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Anomalous low-temperature thermal properties of glasses and spin glasses

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2325	On thermal expansion of glasses at low temperature. 1972 , 5, 1943-1944		6
2324	ac Conductivity of Glasses. 1972 , 28, 1449-1451		345
2323	Reply [to Discussion of paper by J. A. Morrison and P. R. Norton, "The heat capacity and thermal conductivity of Apollo 11 lunar rocks 10017 and 10046 at liquid helium temperatures"] 1972 , 77, 967-968		1
2322	Relationship between the linear term of the specific heat and a Curie law magnetic susceptibility in non-crystalline carbons. 1972 , 40, 242-244		9
2321	Saturation of the ultrasonic absorption in vitreous silica at low temperatures. 1972 , 42, 253-255		105
2320	Tunneling states and the low-temperature thermal expansion of glasses. 1973 , 11, 757-763		57
2319	Thermal properties of dielectric solids below 4 K [polycarbonate]. 1973 , 13, 718-721		18
2318	Anomalous ultrasonic attenuation in vitreous silica at low temperatures. 1973 , 45, 311-312		53
2317	Influence of cooling rate on the heat capacity and thermal transitions of amorphous polyhexene-1. 1973 , 14, 167-170		18
2316	A cellular model for the specific heat of amorphous solids at low temperatures. 1973 , 13, 225-228		29
2315	The heat capacities of a soda silica and a soda germania glass between 1.5 and 25 K. 1973 , 13, 701-703		8
2314	Thermodynamic functions of a spin glass. 1973 , 13, 1267-1271		9
2313	Specific heat of vitreous systems: Temperature dependence near absolute zero. 1973 , 13, 100-106		2
2312	Low-Temperature Specific Heat and Thermal Conductivity of Noncrystalline Dielectric Solids. 1973 , 8, 2896-2905		401
2311	Nature of Localized States in Amorphous Semiconductors [A Study by Electron Spin Resonance]. 1973 , 7, 685-691		118
2310	Nonlinear Phonon Propagation in Fused Silica below 1 K. 1973 , 30, 223-226		134
2309	Thermal Conductivity of Vitreous Silica at Low Temperatures. 1973 , 8, 5860-5865		28

2308	Macroscopic Inhomogeneities in Amorphous Semiconductors; Contactless Conductivity. 1973 , 30, 13-16	5
2307	Young's modulus and internal friction in metallic glass alloys from 1.5 to 300 K. 1974 , 9, 4073-4083	77
2306	Specific heat of a dilute magnetic alloy with magnetic interactions: ZnMn. 1974 , 9, 942-949	16
2305	Nuclear quadrupole resonance in amorphous and crystalline As ₂ S ₃ . 1974 , 9, 4258-4276	92
2304	Low-temperature specific heat of Li ₂ O/Al ₂ O ₃ /SiO ₂ glasses and keatite-phase glass ceramics. 1974 , 45, 2133-2137	8
2303	The low-temperature heat capacity of GeO ₂ . <i>Philosophical Magazine and Journal</i> , 1974 , 29, 803-812	28
2302	Heat capacity of Apiezon N grease from 1 to 50 K. 1974 , 14, 661-662	14
2301	Messung der spezifischen Wärme von gestifteten und amorphen Indium-, Blei-, Thallium- und Wismut-Schichten bei tiefer Temperatur. 1974 , 267, 283-286	10
2300	Vibrational Properties of Non-Crystalline Solids. 1974 , 62, 9-42	44
2299	Ultrasonic attenuation through tunneling state in the quantum mechanical regime. 1974 , 50, 299-300	1
2298	Magnetization and specific heat of amorphous magnets and high-temperature crystalline magnets, S. 1974 , 75, 483-514	13
2297	Magnetization and specific heat of amorphous magnets and high-temperature crystalline magnets. 1974 , 74, 496-528	12
2296	Non-linear temperature dependence of the low temperature specific heat of vitreous B ₂ O ₃ . 1974 , 14, 957-961	49
2295	Random-network model, density fluctuation, and thermal conductivity of glasses. 1974 , 14, 335-339	56
2294	Specific heat of glasses at low temperatures. 1974 , 15, 579-581	7
2293	Nonlinear ultrasonic attenuation in glasses. 1974 , 14, 192-200	68
2292	Anomalous Sound Velocity in Vitreous Silica at Very Low Temperatures. 1974 , 32, 1426-1429	166
2291	Thermal Conductivity of Borosilicate Glass. 1974 , 33, 1158-1161	48

2290	The thermal conductivity of epoxy-resin / powder composite materials. 1974 , 7, 1247-1258	157
2289	. 1974 , 10, 180-181	
2288	The low-temperature thermal conductivity of a semi-crystalline polymer, polyethylene terephthalate. 1975 , 8, 3121-3130	44
2287	The effect of crystallization on the low-temperature specific heat of an amorphous polymer. 1975 , 54, 375-377	16
2286	The density of low energy states in vitreous silica: Specific heat and thermal conductivity down to 25 mK. 1975 , 17, 1045-1049	228
2285	Propagation of transverse sound waves in glasses at very low temperatures. 1975 , 17, 1189-1192	48
2284	Experimental evidence for the direct interaction between two-level systems in glasses at very low temperatures. 1975 , 17, 883-886	72
2283	Study of thermal conductivity and specific heat of amorphous and partially crystalline poly(ethylene terephthalate) in relation to its structure. 1975 , 36, 1389-1396	18
2282	An Explanation for the Plateau in the Thermal Conductivity of Non-Crystalline Solids. 1975 , 71, 323-327	33
2281	Ultrasonic attenuation of silver ions in RbAg ₄ I ₅ single crystals. 1975 , 11, 2711-2716	33
2280	Low-temperature nuclear-spin lattice relaxation in glasses. 1975 , 12, 3476-3478	63
2279	Temperature Dependence of the Far-Infrared Absorption Spectrum in Amorphous Dielectrics. 1975 , 35, 1352-1355	41
2278	Short-Time-Scale Measurement of the Low-Temperature Specific Heat of Polymethyl Methacrylate and Fused Silica. 1975 , 34, 1220-1223	60
2277	Microwave phonon attenuation in rare-earth garnets: lon-phonon interactions. 1975 , 11, 3491-3496	4
2276	Ultrasonic investigation of amorphous As ₂ S ₃ from 1.5 to 480 K. 1975 , 11, 4017-4029	44
2275	Nuclear Spin-Lattice Relaxation Associated with Low-Energy Excitations in Glasses. 1975 , 34, 657-660	75
2274	Very-low-frequency Raman scattering in vitreous silica. 1975 , 12, 2432-2440	227
2273	Low temperature specific heat of (V _{1-x} Cr _x) ₂ O ₃ and (V _{1-x} Al _x) ₂ O ₃ . 1975 , 12, 5288-5296	10

