2011 , 5, 361-363	13
523	Crystallization of organic glasses: effects of polymer additives on bulk and surface crystal growth in amorphous nifedipine. 2011 , 28, 2458-66	64
522	Monomer Crystallization During Vapor-Deposition Polymerization. 2011 , 17, 141-148	9
521	Surface and interface effects on structural transformation of vapor-deposited ethylbenzene films. 2011 , 605, 793-798	8

520	Accelerated aging in ultrathin films of a molecular glass former. 2011 , 107, 025901	36
519	Surface self-diffusion of an organic glass. 2011 , 106, 256103	218
518	Preparation and relaxation of very stable glassy states of a simulated liquid. 2011 , 107, 275702	47
517	Glasses crystallize rapidly at free surfaces by growing crystals upward. 2011 , 108, 5990-5	109
516	A molecular view of vapor deposited glasses. 2011 , 134, 194903	73
515	Dynamics of glass-forming liquids. XV. Dynamical features of molecular liquids that form ultra-stable glasses by vapor deposition. 2011 , 135, 124515	43
514	Molecular packing in highly stable glasses of vapor-deposited tris-naphthylbenzene isomers. 2012 , 136, 094505	54
513	Density and birefringence of a highly stable tris-naphthylbenzene glass. 2012 , 136, 204501	53
512	Communication: An obligatory glass surface. 2012 , 137, 141102	14
511	Vapor-deposited tris-naphthylbenzene glasses with low heat capacity and high kinetic stability. 2012 , 137, 154502	19
510	Stable glasses of indomethacin and tris-naphthylbenzene transform into ordinary supercooled liquids. 2012 , 137, 204508	45
509	Mechanism of fast surface self-diffusion of an organic glass. 2012 , 86, 051503	48
508	Differential alternating current chip calorimeter for in situ investigation of vapor-deposited thin films. 2012 , 83, 033902	31
507	Supercooled liquids with enhanced orientational order. 2012 , 3, 1233	57
506	Stability of amorphous pharmaceutical solids: crystal growth mechanisms and effect of polymer additives. 2012 , 14, 380-8	106
505	Comparing surface and bulk flow of a molecular glass former. 2012 , 8, 2206	83
504	Molecular mobility in supported thin films of polystyrene, poly(methyl methacrylate), and poly(2-vinyl pyridine) probed by dye reorientation. 2012 , 8, 819-826	106
503	Molecular Orientation in Stable Glasses of Indomethacin. 2012 , 3, 1229-33	79

502	Nonequilibrium and relaxation in deeply supercooled liquid of isopropylbenzene obtained through glass transition from vapor-deposited glass. 2012 , 116, 935-42	19
501	Accessing structure and dynamics of mobile phase in organic solids by real-time T1C filter PISEMA NMR spectroscopy. 2012 , 116, 979-84	8
500	Polymer glasses: From gas to nanoglobular glass. 2012 , 11, 267-8	9
499	siRNA delivery: Loaded-up microsponges. 2012 , 11, 268-9	7
498	On the strength of glasses. 2012 , 109, 16068-72	44
497	Perspective: Supercooled liquids and glasses. 2012 , 137, 080901	369
496	Dielectric spectroscopy of thin films by dual-channel impedance measurements on differential interdigitated electrode arrays. 2012 , 85, 1	19
495	Fragile Glass Formers: Evidence for a New Paradigm, and a New Relation to Strong Liquids. 2012 , 237-278	4
494	Theories of Structural Glass Dynamics: Mosaics, Jamming, and All That. 2012 , 341-379	8
493	Importance of Quench Conditions on the Subsequent Physical Aging Rate of Glassy Polymer Films. 2012 , 45, 1701-1709	34
492	Physical Aging in Glasses and Composites. 2012 , 237-309	7
491	Spontaneous electric fields in films of cis-methyl formate. 2012 , 14, 9972-6	24
490	Long-Term Durability of Polymeric Matrix Composites. 2012 ,	23
489	The amorphous solid dispersion of the poorly soluble ABT-102 forms nano/microparticulate structures in aqueous medium: impact on solubility. 2012 , 7, 5757-68	35
488	Microstructure Evolution during Crystallization of Vapor-Deposited Hexanitroazobenzene Films. 2012 , 37, 459-467	15
487	Ultrastable nanostructured polymer glasses. 2012 , 11, 337-43	131
486	Molecular simulation of freestanding amorphous nickel thin films. 2013 , 545, 584-591	8
485	Spontaneous electric fields in solid films: spontelectrics? Dedicated to the memory of Jean-Pierre Ziesel, highly valued both as a wonderful scientist and a great friend. View all notes. 2013 , 32, 345-392	33

484	Lattice model of mobility at interfaces: free surfaces, substrates, and bilayers. 2013 , 9, 9403	49
483	Molecular weight dependence of near surface dynamical mechanical properties of polymers. 2013 , 9, 8958	23
482	Ultrastable metallic glass. 2013 , 25, 5904-8	131
481	Surface self-diffusion of organic glasses. 2013 , 117, 13303-9	92
480	Ultrastable glasses from in silico vapour deposition. 2013 , 12, 139-44	184
479	Molecular dynamics simulation of amorphous indomethacin-poly(vinylpyrrolidone) glasses: solubility and hydrogen bonding interactions. 2013 , 102, 876-91	54
478	Structural glasses: Flying to the bottom. 2013 , 12, 94-5	21
477	Molecular dynamics simulation of amorphous indomethacin. 2013 , 10, 102-14	46
476	Solution, thermal and optical properties of bis(pyridinium salt)s as ionic liquids. 2013 , 139, 901-910	17
475	Influence of particle size on the crystallization kinetics of amorphous felodipine powders. 2013 , 236, 197-204	28
474	In situ investigation of vapor-deposited glasses of toluene and ethylbenzene via alternating current chip-nanocalorimetry. 2013 , 138, 024501	59
473	Dynamics of glass-forming liquids. XVI. Observation of ultrastable glass transformation via dielectric spectroscopy. 2013 , 138, 12A519	34
472	Highly stable glasses of cis-decalin and cis/trans-decalin mixtures. 2013 , 117, 12724-33	41
471	Using 20-million-year-old amber to test the super-Arrhenius behaviour of glass-forming systems. 2013 , 4, 1783	185
470	Perspective: The glass transition. 2013 , 138, 12A301	243
469	Molar volumes of ethylcyclohexane and butyronitrile glasses resulting from vapor deposition: dependence on deposition temperature and comparison to alkylbenzenes. 2013 , 117, 10311-9	17
468	High-throughput ellipsometric characterization of vapor-deposited indomethacin glasses. 2013 , 117, 15415-25	85
467	Microscopically based calculations of the free energy barrier and dynamic length scale in supercooled liquids: the comparative role of configurational entropy and elasticity. 2013 , 117, 15204-19	21

466	Structural investigation and mechanical properties of a representative of a new class of materials: nanograined metallic glasses. 2013 , 24, 045610	41
465	Low-temperature thermal properties of a hyperaged geological glass. 2013 , 25, 295402	14
464	Can a stable glass be superheated? Modelling the kinetic stability of coated glassy films. 2013 , 138, 12A516	12
463	Model vapor-deposited glasses: growth front and composition effects. 2013 , 139, 144505	68
462	Response to "Comment on 'Temperature divergence of the dynamics of a poly(vinyl acetate) glass: dielectric vs. mechanical behaviors'" [J. Chem. Phys. 139, 137101 (2013)]. 2013 , 139, 137102	14
461	Manipulating the properties of stable organic glasses using kinetic facilitation. 2013 , 138, 12A517	34
460	Characterization of flow units in metallic glass through density variation. 2013 , 114, 123514	36
459	Distribution of glass transition temperature in multilayered poly(methyl methacrylate) thin film supported on a Si substrate as studied by neutron reflectivity. 2013 , 88, 032601	29
458	Calorimetric glass transition explained by hierarchical dynamic facilitation. 2013 , 110, 4482-4487	64
457	In situ wide angle X-ray diffraction of vapor-deposited glasses of small organic molecules. 2013 ,	
456	In situ thermal studies of vapor-deposited molecular glasses: Anomalous endothermic changes accompanying structural relaxation. 2013 ,	
455	On the structure of grain/interphase boundaries and interfaces. 2014 , 5, 1603-15	9
454	Supercooled Liquids and Glasses by Dielectric Relaxation Spectroscopy. 2014 , 101-195	36
453	Equilibrium ultrastable glasses produced by random pinning. 2014 , 141, 224503	26
452	Ultrahigh stability of atomically thin metallic glasses. 2014 , 105, 011909	14
451	The energy landscape of glassy dynamics on the amorphous hafnium diboride surface. 2014 , 141, 204501	8
450	Slowing down of accelerated structural relaxation in ultrathin polymer films. 2014 , 112, 148306	32
449	Hydrogen-free amorphous silicon with no tunneling states. 2014 , 113, 025503	51