2272	Low-Temperature Specific Heat of a One-Dimensional System: $K_2Pt(CN)_4Br_0.3 \cdot H_2O$. 1975 , 34, 473-476	9
2271	Nuclear Spin-Lattice Relaxation in Amorphous Materials: B_2O_3 . 1975 , 34, 1444-1447	65
2270	Soft surface phonons in porous glasses. 1975 , 12, 2520-2526	3
2269	Superfluid helium in a restricted geometry. 1975 , 8, 1357-1361	
2268	The zero-frequency susceptibility of spin glasses and mictomagnets. 1975 , 5, 2148-2167	83
2267	The linear T dependence of the specific heat and the saturation of the susceptibility for T to 0 in dilute magnetic alloys. 1975 , 5, 1957-1965	2
2266	On the nature of low-energy excitations in amorphous materials. 1975 , 8, L423-L426	29
2265	Spingl̄er Einige typische physikalische eigenschaften und modelle. 1975 , 2, 47-58	8
2264	States in the gap and recombination in amorphous semiconductors. <i>Philosophical Magazine and Journal</i> , 1975 , 32, 961-996	731
2263	Optical studies of the vibrational properties of disordered solids. 1975 , 47, S1-S179	647
2262	Low-temperature specific heat of vitreous silica containing hydrogen or helium solutes. 1975 , 17, 241-244	6
2261	Ultrasonic wave velocities and attenuation in IVb-Vb-VIb chalcogenide glasses: 2800 K. 1975 , 18, 417-427	13
2260	AC conductivity in amorphous germanium. 1975 , 18, 429-437	44
2259	Model for the Electronic Structure of Amorphous Semiconductors. 1975 , 34, 953-955	1324
2258	Thermal Expansion of Vitreous Silica at Low Temperatures. 1975 , 34, 204-205	62
2257	Phonon thermal transport in noncrystalline materials. 1975 , 12, 4475-4486	205
2256	Anomalous Dielectric Dispersion in Glasses at Low Temperatures. 1975 , 35, 876-878	79
2255	Conjectures on the structure of amorphous solid and liquid water. 1975 , 109-200	54

2254	Zur spezifischen Wärme amorpher Metalle. 1975 , 20, 147-153	18
2253	Structural Manifestations in Amorphous Alloys: Resistance Minima. 1975 , 35, 676-679	341
2252	Phase transitions of a nearest-neighbor Ising-model spin glass. 1976 , 14, 2142-2152	171
2251	Theory of spin glasses. II. 1976 , 6, 1927-1937	157
2250	Anomalous Fluorescence Linewidth Behavior in Eu ³⁺ -Doped Silicate Glass. 1976 , 36, 813-816	174
2249	Two-electron excitations and the low temperature properties of glasses. <i>Philosophical Magazine and Journal</i> , 1976 , 34, 983-991	41
2248	Low-frequency Grüneisen parameters of glasses: Model estimation. 1976 , 21, 293-296	1
2247	Short range antiferromagnetic ordering in vitreous Fe ₂ O ₃ ?P ₂ O ₅ . 1976 , 21, 95-105	32
2246	Elastic effects of structural relaxation in glasses at low temperatures. 1976 , 20, 365-391	240
2245	New dynamic aspects of amorphous dielectric solids. 1976 , 267-291	5
2244	Amorphous semiconductors. 1976 , 29, 23-31	10
2243	Temperature dependence of the anomalous specific heat of glasses and amorphous solids. 1976 , 259, 108-109	12
2242	Low temperature specific heat of glasses and amorphous solids. 1976 , 264, 534-535	6
2241	THE ANOMALOUS THERMAL PROPERTIES OF GLASSES AT LOW TEMPERATURES*. 1976 , 279, 150-172	47
2240	CAN TUNNELING LEVELS EXPLAIN THE ANOMALOUS PROPERTIES OF GLASSES AT VERY LOW TEMPERATURE?. 1976 , 279, 173-179	29
2239	Acoustic absorption in amorphous silicate down to 1 K. 1976 , 36, 51-60	2
2238	Lattice specific heat of superconducting amorphous indium films. 1976 , 25, 173-176	11
2237	Disorder in ferroelectrics. 1976 , 18, 1543-1547	18

2236	Specific heat of soft carbons between 0.4 and 4.5°K. 1976 , 14, 211-218	6
2235	Intensity-dependent phonon group velocity in SiO ₂ glasses at 0.023 K. 1976 , 57, 487-488	0
2234	Quenching of Mössbauer effect in molecular solids. 1976 , 56, 221-222	1
2233	Surface-phonon-assisted tunneling in two-dimensional amorphous systems at low temperatures. 1976 , 20, 721-723	6
2232	Monte Carlo study of a two-dimensional Ising spin-glass 1976 , 18, 1361-1364	60
2231	Glassy low-temperature thermal properties in crystalline superconducting Zr-Nb alloys. 1976 , 19, 335-338	52
2230	Tunneling in ligand binding to heme proteins. 1976 , 192, 1002-4	122
2229	The dielectric coupling of low-energy excitations in vitreous silica to electromagnetic waves. 1976 , 9, L439-L442	59
2228	Intrinsic decay lengths of quasimonochromatic phonons in a glass below 1 K. 1976 , 14, 1660-1662	92
2227	Behavior of thermal phonons in amorphous media from 4 to 300 K. 1976 , 14, 823-828	88
2226	Infrared and microwave absorption in amorphous Ge. 1976 , 13, 1711-1719	19
2225	Phase Velocity of High-Frequency Phonons in Glass below 1 K. 1976 , 37, 1248-1250	25
2224	Selectively Laser-Excited Perylene, Matrix-Isolated in Langmuir Films, Providing a Phonon Memory. 1976 , 37, 909-912	36
2223	Low-frequency Raman scattering by defects in glasses. 1976 , 14, 2637-2641	117
2222	Thermal conductivities of Li, Na, K, and Ag alumina below 300 K. 1976 , 14, 5198-5204	52
2221	Nuclear spin-lattice relaxation in amorphous and crystalline B ₂ O ₃ . 1976 , 13, 959-968	40
2220	Spectroscopic Observation of Very-Low-Energy Excitations in Glasses. 1976 , 36, 1188-1191	24
2219	Effect of lattice instability on superconductivity in sodium tungsten bronze. 1976 , 13, 1032-1039	35