448	The effect of substrate on thermodynamic and kinetic anisotropies in atomic thin films. 2014 , 141, 024506	27
447	Dynamics and thermodynamics of polymer glasses. 2014 , 26, 153101	70
446	Transport and Stability of Laser-Deposited Amorphous Polymer Nanoglobules. 2014 , 3, 1046-1050	7
445	Finite size analysis of zero-temperature jamming transition under applied shear stress by minimizing a thermodynamic-like potential. 2014 , 112, 145502	16
444	Dynamics in Geometrical Confinement. 2014 ,	49
443	Enthalpy and high temperature relaxation kinetics of stable vapor-deposited glasses of toluene. 2014 , 141, 094502	27
442	Freestanding FeCrAl-Y2O3 Amorphous/Crystalline Composite Coating Fabricated by Electron-Beam Physical Vapor Deposition. 2014 , 788, 652-656	
441	Vapor-deposited glasses provide clearer view of two-level systems. 2014 , 111, 11232-3	10
440	The β -relaxation in metallic glasses. 2014 , 1, 429-461	160
439	Molecular modeling of vapor-deposited polymer glasses. 2014 , 140, 204504	29
438	Stability of polymer glasses vitrified under stress. 2014 , 10, 1572-8	16
437	Nanostructured solids ¶From nano-glasses to quantum transistors. 2014 , 9, 17-68	91
436	Understanding glass-forming ability through sluggish crystallization of atomically thin metallic glassy films. 2014 , 105, 051901	14
435	Structural relaxation of vapor-deposited molecular glasses and supercooled liquids. 2014 , 16, 12073-92	40
434	Acoustic dynamics of supercooled indomethacin probed by Brillouin light scattering. 2014 , 16, 14206-11	2
433	Suppression of tunneling two-level systems in ultrastable glasses of indomethacin. 2014 , 111, 11275-80	94
432	Role of fragility in the formation of highly stable organic glasses. 2014 , 113, 045901	54
431	The ultrastable kinetic behavior of an Au-based nanoglass. 2014 , 79, 30-36	81

- 430 Densification and depression in glass transition temperature in polystyrene thin films. **2014**, 30, 11599-608 70
- 429 Two-level systems and boson peak remain stable in 110-million-year-old amber glass. **2014**, 112, 165901 56
- 428 The Materials Genome Initiative, the interplay of experiment, theory and computation. **2014**, 18, 99-117 113
- 427 Effect of bulk aging on surface diffusion of glasses. **2014**, 140, 054509 18
- 426 Suppressing crystallization in solution-processed thin films of organic semiconductors. **2015**, 5, 447-452 4
- 425 Spatial modulation of the composition of a binary liquid near a repulsive wall. **2015**, 91, 052406 4
- 424 Suppression of Relaxation in Vapor-Deposited Ultrastable Glasses. **2015**, 115, 185501 97
- 423 Numerical detection of the Gardner transition in a mean-field glass former. **2015**, 92, 012316 32
- 422 Dielectric and specific heat relaxations in vapor deposited glycerol. **2015**, 143, 244504 16
- 421 Thermodynamic and kinetic anisotropies in octane thin films. **2015**, 143, 214501 11
- 420 High surface mobility and fast surface enhanced crystallization of metallic glass. **2015**, 107, 141606 68
- 419 Recasting a model atomistic glassformer as a system of icosahedra. **2015**, 143, 244507 13
- 418 Vapor-deposited glasses of methyl-m-toluate: How uniform is stable glass transformation?. **2015**, 143, 244509 22
- 417 The effect of chemical structure on the stability of physical vapor deposited glasses of 1,3,5-triarylbenzene. **2015**, 143, 084506 37
- 416 Cooling-rate dependence of kinetic and mechanical stabilities of simulated glasses. **2015**, 142, 244508 5
- 415 Theory of activated glassy relaxation, mobility gradients, surface diffusion, and vitrification in free standing thin films. **2015**, 143, 244705 54
- 414 Reduction-Induced Inward Diffusion and Crystal Growth on the Surfaces of Iron-Bearing Silicate Glasses. **2015**, 98, 1799-1806 10
- 413 Sub-nanometer glass surface dynamics induced by illumination. **2015**, 142, 234505 9

412	Structural Characterization of Vapor-Deposited Glasses of an Organic Hole Transport Material with X-ray Scattering. 2015 , 27, 3341-3348	64
411	Transformation kinetics of vapor-deposited thin film organic glasses: the role of stability and molecular packing anisotropy. 2015 , 17, 31195-201	36
410	Enhanced diffusion and mobile fronts in a simple lattice model of glass-forming liquids. 2015 , 11, 7792-801	8
409	Effects of substrate temperature on structure, thermal stability and mechanical property of a Zr-based metallic glass thin film. 2015 , 595, 17-24	17
408	Above, below, and in-between the two glass transitions of ultrathin free-standing polystyrene films: Thermal expansion coefficient and physical aging. 2015 , 53, 64-75	36
407	Probing equilibrium glass flow up to exapoise viscosities. 2015 , 112, 2331-6	35
406	Calorimetric glass transition in a mean-field theory approach. 2015 , 112, 2361-6	10
405	Forty Years of Silica Simulations. Which Way Now?. 2015 , 6, 3-14	9
404	Influence of substrate temperature on the transformation front velocities that determine thermal stability of vapor-deposited glasses. 2015 , 119, 3875-82	20
403	Following the evolution of hard sphere glasses in infinite dimensions under external perturbations: compression and shear strain. 2015 , 114, 015701	78
402	Crystallization Behavior and Relaxation Dynamics of Supercooled S-Ketoprofen and the Racemic Mixture along an Isochrone. 2015 , 15, 3257-3263	20
401	Two-level systems in evaporated amorphous silicon. 2015 , 426, 19-24	17
400	Do tunneling states and boson peak persist or disappear in extremely stabilized glasses?. 2015 , 41, 412-418	3
399	Roles of intermediate-range orders on the glass transition process: Fictive temperature, residual entropy, relaxation time and boson peak. 2015 , 427, 34-40	8
398	Correlation between density of metallic glasses and dynamic fragility of metallic glass-forming liquids. 2015 , 425, 153-157	9
397	Computer simulations of glasses: the potential energy landscape. 2015 , 27, 293201	14
396	Fast surface diffusion of amorphous o-terphenyl and its competition with viscous flow in surface evolution. 2015 , 119, 5071-8	68
395	Toward Fast and Accurate Evaluation of Charge On-Site Energies and Transfer Integrals in Supramolecular Architectures Using Linear Constrained Density Functional Theory (CDFT)-Based Methods. 2015 , 11, 2077-86	34

- 394 Fluctuation Electron Microscopy Study of Medium-Range Packing Order in Ultrastable Indomethacin Glass Thin Films. **2015**, 1757, 32
- 393 Tunable molecular orientation and elevated thermal stability of vapor-deposited organic semiconductors. **2015**, 112, 4227-32 156
- 392 Advantages and disadvantages of vacuum-deposited and spin-coated amorphous organic semiconductor films for organic light-emitting diodes. **2015**, 3, 11178-11191 108
- 391 1D Confinement Stabilizes Non-equilibrium Liquid Phase with Enhanced Orientational Order. **2015**, 227-244
- 390 Substrate Temperature to Control Moduli and Water Uptake in Thin Films of Vapor Deposited N,N'-Di(1-naphthyl)-N,N'-diphenyl-(1,1'-biphenyl)-4,4'-diamine (NPD). **2015**, 119, 11928-34 10
- 389 Photopatterning of Indomethacin Thin Films: a Solvent-Free Vapor-Deposited Photoresist. **2015**, 7, 23398-401 2
- 388 Purely organic electroluminescent material realizing 100% conversion from electricity to light. **2015**, 6, 8476 606
- 387 How much time is needed to form a kinetically stable glass? AC calorimetric study of vapor-deposited glasses of ethylcyclohexane. **2015**, 142, 054506 50
- 386 Vapor-deposited non-crystalline phase vs ordinary glasses and supercooled liquids: Subtle thermodynamic and kinetic differences. **2015**, 142, 164510 12
- 385 Thermal stability of vapor-deposited stable glasses of an organic semiconductor. **2015**, 142, 134504 37
- 384 Lattice cluster theory for dense, thin polymer films. **2015**, 142, 134901 2
- 383 Synthesis and high-throughput characterization of structural analogues of molecular glassformers: 1,3,5-trisarylbenzenes. **2015**, 11, 7558-66 13
- 382 Theory of the structural glass transition: a pedagogical review. **2015**, 64, 283-443 43
- 381 Kinetic stability and heat capacity of vapor-deposited glasses of o-terphenyl. **2015**, 143, 084511 29
- 380 Orientational anisotropy in simulated vapor-deposited molecular glasses. **2015**, 143, 094502 53
- 379 Probing Toluene and Ethylbenzene Stable Glass Formation Using Inert Gas Permeation. **2015**, 6, 3639-44 8
- 378 Accumulating evidence for non-diverging time-scales in glass-forming fluids. **2015**, 407, 3-13 42
- 377 Ultrathin polymer films by single molecule deposition. **2015**, 407, 270-276 3

376	On the uncertain distinction between fast landscape exploration and second amorphous phase (ideal glass) interpretations of the ultrastable glass phenomenon. 2015 , 407, 246-255	13
375	Highly stable glasses of celecoxib: Influence on thermo-kinetic properties, microstructure and response towards crystal growth. 2015 , 407, 256-261	36
374	Epitaxy of Small Organic Molecules. 2015 , 509-554	9
373	Growing timescales and lengthscales characterizing vibrations of amorphous solids. 2016 , 113, 8397-401	82
372	Kinetic Studies of Melting, Crystallization, and Glass Formation. 2016 , 633-660	
371	Quasi-adiabatic, Membrane-Based, Highly Sensitive Fast Scanning Nanocalorimetry. 2016 , 105-149	1
370	Fast Scanning CalorimetryFast Thermal Desorption Technique: The Thin Wire Approach. 2016 , 151-186	4
369	Kinetic stability and energetics of simulated glasses created by constant pressure cooling. 2016 , 145, 184505	4
368	Fluctuation Electron Microscopy and Computational Structure Refinement for the Structure of Amorphous Materials. 2016 , 22, 486-487	1
367	The melting of stable glasses is governed by nucleation-and-growth dynamics. 2016 , 144, 244506	18
366	Glass transition and stable glass formation of tetrachloromethane. 2016 , 144, 244503	21
365	Isochemical control over structural state and mechanical properties in Pd-based metallic glass by sputter deposition at elevated temperatures. 2016 , 4, 086104	10
364	Facets of glass physics. 2016 , 69, 40-46	105
363	Molecular model for chirality phenomena. 2016 , 145, 154503	15
362	Surface diffusion and surface crystal growth of tris-naphthyl benzene glasses. 2016 , 145, 064503	29
361	Vapor-deposited alcohol glasses reveal a wide range of kinetic stability. 2016 , 145, 174506	36
360	Changes in the temperature-dependent specific volume of supported polystyrene films with film thickness. 2016 , 144, 234903	25
359	Long-range correlated dynamics in ultra-thin molecular glass films. 2016 , 145, 114502	40

358	Enhanced kinetic stability of a bulk metallic glass by high pressure. 2016 , 109, 221904	11
357	Electroluminescence from completely horizontally oriented dye molecules. 2016 , 108, 241106	59
356	Three-Layer Model for the Emergence of Ultrastable Glasses from the Surfaces of Supercooled Liquids. 2016 , 120, 4861-5	19
355	Do two-level systems and boson peak persist or vanish in hyperaged geological glasses of amber?. 2016 , 96, 774-787	4
354	Statistics and Properties of Low-Frequency Vibrational Modes in Structural Glasses. 2016 , 117, 035501	119
353	Front propagation versus bulk relaxation in the annealing dynamics of a kinetically constrained model of ultrastable glasses. 2016 , 2016, 074005	16
352	Photostability Can Be Significantly Modulated by Molecular Packing in Glasses. 2016 , 138, 11282-9	36
351	Deconstructing the glass transition through critical experiments on colloids. 2016 , 65, 363-452	39
350	Molecular Dynamics Simulations of Amorphous Systems. 2016 , 331-373	1
349	Hydrogen Bonding Slows Down Surface Diffusion of Molecular Glasses. 2016 , 120, 8007-15	41
348	Topological similarity of random cell complexes and applications. 2016 , 93, 062111	4
347	Equilibrium Sampling of Hard Spheres up to the Jamming Density and Beyond. 2016 , 116, 238002	95
346	Thermomechanical processing of metallic glasses: extending the range of the glassy state. 2016 , 1,	157
345	Relaxation dynamics of glasses along a wide stability and temperature range. 2016 , 6, 35607	23
344	Age and structure of a model vapour-deposited glass. 2016 , 7, 13062	34
343	Relation of vibrational excitations and thermal conductivity to elastic heterogeneities in disordered solids. 2016 , 94,	21
342	References. 2016 , 463-488	
341	Ultrastable glasses portray similar behaviour to ordinary glasses at high pressure. 2016 , 6, 34296	13

340	Surface Mobility of Amorphous o-Terphenyl: A Strong Inhibitory Effect of Low-Concentration Polystyrene. 2016 , 120, 6842-7	5
339	Using tobacco mosaic virus to probe enhanced surface diffusion of molecular glasses. 2016 , 12, 9115-9120	20
338	Inherent structure energy is a good indicator of molecular mobility in glasses. 2016 , 12, 5898-904	23
337	Surface mobility of molecular glasses and its importance in physical stability. 2016 , 100, 3-9	94
336	Surface Diffusion of Polymer Glasses. 2016 , 49, 731-735	58
335	Increasing the kinetic stability of bulk metallic glasses. 2016 , 104, 25-32	62
334	Vapor Condensed and Supercooled Glassy Nanoclusters. 2016 , 10, 3416-23	3
333	Vapor deposition of a smectic liquid crystal: highly anisotropic, homogeneous glasses with tunable molecular orientation. 2016 , 12, 2942-7	27
332	Substrate temperature controls molecular orientation in two-component vapor-deposited glasses. 2016 , 12, 3265-70	33
331	Size-Dependent Brittle-to-Ductile Transition in Silica Glass Nanofibers. 2016 , 16, 105-13	87
330	Effect of nanostructure on the thermal glass transition and physical aging in polymer materials. 2016 , 54-55, 128-147	102
329	Contrasting dynamics of fragile and non-fragile polyalcohols through the glass, and dynamical, transitions: A comparison of neutron scattering and dielectric relaxation data for sorbitol and glycerol. 2017 , 1861, 3540-3545	4
328	Interrelationships Between Structure and the Properties of Amorphous Solids of Pharmaceutical Interest. 2017 , 106, 5-27	54
327	Fast Surface Dynamics of Metallic Glass Enable Superlattice-like Nanostructure Growth. 2017 , 118, 016101	30
326	Glass transition of polymers in bulk, confined geometries, and near interfaces. 2017 , 80, 036602	226
325	Influence of Hydrogen Bonding on the Kinetic Stability of Vapor-Deposited Glasses of Triazine Derivatives. 2017 , 121, 2350-2358	22
324	Invariant Fast Diffusion on the Surfaces of Ultrastable and Aged Molecular Glasses. 2017 , 118, 066101	36
323	New limits of secondary β -relaxation. 2017 , 7, 43091	5