2218	Transient Effects in Low-Temperature Specific Heat of Amorphous Dielectrics. 1976 , 36, 1406-1409	6
2217	Nuclear magnetic resonance and relaxation in vitreous and liquid B ₂ O ₃ and B ₂ S ₃ . 1976 , 14, 2778-2786	29
2216	Intrinsic low-temperature thermal properties of glasses. 1976 , 13, 852-865	182
2215	Polarizability of the low-energy excitations in disordered solids. 1976 , 14, 754-761	11
2214	The negligible effect of strain on the low-temperature heat capacity of silica glass. 1976 , 14, 1327-1328	6
2213	Tunneling states in amorphous thin films at low temperatures: Thermal and acoustical properties of amorphous thin films. 1976 , 14, 4670-4675	11
2212	Inclusion Compounds. 1976 , 89-166	22
2211	Temperature and magnetic field dependences of the resistivity of amorphous alloys. 1977 , 7, 1799-1710	67
2210	Influence of an electromagnetic wave on the acoustic absorption of borosilicate glass at low temperatures. 1977 , 10, L161-L165	18
2209	Electric and magnetic properties of PtCr near the percolation limit. 1977 , 7, 1811-1821	12
2208	Sound propagation in amorphous Co-P. 1977 , 10, L285-L287	27
2207	Spin waves in a Mattis random magnet. 1977 , 10, L7-L11	30
2206	Spectrum of low-energy dipolar states in hydrated vitreous silica. 1977 , 10, L515-L519	41
2205	Long-range refractive index fluctuations in optical glass as revealed by light scattering. 1977 , 10, 2533-2537	1
2204	Two-level systems in a spin-glass model. I. General formalism and two-dimensional model. 1977 , 10, 4793-4803	236
2203	Disorder in ferroelectrics: Relaxation effects. 1977 , 16, 85-87	18
2202	Spectral diffusion, phonon echoes, and saturation recovery in glasses at low temperatures. 1977 , 16, 2879-2895	340
2201	Viscous liquids and the glass transition. VI. Relaxations in simple molecule glasses in the 407 K range. 1977 , 66, 4736-4744	47

2200	Linear Specific Heat of Disordered Solids at Low Temperatures. 1977 , 39, 41-43	7
2199	Anomalous Thermal Properties of Glasses. 1977 , 39, 554-557	26
2198	Unusual specific heat of a linear-chain mercury compound. 1977 , 16, 3373-3378	20
2197	Model of the Ferroelectric Phase Transition in the Tetragonal Tungsten-Bronze-Structure Ferroelectrics. 1977 , 38, 74-77	36
2196	Model for the Electronic Properties of Amorphous Semiconductors. 1977 , 39, 157-160	12
2195	Phonon transport in glassy metals below 100 K. 1977 , 16, 3406-3410	54
2194	Unusual Phonon Heat Transport in an Amorphous Superconducting PbCu Film. 1977 , 39, 1205-1208	25
2193	Low-frequency inelastic light scattering from chalcogenide glasses and alloys. 1977 , 16, 1655-1674	190
2192	Low-Temperature Thermal Conductivity of Amorphous Germanium. 1977 , 39, 1420-1423	20
2191	Light Scattering of Glass. 1977 , 12, 157-222	16
2190	Resonance Effects in Glasses. 1977 , 223-281	
2189	Acoustic and dielectric properties of glasses at low temperatures. 1977 , 1-11	4
2188	Low-temperature thermal conductivity of an amorphous palladium silicon alloy. 1977 , 23, 129-137	80
2187	The electrical properties of glasses. 1977 , 25, 370-423	66
2186	Spectral diffusion in glasses at low temperatures. 1977 , 24, 813-816	31
2185	Dynamics and thermodynamics of the molecular polaron. 1977 , 10, 4471-4489	49
2184	Low-Temperature Properties of a Superconducting Disordered Metal. 1977 , 39, 1480-1483	161
2183	Silicon dioxide and the chalcogenide semiconductors; similarities and differences. 1977 , 26, 363-391	139

2182	Theory of spin glasses: A brief review. 1977 , 55-84	19
2181	Low-temperature heat capacity of alkali-metal and silver Aluminas. 1977 , 15, 553-560	58
2180	New dielectric properties of glasses at very low temperatures. 1977 , 38, 153-156	28
2179	Les propriétés acoustiques des verres isolants à basse température. 1977 , 12, 809-816	2
2178	Conduction thermique des verres aux basses températures. 1977 , 38, 95-99	33
2177	Dielectric and electrical properties of magnesium and aluminum fluoride thin films. 1977 , 27, 293-297	3
2176	Thermal conductivity of polymers. 1977 , 18, 984-1004	303
2175	A.C. conductivity of bulk glassy chalcogenides. 1977 , 21, 309-312	8
2174	Saturation of the dielectric absorption of vitreous silica at low temperatures. 1977 , 64, 144-146	72
2173	Sound propagation in amorphous metallic Pd ₂ Si at low temperatures. 1977 , 62, 125-126	35
2172	Sound propagation in amorphous selenium at low temperatures. 1977 , 62, 127-128	17
2171	Amorphous echo. 1977 , 20, 892-897	2
2170	Low temperature specific heat calculations for amorphous polystyrene. 1977 , 45, 606-610	5
2169	The low temperature heat capacity of some glass ceramics. 1977 , 52, 469-472	11
2168	Localised acoustic phonons in glasses and their effects on low temperature thermal conductivity and raman spectra. 1977 , 50, 112-115	2
2167	Anomalous phonon thermal resistivity in superconducting Ti ₅ Nb ₄ 5 alloys. 1977 , 23, 189-192	20
2166	Phonon lifetimes in fused quartz at low temperatures. 1977 , 21, 1063-1064	3
2165	Dynamics of spin glasses. 1977 , 23, 687-690	88

2164	Random collinear structures of a dilute magnetic alloy. 1977 , 79, 379-390	7
2163	On the use of generalized Langevin equations in phonon transport problems. 1978 , 85, 195-201	4
2162	Consequences of the linear part of the specific heat of dilute magnetic alloys. 1978 , 90, 269-275	
2161	Non-photochemical hole burning and impurity site relaxation processes in organic glasses. 1978 , 27, 151-157	168
2160	Anomalous electrical conduction in disordered and non-crystalline metallic conductors. 1978 , 27, 691-695	76
2159	On the origin of thermal anomalies in amorphous systems. 1978 , 27, 609-612	18
2158	Temperature dependence of electron spin-lattice relaxation of radiation-produced silver atoms in polycrystalline aqueous and glassy organic matrices. Importance of relaxation by tunneling modes in disordered matrices. 1978 , 31, 259-270	2
2157	The thermal conductivity of disordered and amorphous metal films. 1978 , 29, 89-100	14
2156	Phonon frequency distribution of amorphous arsenic and germania. 1978 , 43, 57-64	
2155	Low frequency Raman scattering from polystyrene. 1978 , 34, 387-389	7
2154	A new broadening mechanism in tunneling systems. 1978 , 28, 49-51	1
2153	Low temperature resistivities of Fe _x Ni _{80-x} P ₁₄ B ₆ metallic glasses. 1978 , 27, 441-444	26
2152	Low temperature specific heat anomalies and spin-spin interactions in soft carbons and in neutron irradiated polycrystalline graphite. 1978 , 16, 163-170	3
2151	Mechanisms of non-photochemical hole-burning in organic glasses. 1978 , 54, 435-438	56
2150	Theory for the first-order vibrational spectra of disordered solids. 1978 , 17, 1928-1933	187
2149	Density fluctuations from elastic dipoles in glasses at low temperatures. 1978 , 30, 243-253	5
2148	Acoustic behaviour of amorphous selenium. 1978 , 30, 61-68	13
2147	The effect of heat treatment on the heat capacity of vitreous silica between 0.3 and 4.2 K. 1978 , 28, 67-76	13