322	Shear Yielding and Shear Jamming of Dense Hard Sphere Glasses. 2017 , 118, 038001	57
321	Dynamical heterogeneity in a vapor-deposited polymer glass. 2017 , 146, 203310	21
320	Nematic-like stable glasses without equilibrium liquid crystal phases. 2017 , 146, 054503	15
319	Amorphous physics and materials: Secondary relaxation and dynamic heterogeneity in metallic glasses: A brief review. 2017 , 26, 016402	40
318	A one parameter fit for glassy dynamics as a quantum corollary of the liquid to solid transition. 2017 , 97, 1509-1566	3
317	Influence of Vapor Deposition on Structural and Charge Transport Properties of Ethylbenzene Films. 2017 , 3, 415-424	18
316	Using deposition rate to increase the thermal and kinetic stability of vapor-deposited hole transport layer glasses via a simple sublimation apparatus. 2017 , 146, 203328	24
315	Discrete mobility on the surface of glasses. 2017 , 114, 4854-4856	12
314	50th Anniversary Perspective: Putting the Squeeze on Polymers: A Perspective on Polymer Thin Films and Interfaces. 2017 , 50, 4597-4609	51
313	An Ultrastable Polymeric Glass: Amorphous Fluoropolymer with Extreme Fictive Temperature Reduction by Vacuum Pyrolysis. 2017 , 50, 4562-4574	18
312	Taking Advantage of Disorder: Small-Molecule Organic Glasses for Radiation Detection and Particle Discrimination. 2017 , 139, 9621-9626	25
311	The role of thermodynamic stability in the characteristics of the devitrification front of vapour-deposited glasses of toluene. 2017 , 19, 11089-11097	21
310	Relating Ultrastable Glass Formation to Enhanced Surface Diffusion via the Johari-Goldstein Relaxation in Molecular Glasses. 2017 , 8, 2739-2744	20
309	Size effect on dynamics and glass transition in metallic liquids and glasses. 2017 , 146, 224502	10
308	Decoupling of surface diffusion and relaxation dynamics of molecular glasses. 2017 , 114, 4915-4919	45
307	Surface transport mechanisms in molecular glasses probed by the exposure of nano-particles. 2017 , 146, 203324	2
306	Limited surface mobility inhibits stable glass formation for 2-ethyl-1-hexanol. 2017 , 146, 203317	17
305	Reaching the ideal glass transition by aging polymer films. 2017 , 19, 961-965	30

304	Vapor-Deposited Glasses with Long-Range Columnar Liquid Crystalline Order. 2017 , 29, 9110-9119	19
303	Origin of Ultrastability in Vapor-Deposited Glasses. 2017 , 119, 188002	40
302	Presence of global and local β -relaxations in an alkyl phosphate glass former. 2017 , 147, 134501	13
301	Density controls the kinetic stability of ultrastable glasses. 2017 , 119, 36003	30
300	Two-dimensional silica opens new perspectives. 2017 , 92, 341-374	49
299	A wrinkling-based method for investigating glassy polymer film relaxation as a function of film thickness and temperature. 2017 , 147, 154902	22
298	The significance of the amorphous potential energy landscape for dictating glassy dynamics and driving solid-state crystallisation. 2017 , 19, 30039-30047	41
297	Effects of Additives on Crystallization in Thin Organic Films. 2017 , 17, 4522-4526	5
296	Impact of spatial dimension on structural ordering in metallic glass. 2017 , 96, 022613	9
295	Communication: Surface-facilitated softening of ordinary and vapor-deposited glasses. 2017 , 147, 071101	6
294	Birefringent Stable Glass with Predominantly Isotropic Molecular Orientation. 2017 , 119, 095502	22
293	Mapping Isobaric Aging onto the Equilibrium Phase Diagram. 2017 , 119, 115703	16
292	Emitter Orientation as a Key Parameter in Organic Light-Emitting Diodes. 2017 , 8,	111
291	Release of free-volume bubbles by cooperative-rearrangement regions during the deposition growth of a colloidal glass. 2017 , 8, 362	17
290	Models and Algorithms for the Next Generation of Glass Transition Studies. 2017 , 7,	138
289	Ultrastable Amorphous SbSe Film. 2017 , 121, 8188-8194	14
288	50th Anniversary Perspective: Challenges in the Dynamics and Kinetics of Glass-Forming Polymers. 2017 , 50, 6333-6361	84
287	Modifying hydrogen-bonded structures by physical vapor deposition: 4-methyl-3-heptanol. 2017 , 147, 194504	8

286	Perspective: Highly stable vapor-deposited glasses. 2017 , 147, 210901	118
285	Structural rearrangements governing Johari-Goldstein relaxations in metallic glasses. 2017 , 3, e1701577	89
284	Significantly enhanced memory effect in metallic glass by multistep training. 2017 , 96,	4
283	Enhanced Electrical Properties and Air Stability of Amorphous Organic Thin Films by Engineering Film Density. 2017 , 8, 5891-5897	30
282	Why is surface diffusion the same in ultrastable, ordinary, aged, and ultrathin molecular glasses?. 2017 , 19, 29905-29912	13
281	Metastable Glassy States Under External Perturbations. 2017 ,	1
280	Influence of Molecular Shape on the Thermal Stability and Molecular Orientation of Vapor-Deposited Organic Semiconductors. 2017 , 8, 3380-3386	46
279	Dynamics of supercooled liquid and plastic crystalline ethanol: Dielectric relaxation and AC nanocalorimetry distinguish structural and Debye relaxation processes. 2017 , 147, 014502	20
278	Influence of Hydrogen Bonding on the Surface Diffusion of Molecular Glasses: Comparison of Three Triazines. 2017 , 121, 7221-7227	15
277	A review of recent progress in understanding the spontaneous electric state of matter. 2017 , 71, 1	15
276	Cu-Zr nanoglasses: Atomic structure, thermal stability and indentation properties. 2017 , 136, 181-189	48
275	Elastic Measurements of Amorphous Silicon Films at mK Temperatures. 2017 , 187, 654-660	3
274	A new class of non-crystalline materials: Nanogranular metallic glasses. 2017 , 707, 371-378	22
273	Pair distribution functions of amorphous organic thin films from synchrotron X-ray scattering in transmission mode. 2017 , 4, 555-559	10
272	Multiscale Relaxation Dynamics in Ultrathin Metallic Glass-Forming Films. 2018 , 120, 155501	17
271	Ultrastable metallic glasses formed on cold substrates. 2018 , 9, 1389	51
270	Accelerated discovery of metallic glasses through iteration of machine learning and high-throughput experiments. 2018 , 4, eaaq1566	237
269	Emergence of a substrate-temperature-dependent dielectric process in a prototypical vapor deposited hole-transport glass. 2018 , 8, 1380	2