2146	Structure and the low temperature properties of amorphous solids. 1978 , 31, 267-283	67
2145	Nuclear spin lattice relaxation in the amorphous state: Towards an understanding. 1978 , 29, 253-281	99
2144	A study of the magnetic and transport properties of amorphous electrodeposited nickel-phosphorus alloys. 1978 , 8, 845-857	43
2143	On the resistivity of amorphous ferromagnets. 1978 , 8, 1187-1200	16
2142	The low-temperature thermal properties of amorphous arsenic. 1978 , 38, 271-288	95
2141	Anomalous low-temperature properties of amorphous magnets with random anisotropy axes (C2111). 1978 , 8, L197-L199	8
2140	Commensurability Pinning versus Impurity Pinning of One-Dimensional Charge Density Wave. 1978 , 45, 1474-1481	45
2139	Electrical and thermal properties of some amorphous metals. 1978 , 37, 561-567	19
2138	Some problems of the electron theory of ferroelectric semiconductors. 1978 , 18, 1-3	3
2137	Possible Dimensional Effect on the Heat Capacity of Molecular Solids. 1978 , 40, 1574-1576	3
2136	Negative-U States in the Gap in Hydrogenated Amorphous Silicon. 1978 , 41, 889-891	102
2135	Frequency and Temperature Dependence of the Sound Velocity in Amorphous Materials at Low Temperatures. 1978 , 40, 1456-1459	70
2134	Anomalous Absorption in Amorphous Solids at Low Temperature. 1978 , 40, 879-882	38
2133	Low-temperature specific heat and magnetic susceptibility of nonmetallic vanadium bronzes. 1978 , 17, 3781-3789	148
2132	Relationship between the time-dependent specific heat and the ultrasonic properties of glasses at low temperatures. 1978 , 17, 2740-2761	116
2131	Thermoelectric Power and Resistivity in a Metallic Glass. 1978 , 41, 990-993	79
2130	Strain interactions and the low-temperature properties of glasses. 1978 , 18, 5887-5891	76
2129	Single and pair electronic states in amorphous semiconductors. 1978 , 17, 790-806	12

2128	Ultrasonic velocities in amorphous As_2S_3 and As_2Se_3 between 1.5 and 296 K. 1978 , 18, 5842-5850	49
2127	Effect of neutron irradiation on the density of low-energy excitations in vitreous silica. 1978 , 17, 4997-5008	84
2126	Surface-acoustic-wave velocity in ion-implanted quartz at very low temperatures. 1978 , 33, 219-221	4
2125	Entropy of a random-bond Ising chain. 1978 , 18, 1391-1394	27
2124	Temperature dependence of the resistivity in amorphous ferromagnetic alloys: Spin-wave contribution and resistivity minimum. 1978 , 17, 1355-1360	45
2123	Temperature dependence of electron spin-lattice relaxation of methyl radicals in glassy organic matrices: Relation to environmental dynamics and radical decay. 1978 , 68, 5325-5330	12
2122	Low-Temperature Anomalies in the Microwave Dielectric Properties of Na β -Alumina. 1978 , 41, 910-913	40
2121	Interaction of the Conduction Electrons with Tunneling States in Metallic Glasses. 1978 , 41, 1595-1598	60
2120	Fast-Time Heat Capacity in Amorphous SiO_2 Using Heat-Pulse Propagation. 1978 , 40, 1187-1190	31
2119	Relaxation of Tunneling Systems by Conduction Electrons in a Metallic Glass. 1978 , 41, 1487-1491	135
2118	Effect of density fluctuations on the physical properties of a disordered carbon. 1978 , 49, 618-628	29
2117	Phonon propagation in glassy metals. 1978 , 17, 5029-5032	32
2116	HEAT PULSE EXPERIMENTS ON VITREOUS SiO_2 IN THE TEMPERATURE RANGE 2.5 - 300 K. 1978 , 122-127	
2115	ANOMALOUS DIELECTRIC ABSORPTION IN SiO_2 -BASED GLASSES. 1978 , 294-298	
2114	Ultrasonic Properties of Pure and Ag-Doped Amorphous Chalcogenides (As_2S_3 , As_2Se_3). 1978 , 44, 1208-1215	6
2113	Propagation of high-frequency phonons in thin SiO films at 60 mK. 1978 , 39, 469-470	
2112	Thermodynamics of liquids below the Debye temperature. 1979 , 22, 287-288	
2111	Ultra-cold neutrons. 1979 , 42, 439-501	127

2110	Low-temperature thermal conductivity of bcc He3. 1979 , 20, 1050-1060	14
2109	Phonon echoes in a glass at low temperatures. 1979 , 19, 964-975	103
2108	Effect of neutron irradiation on the low-temperature dielectric susceptibility of vitreous silica. 1979 , 19, 4315-4317	7
2107	Frequency and temperature dependence of dielectric and ultrasonic dispersion in amorphous materials at low temperatures. 1979 , 20, 763-767	31
2106	Spin-glass properties of a crystalline transition-metal oxide: $(\text{Ti}_{1-x}\text{V}_x)\text{O}_3$. 1979 , 20, 3913-3925	24
2105	Structural instabilities and magnetic properties of amorphous ferromagnets. 1979 , 50, 7662	2
2104	Transport properties of magnetic amorphous alloys. 1979 , 50, 1886-1891	39
2103	Optical Homogeneous Linewidths of Pr^{3+} in BeF_2 and GeO_2 Glasses. 1979 , 43, 1126-1130	115
2102	Excess Ultrasonic Attenuation in As_2S_3 Glass after Electric Field Removal. 1979 , 42, 1482-1485	9
2101	Strain Defects in Alkali Halides: A Heuristic Model for Glasses. 1979 , 43, 289-293	57
2100	Simulation of Tunneling States in Random-Network Glasses. 1979 , 42, 729-732	38
2099	Localized low-energy excitations in two amorphous polymers. 1979 , 19, 4277-4281	40
2098	Influence of the Superconducting State upon the Low-Temperature Properties of Metallic Glasses. 1979 , 43, 453-456	88
2097	Saturation of the 9.4-GHz Hypersonic Attenuation in Fast-Neutron-Irradiated Crystalline Quartz. 1979 , 42, 250-254	64
2096	Electron-Spin Relaxation by Tunneling States in BaAl_2O_3 : Na. 1979 , 42, 1773-1776	15
2095	New Point of View on Metastability in Spin-Glasses. 1979 , 43, 173-175	35
2094	Anomalies in the Forced Rayleigh Scattering in Glasses. 1979 , 43, 143-146	3
2093	Anomalous Specific Heat of a One-Dimensional Disordered Solid. 1979 , 42, 188-191	19