268	Temperature Dependence of Volumetric and Dynamic Properties of Imidazolium-Based Ionic Liquids. 2018 , 122, 2414-2424	14
267	Secondary relaxation in ultrastable etoricoxib: evidence of correlation with structural relaxation. 2018 , 20, 3939-3945	17
266	Two-step relaxations in metallic glasses during isothermal annealing. 2018 , 93, 101-105	26
265	Strong dependence of the hardness on fictive temperatures in far-from-equilibrium La _{57.5} Ni _{12.5} Al _{17.5} Cu _{12.5} metallic glasses. 2018 , 93, 197-200	6
264	Glasses of three alkyl phosphates show a range of kinetic stabilities when prepared by physical vapor deposition. 2018 , 148, 174503	12
263	Structure transformations in thin films of CF ₃ -CFH ₂ cryodeposits. Is there a glass transition and what is the value of T _g ? 2018 , 446, 196-200	2
262	Dynamic actuation of glassy polymersomes through isomerization of a single azobenzene unit at the block copolymer interface. 2018 , 10, 659-666	71
261	Anti-Aging in Ultrastable Metallic Glasses. 2018 , 120, 135504	32
260	Vapor-deposited organic glasses exhibit enhanced stability against photodegradation. 2018 , 14, 2827-2834	8
259	Relaxation and crystal nucleation in polymer glasses. 2018 , 102, 195-208	25
258	Evaluation of Accuracy of Amorphous Solubility Advantage Calculation by Comparison with Experimental Solubility Measurement in Buffer and Biorelevant Media. 2018 , 15, 1714-1723	9
257	Molecular weight and interfacial effect on the kinetic stabilization of ultrathin polystyrene films. 2018 , 134, 204-210	4
256	Thermal stability of the Ti-Zr-Cu-Pd nano-glassy thin films. 2018 , 735, 2197-2204	13
255	Why is the change of the Johari-Goldstein β relaxation time by densification in ultrastable glass minor?. 2018 , 20, 27342-27349	10
254	Mechanical Properties of Structure-Tunable, Vapor-Deposited TPD Glass. 2018 , 122, 27775-27781	7
253	Perspective: Searching for simplicity rather than universality in glass-forming liquids. 2018 , 149, 230901	23
252	Testing the paradigm of an ideal glass transition: Dynamics of an ultrastable polymeric glass. 2018 , 4, eaau5423	24
251	Protocol dependence of plasticity in ultrastable amorphous solids. 2018 , 98,	6

250	Tenfold increase in the photostability of an azobenzene guest in vapor-deposited glass mixtures. 2018 , 149, 204503	10
249	Thermodynamic Ultrastability of a Polymer Glass Confined at the Micrometer Length Scale. 2018 , 121, 137801	26
248	Exploiting physical vapor deposition for morphological control in semi-crystalline polymer films. 2018 , 1, e10021	7
247	Nano-composites for enhanced catastrophic failure temperature of organic light-emitting diodes. 2018 , 113, 163301	3
246	Effects of film deposition parameters on the glass transition behaviors of poly(methyl methacrylate), poly(ethyl methacrylate), and poly(methyl methacrylate-random-ethyl methacrylate) films. 2018 , 668, 56-62	2
245	Glass forming phase diagram and local structure of Kob-Andersen binary Lennard-Jones nanoparticles. 2018 , 149, 094502	2
244	Glass Structure Controls Crystal Polymorph Selection in Vapor-Deposited Films of 4,4'-Bis(N-carbazolyl)-1,1'-biphenyl. 2018 , 18, 5800-5807	10
243	THERMAL PROPERTIES OF TPD-BASED ORGANIC GLASSES. 2018 ,	1
242	Glass Transition and Physical Aging of Confined Polymers Investigated by Calorimetric Techniques. 2018 , 301-337	6
241	Glass transition temperatures in pure and composite organic thin-films. 2018 , 60, 45-50	9
240	High-performance organic light-emitting diodes comprising ultrastable glass layers. 2018 , 4, eaar8332	86
239	The race to the bottom: approaching the ideal glass?. 2018 , 30, 363001	32
238	Materials Design of Glasses. 2018 , 22, 39-40	1
237	Comparison of single particle dynamics at the center and on the surface of equilibrium glassy films. 2018 , 149, 074501	7
236	Distinguishing different classes of secondary relaxations from vapour deposited ultrastable glasses. 2018 , 20, 21925-21933	17
235	Fast Scanning Chip Calorimetry. 2018 , 47-102	5
234	Sound attenuation in stable glasses. 2019 , 15, 7018-7025	28
233	Tunable Properties of MAPLE-Deposited Thin Films in the Presence of Suppressed Segmental Dynamics. 2019 , 8, 1115-1121	7

232	Nanocalorimetry: Exploring materials faster and smaller. 2019 , 6, 031302	13
231	Vapor-Deposited Ethylbenzene Glasses Approach "Ideal Glass" Density. 2019 , 10, 4069-4075	19
230	Vapor deposition of a nonmesogen prepares highly structured organic glasses. 2019 , 116, 21421-21426	20
229	Relationship between aged and vapor-deposited organic glasses: Secondary relaxations in methyl-m-toluate. 2019 , 151, 144502	7
228	Surface-Bulk Interplay in Vapor-Deposited Glasses: Crossover Length and the Origin of Front Transformation. 2019 , 123, 155501	8
227	Dielectric properties of vapor-deposited propylbenzenes. 2019 , 151, 174503	2
226	Front-Mediated Melting of Isotropic Ultrastable Glasses. 2019 , 123, 175501	8
225	Orientationally ordered glasses via controlled deposition. 2019 , 116, 21341-21342	3
224	Anisotropic Vapor-Deposited Glasses: Hybrid Organic Solids. 2019 , 52, 407-414	46
223	Dependence of the amorphous structures and photoluminescence properties of tris(8-hydroxyquinolato)aluminum films on vacuum deposition conditions. 2019 , 67, 237-241	9
222	Ultraslow Cooling for the Stabilization of Pharmaceutical Glasses. 2019 , 123, 4996-5003	7
221	Dynamic relaxations and relaxation-property relationships in metallic glasses. 2019 , 106, 100561	131
220	Vapor-Deposited Glass Structure Determined by Deposition Rate-Substrate Temperature Superposition Principle. 2019 , 10, 3536-3542	21
219	IR Spectrometry studies of methanol cryovacuum condensates. 2019 , 45, 441-451	1
218	26-1: Invited Paper: Thermally Activated Delayed Fluorescence Organic Light-Emitting Diodes Comprising Ultrastable Glass Layers. 2019 , 50, 356-359	1
217	Ultrastable and polyamorphic states of vapor-deposited 2-methyltetrahydrofuran. 2019 , 150, 214502	9
216	Structural origin for vibration-induced accelerated aging and rejuvenation in metallic glasses. 2019 , 150, 204507	11
215	Understanding Glass through Differential Scanning Calorimetry. 2019 , 119, 7848-7939	124

214	Exploring the Importance of Surface Diffusion in Stability of Vapor-Deposited Organic Glasses. 2019 , 123, 4108-4117	11
213	Multiple glass transitions in vapor-deposited orientational glasses of the most fragile plastic crystal Freon 113. 2019 , 21, 10436-10441	3
212	Discussion on hole traps of amorphous films of N,N'-di(1-naphthyl)-N,N'-diphenyl-(1,1'-biphenyl)-4,4'-diamine (BNPD) deposited at different substrate temperatures. 2019 , 114, 173301	3
211	Liquid-like behaviours of metallic glassy nanoparticles at room temperature. 2019 , 10, 1966	28
210	Molecular Orientation Effects in Organic Light-Emitting Diodes. 2019 , 102, e1900048	17
209	Configurational entropy of glass-forming liquids. 2019 , 150, 160902	34
208	Glass softening kinetics in the limit of high heating rates. 2019 , 150, 094508	4
207	Control of Molecular Orientation in Organic Semiconductor Films using Weak Hydrogen Bonds. 2019 , 31, e1808300	43
206	Formation of Ultrastable Glasses via Precipitation: A Modeling Study. 2019 , 122, 088003	2
205	Metallic Glassy Thin Films: Perspective on Mechanical, Magnetic, Biomedical, and Optical Properties. 2019 , 21, 1900046	1
204	Effects of microstructure formation on the stability of vapor-deposited glasses. 2019 , 116, 5937-5942	16
203	Review of Molecular Engineering for Horizontal Molecular Orientation in Organic Light-Emitting Devices. 2019 , 92, 716-728	59
202	Effect of high temperature LiPON electrolyte in all solid state batteries. 2019 , 337, 24-32	17
201	Nanocalorimetry: Door opened for in situ material characterization under extreme non-equilibrium conditions. 2019 , 104, 53-137	29
200	Unexpected Molecular Weight Dependence to the Physical Aging of Thin Polystyrene Films Present at Ultra-High Molecular Weights. 2019 , 57, 1224-1238	5
199	Dense Glass Packing Can Slow Reactions with an Atmospheric Gas. 2019 , 123, 10124-10130	6
198	Curie-Weiss behavior of liquid structure and ideal glass state. 2019 , 9, 18579	15
197	A general synthesis approach for amorphous noble metal nanosheets. 2019 , 10, 4855	145

196	Origin of Anisotropic Molecular Packing in Vapor-Deposited Alq3 Glasses. 2019 , 10, 164-170	30
195	Randomization and Constraint of Molecular Alignment and Orientation: Temperature-Dependent Anisotropy and Phase Transition in Vapor-Deposited Thin Films of an Organic Cross-Shaped Molecule. 2019 , 4, 39-47	3
194	Hierarchical aging pathways and signatures of thermodynamic transition in molecular glasses. 2019 , 62, 864-872	
193	Effect of molecular size and hydrogen bonding on three surface-facilitated processes in molecular glasses: Surface diffusion, surface crystal growth, and formation of stable glasses by vapor deposition. 2019 , 150, 024502	18
192	Equivalence of enthalpic nature of the glasses produced by crystal-damage and melt-quenching. 2019 , 780, 72-78	1
191	Formulation and characterisation of 1-ethyl-3-methylimidazolium acetate-in-oil microemulsions as the potential vehicle for drug delivery across the skin barrier. 2019 , 273, 339-345	24
190	Phase behavior and slow molecular dynamics in the glassy state and in the glass transformation of a nematic liquid crystal: 4CFPB. 2020 , 47, 604-617	6
189	Reentrant glass transition leading to ultrastable metallic glass. 2020 , 34, 66-77	21
188	Preface. 2020 , ix-xvi	
187	Infinite-Dimensional Models in Statistical Physics. 2020 , 1-36	
186	Atomic Liquids in Infinite Dimensions: Thermodynamics. 2020 , 37-66	
185	Atomic Liquids in Infinite Dimensions: Equilibrium Dynamics. 2020 , 67-98	
184	Thermodynamics of Glass States. 2020 , 99-139	
183	Replica Symmetry Breaking and Hierarchical Free Energy Landscapes. 2020 , 140-179	
182	The Gardner Transition. 2020 , 180-198	
181	Counting Glass States: The Complexity. 2020 , 199-230	
180	Packing Spheres in Large Dimensions. 2020 , 231-250	
179	The Jamming Transition. 2020 , 251-289	

178	Rheology of the Glass. 2020 , 290-304	
177	Index. 2020 , 322-324	
176	Change in molecular dynamics with structures of the trialkyl phosphates and in mixtures with ortho-terphenyl. 2020 , 530, 119804	1
175	Studies on thermally induced microstructural modifications and electrical conductivity in glass RPC detector materials. 2020 , 528, 119709	3
174	Control of effective cooling rate upon magnetron sputter deposition of glassy Ge ₁₅ Te ₈₅ . 2020 , 178, 223-226	11
173	Kinetic stability of amorphous dipyridamole: A fast scanning calorimetry investigation. 2020 , 574, 118890	6
172	Liquid-liquid transition and polyamorphism. 2020 , 153, 130901	44
171	Comparing refractive index and density changes with decreasing film thickness in thin supported films across different polymers. 2020 , 153, 044902	11
170	Transition towards ultrastable metallic glasses in Zr-based thin films. 2020 , 533, 147453	6
169	Molecular Orientation Depth Profiles in Organic Glasses Using Polarized Resonant Soft X-ray Reflectivity. 2020 , 32, 6295-6309	7
168	Controlling Structure and Properties of Vapor-Deposited Glasses of Organic Semiconductors: Recent Advances and Challenges. 2020 , 11, 6935-6945	18
167	How to "measure" a structural relaxation time that is too long to be measured?. 2020 , 153, 044501	12
166	Stable glassy configurations of the Kob-Andersen model using swap Monte Carlo. 2020 , 153, 134505	3
165	Localization model description of the interfacial dynamics of crystalline Cu and CuZr metallic glass films. 2020 , 153, 124508	8
164	Physical vapor deposition of a polyamorphic system: Triphenyl phosphite. 2020 , 153, 124511	4
163	Photon Activation of Glassy Dynamics: A Mechanism for Photoinduced Fluidization, Aging, and Information Storage in Amorphous Materials. 2020 , 124, 8434-8453	2
162	The looks of a million-year-old polymer glass. 2020 , 19, 1041-1042	
161	Fragility and correlated dynamics in supercooled liquids. 2020 , 153, 124501	1

160	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab Initio Approach. 2020 , 132, 22369-22377	0
159	Polyamorphism of vapor-deposited amorphous selenium in response to light. 2020 , 117, 24076-24081	7
158	Local Structure of Glassy Lithium Phosphorus Oxynitride Thin Films: A Combined Experimental and Ab Initio Approach. 2020 , 59, 22185-22193	8
157	Depletion of Two-Level Systems in Ultrastable Computer-Generated Glasses. 2020 , 124, 225901	20
156	Surface diffusion in glasses of rod-like molecules posaconazole and itraconazole: effect of interfacial molecular alignment and bulk penetration. 2020 , 16, 5062-5070	18
155	A Thioxanthenothioxanthene-based Hole Transporter with 2D Molecular Stacking for Efficient and Thermostable Perovskite Solar Cells. 2020 , 2, 691-698	7
154	Polymeric liquid layer densified by surface acoustic wave. 2020 , 152, 224901	0
153	Glass engineering of aminotriazine-based materials with sub-ambient T _g and high kinetic stability. 2020 , 22, 4275-4288	0
152	Rheological similarities between dense self-propelled and sheared particulate systems. 2020 , 16, 3642-3648	2
151	Sound attenuation in finite-temperature stable glasses. 2020 , 16, 7165-7171	4
150	Metallic Glacial Glass Formation by a First-Order Liquid-Liquid Transition. 2020 , 11, 6718-6723	15
149	Vapor-Deposited Glasses Highlight the Role of Density in Photostability. 2020 , 124, 6112-6120	1
148	Incident Velocity Induced Nonmonotonic Aging of Vapor-Deposited Polymer Glasses. 2020 , 124, 5740-5745	2
147	Ultrastable monodisperse polymer glass formed by physical vapour deposition. 2020 , 19, 1110-1113	15
146	Nanodiamond Glass with Rubber Bond in Natural Rubber. 2020 , 30, 1909791	6
145	Local Density Correlations in Liquids. 2020 , 8,	12
144	LOOKING AT THE GLASS TRANSITION: CHALLENGES OF EXTREME TIME SCALES AND OTHER INTERESTING PROBLEMS. 2020 , 93, 79-120	12
143	Nucleation and Growth of the Supercooled Liquid Phase Control Glass Transition in Bulk Ultrastable Glasses. 2020 , 124, 076002	8