2092	Temperature dependence of electron spin lattice relaxation of presolvated and solvated electrons in methanol/water matrices. 1979 , 70, 2438-2442	
2091	Effective-field distributions and resistivity minima in amorphous ferromagnets. 1979 , 19, 3571-3579	128
2090	Dynamic properties of a spin-glass model at low temperatures. 1979 , 20, 3837-3849	97
2089	Tunneling models and the experimental thermal expansivities of fused silica and poly(methylmethacrylate) (PMMA) below 4 K. 1979 , 19, 4231-4237	44
2088	Frequency dependence of dielectric loss in condensed matter. 1979 , 20, 2475-2486	189
2087	Temperature dependence of the structure factor in Nb-Ni glasses. 1979 , 20, 4278-4286	29
2086	Low-temperature dielectric susceptibility of Li, Na, K, and Ag B alumina. 1979 , 19, 5310-5317	35
2085	Tunnelling in low-temperature atom-transfer processes. 1979 , 63, 236-239	34
2084	Commutator and anticommutator green functions in the theory of disordered spin systems. 1979 , 96, 27-40	1
2083	Non-photochemical hole burning and its relation to the fluorescence and structure of organic glasses. 1979 , 18-19, 219-223	13
2082	Phase and energetic relaxation in resonant Raman scattering and hot luminescence. 1979 , 18-19, 673-677	13
2081	Thermal properties of smoky quartz at very low temperatures. 1979 , 40, 1073-1078	16
2080	Resistance minima in amorphous PdSi alloy. 1979 , 29, 767-768	18
2079	Atomic tunneling states in low-temperature dielectric and elastic losses of diamagnetic glassy semiconductors. 1979 , 31, 505-508	3
2078	Ultrasonic attenuation and velocity studies of amorphous PdSiCu. 1979 , 32, 625-629	8
2077	Fluorescence linewidths in glasses. 1979 , 32, 1103-1106	153
2076	On the thermal conductivity of glasses. 1979 , 32, 1193-1195	3
2075	Tunneling-states model and the propagation characteristics of surface phonons in amorphous solids at low temperatures. 1979 , 30, 517-520	9

2074	Specific heat anomalies and spin-spin interactions in carbons: A review. 1979 , 35, 231-298	61
2073	Relaxation times of molecular ions OH ⁻ in glasses at very low temperature. 1979 , 35, 411-431	42
2072	Low-temperature electrical resistance of disordered (Fe _{1-x} Ni _x) ₇₅ P ₁₆ B ₆ Al ₃ alloys. 1979 , 35, 89-102	7
2071	Resonant scattering of light by slowly fluctuating localized electrons. 1979 , 95, 65-73	15
2070	Scattering of phonons by density fluctuations and thermal conductivity of amorphous solids. 1979 , 95, 317-324	10
2069	Very-low-frequency inelastic light scattering in non-crystalline films of alkaline-earth halides. 1979 , 95, 533-539	2
2068	On the origin of the universal dielectric response in condensed matter. 1979 , 277, 185-189	265
2067	Non-exponential decay in dielectrics and dynamics of correlated systems. 1979 , 279, 685-689	225
2066	Low temperature thermal properties and intrinsic defects in vitreous silica. 1979 , 36, 113-120	23
2065	Superconductivity in simple cubic Te ₂ Au alloys produced by ion irradiation. 1979 , 36, 47-56	9
2064	Specific heat of glycerol: Crystalline and glassy states. 1979 , 34, 149-152	17
2063	Effect of heat treatment on the low-temperature thermal conductivities of vitreous silica and neutron-irradiated vitreous silica. 1979 , 33, 367-373	6
2062	Low temperature thermal conductivity and specific heat of elastomers. 1979 , 31, 395-400	13
2061	Amorphous arsenic. 1979 , 28, 49-141	178
2060	Disclination lines in glasses. 1979 , 40, 859-868	102
2059	Correlation between the low temperature phonon mean free path and glass transition temperature in amorphous solids. 1979 , 30, 371-373	36
2058	An Introduction to the Electrochemistry of Charge Transfer Complexes II. 1979 , 361-421	2
2057	Ultrasonic attenuation by resonant two-level systems in smoky quartz. 1980 , 79, 241-244	10

2056	Energy distribution of defects in thin films deposited at low temperature. 1980 , 66, 211-216	2
2055	Saturation effects in the phonon reflection at a quartz-liquid helium interface. 1980 , 39, 363-372	11
2054	Vibrational specific heat enhancement from force-constant variations in amorphous solids. 1980 , 39, 13-20	7
2053	The Origin of Additional Low Energy States in Amorphous Solids. 1980 , 97, K37-K40	3
2052	Phonon selective low temperature photochemistry in alcohol glasses. 1980 , 74, 503-506	20
2051	Evidence for the presence of two level systems related to point defects in electron irradiated crystalline quartz. 1980 , 80, 331-336	22
2050	A simple model for the enhancement of the low temperature heat capacity of vitreous silica above 1 K. 1980 , 77, 85-87	4
2049	A microscopic theory for the glass state. 1980 , 75, 420-422	4
2048	Pulsed NQR in amorphous, orthorhombic and rhombohedral arsenic. 1980 , 58, 263-271	6
2047	Quench echoes in molecular dynamics--A new phonon spectroscopy. 1980 , 36, 875-879	19
2046	Specific heats of pure and doped polyacetylene. 1980 , 36, 219-224	63
2045	On the non-commutative two level model for metallic glasses. 1980 , 35, 217-220	27
2044	Glassy properties of crystalline Li ₃ N at low temperatures. 1980 , 35, 587-590	15
2043	Ultrasonic properties of superconducting amorphous PdZr. 1980 , 33, 111-114	33
2042	Nuclear quadrupolar spin-lattice relaxation in the amorphous state. 1980 , 33, 693-696	6
2041	Thermal expansion of doped alkali halides and glasses at low temperatures. 1980 , 35, 37-39	6
2040	Electrical resistivity in disordered, polycrystalline FeNiTe alloys. 1980 , 33, 771-773	
2039	Phason interpretation of the specific heat anomaly in TiBe ₂ Cu _x . 1980 , 35, 951-955	6

2038	Increased anomalous low-temperature specific heat of vitreous silica due to helium or neon solutes. 1980 , 35, 867-870	10
2037	Ferromagnetic modes in spin glasses and dilute ferromagnets. 1980 , 39, 37-46	16
2036	Electrical transport studies in As ₂ Se glasses. 1980 , 15, 917-924	13
2035	OXYGEN AS A TWO-LEVEL TUNNELING SYSTEM IN SiO ₂ . 1980 , 59-62	1
2034	Two-level-systems in spin glasses : a dynamical study of the magnetizations below TG, application to CuMn systems. 1980 , 41, 1335-1352	126
2033	Electrical and Optical Properties of Amorphous Thin Films. 1980 , 17-57	4
2032	Amorphous-like acoustical properties of Na doped Al ₂ O ₃ . 1980 , 41, 1193-1211	117
2031	Non-radiative recombination at valence-alternation pairs. 1980 , 13, 3319-3327	24
2030	Conjectures on mixed conduction in an inhomogeneous sample as a possible explanation of the low-temperature resistance minimum of some amorphous metals. 1980 , 10, 299-308	8
2029	The thermal conductivity and specific heat of extruded polyethylene below 1K. 1980 , 13, L185-L188	9
2028	Hydrogen-Associated Disorder Modes in Amorphous Si:H Films. 1980 , 45, 358-362	58
2027	Origin of Low-Temperature Tunneling States in Glasses. 1980 , 45, 1271-1274	111
2026	Homogeneous fluorescence linewidths for amorphous hosts. 1980 , 22, 4223-4225	93
2025	Configurational model for a one-dimensional ionic conductor. 1980 , 22, 2988-3000	59
2024	Echoes in glasses. 1980 , 22, 6127-6134	9
2023	Dynamics of a vector spin-glass model. 1980 , 22, 4484-4502	50
2022	Ultrasonic attenuation and velocity studies of amorphous PdSiCu at low temperatures. 1980 , 21, 4470-4477	20
2021	Evidence for tunneling states in the oxygen conductor ZrO ₂ : Y ₂ O ₃ . 1980 , 22, 3122-3123	16

2020	Light induced proton transfer in dihydroxyanthraquinone as studied by photochemical hole burning. 1980 , 72, 4996-5001	63
2019	Collective theories of supercooled liquids: Supporting polariscopic and kinetic evidence in methylcyclohexane glass above T_g , using a benzene probe. 1980 , 73, 5330-5336	7
2018	Brillouin scattering in vitreous silica below 1 K. 1980 , 21, 5850-5853	26
2017	Effects of disorder on electron-spin relaxation in γ -alumina: A prototype glass. 1980 , 22, 2195-2205	61
2016	Experimental study of localization in thin wires. 1980 , 22, 5635-5654	121
2015	Scaling theory of glass. 1980 , 22, 3459-3464	12
2014	Low-temperature ultrasonic velocity measurements in Na γ -alumina. 1980 , 21, 3721-3724	7
2013	Acoustic Anomalies in Amorphous Thin Films of Si and SiO ₂ . 1980 , 44, 84-87	59
2012	Observation of Time-Dependent Specific Heat in Amorphous SiO ₂ . 1980 , 45, 457-460	75
2011	Phonon scattering by electrons in noncrystalline alloys. 1980 , 21, 479-485	18
2010	Tunneling States in Metallic Glasses: A Structural Model. 1980 , 44, 1136-1139	27
2009	Two-level model of dielectric loss in glasses. 1980 , 72, 2394-2396	4
2008	Solid-electrolyte tunnelling. 1980 , 101, 564-582	16
2007	Dielectric behaviour of materials undergoing dipole alignment transitions. 1980 , 41, 625-642	109
2006	Structural defects in amorphous solids A computer simulation study. 1980 , 41, 883-901	364
2005	Chapter 2 Dilute transition metal alloys; Spin glasses. 1980 , 1, 71-182	37
2004	Hole burning, soft-phonon scattering and anomalously fast dephasing of impurity electronic transitions in glasses. 1980 , 73, 4129-4131	29
2003	Analytic theory of the ground state properties of a spin glass. II. XY spin glass. 1980 , 10, 2779-2792	12

2002	Nuclear quadrupole resonance studies of amorphous, orthorhombic, and rhombohedral arsenic. 1980 , 22, 3903-3916	23
2001	Quantum approach to 1fnoise. 1980 , 22, 745-757	149
2000	Composition dependence of Nd ³⁺ homogeneous linewidths in glasses. 1980 , 51, 6332-6336	81
1999	Glassy metals. 1980 , 43, 353-432	912
1998	Thermal expansion of solids at low temperatures. 1980 , 29, 609-730	467
1997	Spin glasses with short range interaction. 1980 , 29, 869-946	49
1996	Effect of the cooling rates on the low temperature specific heat of polyethylene terephthalate. 1980 , 37, 433-435	2
1995	Anomalous heat capacity of vitreous silica: Effect of interstitial 4He. 1980 , 41, 251-256	10
1994	Microwave electrical conductivity and structure of chalcogenide glasses. 1980 , 35-36, 993-998	4
1993	Reversible photostructural change: Mechanisms, properties and applications. 1980 , 35-36, 1023-1034	208
1992	Anomalous fluorescence linewidths in glasses. 1980 , 35-36, 1145-1147	1
1991	High-frequency phonon scattering in amorphous films. 1980 , 35-36, 1149-1154	7
1990	Universal relaxation time in amorphous dielectrics at low temperatures. 1980 , 37, 125-127	11
1989	Bond charge model of amorphous tetrahedrally coordinated solids. 1980 , 35-36, 537-542	17
1988	Amorphous semiconductors at very low temperatures. 1980 , 35-36, 1125-1134	9
1987	Dynamics of spin glasses. 1980 , 15-18, 105-107	6
1986	Structural instabilities and magnetic relaxation in amorphous ferromagnets. 1980 , 15-18, 1361-1363	22
1985	Electron-phonon coupling in amorphous organic host materials as investigated by photochemical hole burning. 1980 , 73, 705-711	85

1984	Kondo-like State in a Simple Model for Metallic Glasses. 1980 , 45, 211-214	126
1983	Magnetic after-effects and structural instabilities in amorphous soft magnetic materials. 1980 , 19, 281-283	37
1982	Magnetic after-effects in amorphous ferromagnetic ribbons. 1980 , 19, 284-286	10
1981	Microscopic Model of Anomalous Low-Frequency Excitations in Inorganic Glasses: Molecular Dynamics Study of BeF ₂ . 1981 , 46, 778-781	28
1980	Defects and fluorine diffusion in sodium fluoroberyllate glass: A molecular dynamics study. 1981 , 75, 3516-3521	35
1979	An asymmetric double-well potential model for structural relaxation processes in amorphous materials. 1981 , 43, 735-746	268
1978	The thermal conductivity and specific heat of epoxy-resin from 0.1-80K. 1981 , 14, 1737-1749	58
1977	Ultrasonic and brillouin scattering study of the elastic properties of vitreous silica between 10 and 300 K. 1981 , 45, 397-410	85
1976	Ultrasonic studies of the amorphous binary alloy Pd _{0.82} Si _{0.18} at low temperatures. 1981 , 45, 93-98	6
1975	Effect of crosslinking on the low-temperature behavior of polybutadiene. 1981 , 44, 171-180	17
1974	A NEW FREE-VOLUME THEORY OF THE G _v LASS TRANSITION. 1981 , 371, 199-209	3
1973	STRUCTURAL RELAXATION IN METALLIC GLASSES. 1981 , 371, 238-251	11
1972	VIBRATIONAL THEORY OF LIQUID AND GLASS SIDES OF THE GLASS TRANSITION AND THE ORIGIN OF THE UNIVERSAL TWO-LEVEL SYSTEM WITH ASSOCIATED LOW-TEMPERATURE THERMAL AND ACOUSTIC ANOMALIES. 1981 , 371, 328-330	
1971	LINE DEFECTS AND THE GLASS TRANSITION. 1981 , 371, 342-343	
1970	Laser excited fluorescence spectroscopy in glass. 1981 , 189-239	32
1969	Structural study by energy dispersive x-Ray diffraction. 1981 , 25-44	15
1968	OH in vitreous silica. 1981 , 43, 747-764	35
1967	Thermal expansion of amorphous As ₂ S ₃ at low temperatures. 1981 , 43, 1039-1048	13