142	Molecular Orientation for Vapor-Deposited Organic Glasses Follows Rate-Temperature Superposition: The Case of Posaconazole. 2020 , 124, 2505-2513	11
141	Using Mw Dependence of Surface Dynamics of Glassy Polymers to Probe the Length Scale of Free-Surface Mobility. 2020 , 53, 1084-1089	9
140	What We Need to Know about Solid-State Isothermal Crystallization of Organic Molecules from the Amorphous State below the Glass Transition Temperature. 2020 , 17, 1761-1777	8
139	Local mechanical properties of an ultrastable metallic glass. 2020 , 32, 345101	3
138	On the equivalence of vapor-deposited and melt-quenched glasses. 2020 , 152, 164504	5
137	Extreme Elasticity Anisotropy in Molecular Glasses. 2020 , 30, 2001481	9
136	Comparing amorphous silicon prepared by electron-beam evaporation and sputtering toward eliminating atomic tunneling states. 2021 , 855, 157431	1
135	Molecular orientation and thermal stability of thin-film organic semiconductors. 2021 , 88, 106014	5
134	Ultrastable Ni-P amorphous alloy formed via high temperature electrodeposition. 2021 , 551, 120398	3
133	Decoupling Role of Film Thickness and Interfacial Effect on Polymer Thin Film Dynamics.. 2021 , 10, 1-8	9
132	Role of oxygen in surface kinetics of SiO ₂ growth on single crystal SiC at elevated temperatures. 2021 , 47, 1855-1864	1
131	Internal friction measurements of low energy excitations in amorphous germanium thin films. 2021 , 856, 157616	
130	High pressure aging studies on the low-molecular weight glass-forming pharmaceutical (Probuco). 2021 , 321, 114626	3
129	Polyamorphism in vapor-deposited 2-methyltetrahydrofuran: A broadband dielectric relaxation study. 2021 , 154, 024502	2
128	A mechanism for ageing in a deeply supercooled molecular glass. 2021 , 57, 6368-6371	4
127	Sign flipping of spontaneous polarization in vapour-deposited films of small polar organic molecules. 2021 , 23, 14352-14362	1
126	Melt-quenched porous organic cage glasses. 2021 , 9, 19807-19816	4
125	Role of Nanoscale Interfacial Proximity in Contact Freezing in Water. 2021 , 143, 2272-2284	2

124	Low temperature aging in a molecular glass: the case of -methyl formate. 2021 , 23, 15719-15726	1
123	Enhanced Mechanical Properties of Metallic Glass Thin Films via Modification of Structural Heterogeneity. 2021 , 14,	1
122	Thermodynamics of Glasses. 2021 , 261-271	
121	Effect of Nanopore Geometry in the Conformation and Vibrational Dynamics of a Highly Confined Molecular Glass. 2021 , 21, 1778-1784	2
120	Role of phonon softening induced by anisotropic fluctuations in the enhanced mobility at free glassy surfaces. 2021 , 103,	2
119	Correlation between internal states and creep resistance in metallic glass thin films. 2021 , 129, 085302	3
118	Postface  Personal Retrospective. 2021 , 1457-1462	1
117	Varying kinetic stability, icosahedral ordering, and mechanical properties of a model Zr-Cu-Al metallic glass by sputtering. 2021 , 5,	3
116	Deposited Mono-component Cu Metallic Glass: A Molecular Dynamics Study. 2021 , 26, 102083	1
115	Ideal glass verified as the dissipative structure of a silicate glass after long aging below the Kauzmann temperature. 2021 , 60, 047002	
114	Factors correlating to enhanced surface diffusion in metallic glasses. 2021 , 154, 104502	5
113	Reaching the Ideal Glass in Polymer Spheres: Thermodynamics and Vibrational Density of States. 2021 , 126, 118004	7
112	Using Deposition Rate and Substrate Temperature to Manipulate Liquid Crystal-Like Order in a Vapor-Deposited Hexagonal Columnar Glass. 2021 , 125, 2761-2770	5
111	Crystallization kinetics of amorphous acetonitrile nanoscale films. 2021 , 154, 144703	2
110	Glass Transition in Organic Semiconductor Thin Films. 2021 , 285-298	
109	Transition from relaxation to rejuvenation in ultrastable metallic glass driven by annealing. 2021 , 546, 149048	2
108	Ultrastable Glassy Polymer Films with an Ultradense Brush Morphology. 2021 , 15, 9568-9576	4
107	Mechanisms of bulk and surface diffusion in metallic glasses determined from molecular dynamics simulations. 2021 , 209, 116794	7

106	Nanoglass and Nanocrystallization Reactions in Metallic Glasses. 2021 , 8,	0
105	Structural and optical properties of amorphous Si-Ge-Te thin films prepared by combinatorial sputtering. 2021 , 11, 11755	3
104	Insertion-Crystallization-Induced Low-Temperature Annealing Peaks in Melt-Crystallized Poly(L-Lactic Acid). 2021 , 222, 2100177	4
103	Synthesis and properties optimization of high-performance nanostructured metallic glass thin films. 2021 , 14, 100114	1
102	Fast Surface Dynamics on a Metallic Glass Nanowire. 2021 ,	6
101	Active Control of Spontaneous Orientation Polarization of Tris(8-hydroxyquinolino)aluminum (Alq ₃) Films and Its Effect on Performance of Organic Light-Emitting Diodes. 2021 , 7, 2100486	2
100	The role of nano-scale elastic heterogeneity in mechanical and tribological behaviors of a Cu ₄₇ Zr based metallic glass thin film. 2021 , 133, 107159	3
99	Internal molecular conformation of organic glasses: A NEXAFS study. 2021 , 155, 034503	1
98	Metallic Nanoglasses with Promoted Relaxation and Tensile Plasticity. 2021 , 21, 6051-6056	7
97	Glasses denser than the supercooled liquid. 2021 , 118,	6
96	Periodic island-layer-island growth during deposition of ultrastable metallic glasses. 2021 , 2,	0
95	Reprint of: Nanocalorimetry: Door opened for in situ material characterization under extreme non-equilibrium conditions. 2021 , 120, 100819	1
94	Mobility gradients yield rubbery surfaces on top of polymer glasses. 2021 , 596, 372-376	13
93	Glass Dynamics Deep in the Energy Landscape. 2021 , 125, 9052-9068	5
92	Microscopic Structural Evolution during Ultrastable Metallic Glass Formation. 2021 , 13, 40098-40105	3
91	Deep glassy state dynamic data challenge glass models: Configurational entropy models. 2021 , 566, 120871	4
90	Deposition control of model glasses with surface-mediated orientational order. 2021 , 155, 124502	0
89	Sampling stable amorphous tantalum states from energy landscape. 2021 , 202, 114018	

88	Evaluation of Microstructure, Mechanical and Thermal Properties of TiZrPdCu and TiZrPdCuBi Nanoglass Thin Films. 1	0
87	Enhanced medium-range order in vapor-deposited germania glasses at elevated temperatures. 2021 , 7, eabh1117	2
86	Natural aging of Ni60Nb40 metallic glass thin film: Evolution of microstructure and mechanical properties. 2021 , 192, 110441	3
85	Polymers under nanoconfinement: where are we now in understanding local property changes?. 2021 , 50, 8050-8066	9
84	Organic Glass Scintillators. 2021 , 243-283	
83	Heat Capacity and Entropy Functions in Strong and Fragile Glass-Formers, Relative to Those of Disordering Crystalline Materials. 2011 , 21-40	6
82	Tailoring nanostructured Ni-Nb metallic glassy thin films by substrate temperature. 2020 , 194, 13-26	12
81	Theory of Simple Glasses: Exact Solutions in Infinite Dimensions. 2020 ,	46
80	In situ observation of fast surface dynamics during the vapor-deposition of a stable organic glass. 2020 , 16, 10860-10864	4
79	Low-temperature anomalies of a vapor deposited glass. 2018 , 2,	23
78	Evidence of thermal transport anisotropy in stable glasses of vapor deposited organic molecules. 2018 , 2,	14
77	Fundamentals of polymers and glasses. 2016 , 1-22	4
76	Correlating glass transition and physical aging in thin polymer films. 2016 , 181-204	10
75	Behavior of Vapor-Deposited Molecular Glass and Supercooled Liquid Obtained through Glass Transition from the Glass. 2012 , 40, 129-136	1
74	From complex to simple : hierarchical free-energy landscape renormalized in deep neural networks. 2020 , 2,	2
73	Kinetic multi-layer model of aerosol surface and bulk chemistry (KM-SUB): the influence of interfacial transport and bulk diffusion on the oxidation of oleic acid by ozone.	5
72	Enthalpy relaxation studies of memory effect in various glass formers in the vicinity of glass transition. 2017 , 66, 176406	3
71	Recent progress of the glassy materials and physics. 2018 , 67, 126101	2

70	Impact of chirality on the amorphous state of conglomerate forming systems: a case study of -acetyl- β -methylbenzylamine. 2021 , 23, 24282-24293	0
69	Gradient in refractive index reveals denser near free surface region in thin polymer films. 2021 , 155, 144901	2
68	Introduction. 2010 , 1-8	
67	Smaller than Colloids: Characterization of Stable Organic Glass. 2010 , 123-130	
66	Frontmatter. i-xviii	
65	Dynamic Calorimetric Glass Transition in Thin Polymer Films. 2014 , 307-338	1
64	Understanding Physical Aging in Ultrathin Polymer Films via Molecular Simulations. 2015 , 89-108	
63	Amorphous Materials: Two-Level and Tunneling States. 2016 ,	
62	Conclusions. 2017 , 159-168	
61	Ultrastable glasses. 2017 , 66, 176108	1
60	Metastable Glasses. 2017 , 49-83	
59	The Replica Symmetric Ansatz. 2017 , 99-125	
58	Exploring the Dynamics of Glasses Using Beta Detected NMR. 2018 ,	1
57	Anisotropy and anharmonicity in polystyrene stable glass. 2020 , 153, 214508	0
56	Metal and metal oxide amorphous nanomaterials towards electrochemical applications. 2021 ,	3
55	Mechanical and dielectric response within and beyond the linear regime. 2020 , 32, 494001	
54	Recent Advances in the Application of Characterization Techniques for Studying Physical Stability of Amorphous Pharmaceutical Solids. 2021 , 11, 1440	2
53	Memory Effect and Crystallization of (,)-2-Chloromandelic Acid Glass. 2021 , 125, 13339-13347	

52	Vapor deposition rate modifies anisotropic glassy structure of an anthracene-based organic semiconductor.. 2022 , 156, 014504	1
51	A liquid with distinct metastable structures: Supercooled butyronitrile.. 2022 , 156, 044501	
50	Characterization of the Interfacial Orientation and Molecular Conformation in a Glass-Forming Organic Semiconductor.. 2022 ,	1
49	Surface diffusion of a glassy discotic organic semiconductor and the surface mobility gradient of molecular glasses.. 2022 , 156, 094710	0
48	A Statistical Mechanics Perspective on Glasses and Aging. 2021 , 1-68	1
47	Emergence of two-level systems in glass formers: a kinetic Monte Carlo study.. 2022 ,	0
46	Surface Diffusion Is Controlled by Bulk Fragility across All Glass Types.. 2022 , 128, 075501	4
45	Some open challenges in polymer physics.	2
44	Nanoscale-to-Mesoscale Heterogeneity and Percolating Favored Clusters Govern Ultrastability of Metallic Glasses.. 2022 ,	0
43	Surface dynamics of glasses. 2022 , 9, 011316	3
42	Ultrastable glasses: new perspectives for an old problem. 1	2
41	Compositional trends in surface enhanced diffusion in lead silicate glasses. 2022 , 206, 111304	
40	Design of a homologous series of molecular glassformers.. 2021 , 155, 224503	1
39	Revealing the nature of glass by the hyperquenching-annealing-calorimetry approach. 2022 , 100099	1
38	Role of Molecular Layering in the Enhanced Mechanical Properties of Stable Glasses.. 2022 , 3360-3368	0
37	Microscopic analysis of sound attenuation in low-temperature amorphous solids reveals quantitative importance of non-affine effects.. 2022 , 156, 144502	1
36	Transient learning degrees of freedom for introducing function in materials.. 2022 , 119, e2117622119	2
35	Glasses and Aging, A Statistical Mechanics Perspective on. 2022 , 229-296	0

- 34 Vapor-Deposited Thin Films: Studying Crystallization and Relaxation Dynamics of the Molecular Drug Celecoxib.. **2022**, 1
- 33 The Role of Intra-molecular Relaxations on the Structure and Stability of vapor-Deposited Glasses.
- 32 Fast Scanning Calorimetry. **2022**, 75-168
- 31 A density scaling conjecture for aging glasses. 2
- 30 The nanocopper interface induces the formation of a new ultrastable glass phase. **2022**, 593, 121764
- 29 Annealing glasses by cyclic shear deformation. **2022**, 157, 044501 1
- 28 Origin of the broad endothermic peak observed at low temperatures for polystyrene and metals in Flash differential scanning calorimetry. 0
- 27 Ultrastable metallic glass by room temperature aging. **2022**, 8, 0
- 26 Crystallization Kinetics in a Glass-Forming Hybrid Metal Halide Perovskite. 1840-1847 1
- 25 Solid state of inhalable high dose powders. **2022**, 189, 114468 0
- 24 Size effects on the structural and physical properties of Cu₅₀Zr₅₀ metallic glass nanoparticles. **2023**, 145, 115502 0
- 23 Influence of Surface Roughness on the Dynamics and Crystallization of Vapor-Deposited Thin Films. 0
- 22 Understanding the difference in the stretched structural relaxations probed by dielectric and enthalpic studies of glass forming substances. 0
- 21 Emergence of equilibrated liquid regions within the glass. 0
- 20 Experimental evidence for the presence of irreversibly adsorbed material in vapor deposited glasses. **2022**, 120675 0
- 19 Structural Measures as Guides to Ultrastable States in Overjammed Packings. **2022**, 129, 0
- 18 Distribution of atomic rearrangement vectors in a metallic glass. **2022**, 132, 195103 0
- 17 Nonmonotonic Dynamical Correlations beneath the Surface of Glass-Forming Liquids. **2022**, 129, 1

- 16 Metallic Glacial Glass. **2022**, ○
- 15 Hidden and universal relaxation mode in metallic glasses of simple atomic structure. **2022**, 106, ○
- 14 Modern computational studies of the glass transition. 1
- 13 Creating bulk ultrastable glasses by random particle bonding. **2023**, 14, ○
- 12 Solution-Processed OLEDs for Printing Displays. ○
- 11 Rejuvenation to relaxation transition and liquid memory effect in La-based metallic glasses with different energy states. **2023**, 156, 107864 ○
- 10 Fracture universality in amorphous nanowires. **2023**, 173, 105210 ○
- 9 Atomic Structural Origin of Fictive Temperature Revealed by AZnP₃O₉ (A=K, Rb) Glasses. **2023**, 62, ○
- 8 Atomic Structural Origin of Fictive Temperature Revealed by AZnP₃O₉ (A=K, Rb) Glasses. **2023**, 135, ○
- 7 Surface-Mediated Formation of Stable Glasses. **2023**, 74, ○
- 6 Surface and bulk relaxation of vapor-deposited polystyrene glasses. **2023**, 158, 094901 ○
- 5 Using 4D STEM to Probe Mesoscale Order in Molecular Glass Films Prepared by Physical Vapor Deposition. **2023**, 23, 2009-2015 ○
- 4 Challenging the Kauzmann paradox using an ultra-stable perfluoropolymer glass with a fictive temperature below the dynamic VFT temperature. **2023**, 13, ○
- 3 Surface premelting and melting of colloidal glasses. **2023**, 9, ○
- 2 Computer simulations of the glass transition and glassy materials. **2023**, 24, 1-16 ○
- 1 New pathways to control the evolution of the atomic motion in metallic glasses. **2023**, 24, 1-11 ○