- 1966 A tunnelling-state model for the specific heat capacity and thermal conductivity of amorphous materials at low temperatures. **1981**, 22, 117-127 7
- 1965 Transport properties of amorphous Gd-Co films. **1981**, 17, 2831-2833 11
- 1964 Specific heat of Apiezon N grease at very low temperatures. **1981**, 21, 591-592 18
- 1963 High-frequency dielectric properties of glassy As₂Se₃. **1981**, 85, 255-258 2
- 1962 Conduction mechanism in biopolymers. **1981**, 81, 491-492 2
- 1961 Internal friction measurements in Boron-doped single-crystal silicon. **1981**, 85, 41-42 4
- 1960 Temperature dependence of the homogeneous linewidth of the 5D₀-7F₀ transition of Eu³⁺ in amorphous hosts at high temperatures. **1981**, 84, 213-216 53
- 1959 Fluorescence changes of dyes in amorphous solids, induced by selective laser excitation and by heat pulses. **1981**, 24-25, 683-686 13
- 1958 Co-operative effects in non-linear relaxation. **1981**, 16, 638-648 16
- 1957 On the Low-Temperature Specific Heat of Glasses. **1981**, 105, K67-K70 2
- 1956 NMR lineshapes of the solid hydrogen quadrupolar glass. **1981**, 107, 187-188 12
- 1955 Kapitza conductance of localized surface excitations. **1981**, 107, 549-550 14
- 1954 The effects of cross-link length on the thermal properties of epoxy-resins from 1.5 to 80 K. **1981**, 108, 1015-1016
- 1953 A microscopic model for the two-level systems in glasses. **1981**, 108, 1261-1262 1
- 1952 Specific heat of amorphous bismuth and gallium below 1 K. **1981**, 108, 1263-1264 3
- 1951 Complex susceptibility of an insulating spin glass (Eu_{0.43}Sr_{0.57})S at UHF frequencies. **1981**, 108, 1285-1286
- 1950 Low energy excitations in amorphous metals. **1981**, 79, 161-212 81
- 1949 Influence of superconductivity on the sound propagation in disordered metals. **1981**, 85, 84-86 19

1948	On the excess specific heat of vitreous silica at low temperatures. 1981 , 86, 32-34	20
1947	Thermal properties of amorphous materials at low temperatures. 1981 , 42, 185-191	2
1946	Anomalous low temperature dielectric behaviour of Alumina. 1981 , 40, 951-953	5
1945	Acoustic properties of glasses at low temperatures and low frequencies. 1981 , 40, 781-783	4
1944	Spectral and thermodynamic properties of electrons in mobility gap states of covalent glasses. 1981 , 39, 329-332	2
1943	Connection between the low temperature anomaly in glasses and the glass transition temperature. 1981 , 37, 105-108	36
1942	Transmission of high-frequency phonons through thin glass films. 1981 , 37, 171-174	7
1941	Tunneling states in ferromagnetic glasses. 1981 , 38, 981-984	3
1940	Local ground states of a quenched lattice gas. 1981 , 39, 75-77	12
1939	Correlation between low-temperature tunneling density of states in glasses and the glass transition temperature. 1981 , 39, 143-144	46
1938	Self-trapping of electron pairs in materials with tunneling states. Electrons in perfect covalent glasses. 1981 , 37, 975-978	13
1937	Diffusion of hydrogen in metals. 1981 , 8, 631-637	17
1936	Low temperature thermal properties of crystalline quartz after electron irradiation. 1981 , 42, 291-296	7
1935	Dangling bonds and crystalline inclusions in amorphous materials. 1981 , 30, 184-185	2
1934	Low-Temperature Specific-Heat Anomaly of a One-Dimensional Ionic Conductor. 1981 , 46, 1213-1216	20
1933	Frequency and temperature dependence of ultrasonic attenuation in the metallic glass Pd _{0.775} Si _{0.165} Cu _{0.06} at low temperatures. 1981 , 23, 5597-5599	5
1932	Low-temperature thermal conductivity of amorphous silica. 1981 , 24, 2139-2146	6
1931	Dynamics of the dielectric absorption in the disordered solid RbCl:OH at low temperatures. 1981 , 24, 7419-7422	8

1930	Acoustic-Power Dependence of the Sound Velocity in Amorphous PdSi at Very Low Temperatures: Transverse Relaxation Time. 1981 , 47, 106-109	11
1929	Diffuse X-Ray Scattering and Phonon Echoes from Neutron-Irradiated Crystalline Quartz. 1981 , 46, 261-264	36
1928	Configurational excitations and low-temperature specific heat of the Frenkel-Kontorova model. 1981 , 24, 2187-2195	27
1927	Structural model of two-level glass states. 1981 , 24, 1744-1750	69
1926	Instabilities in thermal baths. 1981 , 24, 2685-2693	21
1925	Heat conductivity of amorphous PdCuSi alloys containing Fe and Mn impurities. 1981 , 24, 3204-3210	10
1924	Experimental Evidence on Time-Dependent Specific Heat in Vitreous Silica. 1981 , 46, 265-268	88
1923	Thermal Relaxation of Low-Energy Excitations in Vitreous Silica. 1981 , 46, 661-664	108
1922	Low-temperature specific heat and thermal conductivity of neutron-irradiated crystalline quartz. 1981 , 23, 474-482	57
1921	Phonon coupling in tunneling systems at zero temperature: An instanton approach. 1981 , 24, 698-713	149
1920	Neutron-Spectroscopic Evidence for Hydrogen Tunneling States in Niobium. 1981 , 46, 947-950	105
1919	Ultrasonic attenuation in metallic glasses at low temperatures. 1981 , 24, 7389-7392	6
1918	The low temperature specific heat of amorphous alloys (invited). 1981 , 52, 1788-1793	32
1917	Glassy behavior of crystalline solids at low temperatures. 1981 , 23, 3886-3893	106
1916	Effect of neutron irradiation on the low-temperature specific heat and thermal conductivity of magnesium oxide. 1981 , 23, 1988-1991	7
1915	Short-range order in theoretical models of binary metallic glass alloys. 1981 , 23, 1506-1516	71
1914	Structure of metastable states in a random Ising chain. 1981 , 24, 6579-6587	30
1913	Laser-induced changes in the sideband shape of selectively excited dyes in noncrystalline organic solids at 1.3 K. 1981 , 24, 2846-2849	47

1912	Low-temperature specific heat of neutron-irradiated crystalline quartz. 1981 , 14, L365-L370	8
1911	Low-temperature specific heat measurements of simple divalent amorphous Mg _{0.7} Zn _{0.3} alloy. 1981 , 11, 1385-1391	40
1910	The influence of the atomic order-disorder transformation on the transport properties of PtCr. 1981 , 11, 165-176	2
1909	Structural relaxation in ferromagnetic glasses. 1981 , 14, 3527-3539	11
1908	Detection of tunnelling systems in Li ₃ N by excess specific heat. 1981 , 14, L21-L25	8
1907	Low-energy excitations in metallic glasses. 1981 , 167-190	28
1906	Freeze-In Transition of Anharmonic Oscillator System with Quenched Random Interactions. 1982 , 68, 374-387	2
1905	Measurements of the time-dependent specific heat of amorphous materials. 1982 , 25, 1161-1173	79
1904	Very-low-frequency light scattering in silica at low temperatures. 1982 , 26, 7123-7126	12
1903	Static Charge Fluctuations in Amorphous Silicon. 1982 , 49, 1664-1667	121
1902	Low-Temperature Thermal Expansion of Amorphous Solids. 1982 , 49, 1176-1178	13
1901	Photochemical holes: A spectral probe of the amorphous state in the optical domain. 1982 , 77, 2309-2316	99
1900	Renormalization-group theory for the commutative model of tunneling states in metallic glasses. 1982 , 26, 1559-1568	30
1899	Transient features of optical bleaching as studied by photochemical hole burning and fluorescence line narrowing. 1982 , 76, 61-68	52
1898	Anomalous Optical Homogeneous Linewidths in Glasses. 1982 , 48, 688-691	112
1897	Specific Heat of Amorphous Germanium at Very Low Temperatures. 1982 , 48, 1121-1124	37
1896	Low-Frequency and Low-Temperature Raman Scattering in Silica Fibers. 1982 , 48, 805-808	18
1895	Tunneling states in metallic glasses: Model structures for Ni ₈₀ P ₂₀ and Cu ₃₃ Zr ₆₇ . 1982 , 25, 4997-5006	39

1894	Theory of the peroxy-radical defect in α -SiO ₂ . 1982 , 26, 6649-6660	211
1893	Thermal relaxation in α -As ₂ S ₃ and α -As. 1982 , 25, 4310-4312	15
1892	Specific heat of glasses at low temperatures. 1982 , 25, 1310-1321	46
1891	Decay rates of tunneling centers coupled to phonons: An instanton approach. 1982 , 25, 5050-5063	85
1890	Dynamics of Freezing Electric Dipoles. 1982 , 48, 1494-1497	110
1889	Hydrogen-Induced Glasslike Specific-Heat Anomaly in Superconducting Crystalline NbTi _{0.05} . 1982 , 49, 1423-1426	32
1888	Recent Applications of Heat Capacity Measurement in Physicochemical Investigations. 1982 , 2, 197-235	5
1887	Thermally created tunnelling states in glasses. 1982 , 15, L1221-L1225	24
1886	Low-temperature thermal properties of neutron-irradiated crystalline quartz. 1982 , 15, 2375-2385	11
1885	On the influence of competing interactions on physical properties of spin systems: numerical exact results for finite Ising and Heisenberg systems. 1982 , 15, 2193-2205	16
1884	On the commutative model of two-level systems in metallic glasses. 1982 , 15, 4131-4140	2
1883	Laser-induced optical anisotropy in self-supporting amorphous GeSe ₂ films. 1982 , 15, 6293-6303	22
1882	Diffuse X-ray scattering from neutron irradiated crystalline quartz. 1982 , 66, 61-71	22
1881	Bipolaron and single-polaron contributions to a.c. conduction in r.f. sputtered SiO ₂ films. 1982 , 46, 647-657	10
1880	On the entropy of vibration of dislocations. 1982 , 45, 271-285	12
1879	Physical Properties of a Quasi One-Dimensional Conductor Pt ₆ (NH ₃) ₁₀ Cl ₁₀ (HSO ₄) ₄ : Partially Oxidized Salt of the Magnus Green Salt. 1982 , 51, 3592-3600	2
1878	Energy loss of warm electrons at the interface of (100) silicon MOSFETS. 1982 , 113, 260-266	19
1877	Structure, defects and properties of metallic glasses. 1982 , 53, 83-104	4

- 1876 On the nuclear spin lattice relaxation in dielectric glasses. **1982**, 33, 123-126
- 1875 Temperature dependence of the electrical resistivity of amorphous iron-base alloys. **1982**, 21, 871-874
- 1874 Thermal conductivity of amorphous iron alloys at low temperatures. **1982**, 53, 401-409 3
- 1873 Calculation of phonon life time in amorphous solids. **1982**, 18, 59-71
- 1872 Microwave dielectric dispersion in KCl:OH at low temperatures. **1982**, 92, 466-468 4
- 1871 Ultrasonic determination of a gap in the low energy density of states of Smoky quartz. **1982**, 88, 363-366 4
- 1870 Optical dephasing in free-base porphin in organic glasses: a study by photochemical hole-burning. **1982**, 92, 7-12 90
- 1869 Temperature dependence of dephasing of impurities in amorphous hosts. **1982**, 86, 359-364 62
- 1868 Quantum theory of nonresonant electromagnetic and ultrasonic absorption in glasses. **1982**, 43, 271-275 7
- 1867 Electrical resistivity of amorphous $Zr_{70}Cu_{30}$ and the Kondo like model. **1982**, 44, 1045-1046 13
- 1866 Ultrasonic attenuation in the amorphous dielectrics at low temperatures. **1982**, 44, 187-192 7
- 1865 Tunneling states in amorphous ferromagnets. **1982**, 43, 355-359 3
- 1864 Impurity dephasing by optical modes in polymers and glasses. **1982**, 42, 609-613 24
- 1863 Theory of resonant electron scattering in amorphous metals. **1982**, 41, 649-652 17
- 1862 The role of local tunneling states in superconductivity at disordered interfaces. **1982**, 42, 671-673 4
- 1861 Atomic tunneling states and low-temperature anomalies of thermal properties in amorphous materials. **1982**, 44, 333-337 46
- 1860 Electrical resistivity and glassy behaviour in crystalline metallic alloys. **1982**, 42, 419-421 7
- 1859 The heat capacities of arsenic, phosphorous and $GexSe_{1-x}$ glasses below 1 K. **1982**, 41, 255-258 10

1858	Effect of low-frequency modes on temperature broadening of optical lines of impurity centres in glasses. 1982 , 42, 185-188	10
1857	The time dependent specific heat of dielectric glasses. 1982 , 109-110, 1873-1879	1
1856	Influence of superconductivity on the sound propagation in disordered metals. 1982 , 109-110, 1946-1954	9
1855	Optical absorption in the low frequency range of amorphous polymeric systems: Amorphous selenium and polymethylmethacrylate. 1982 , 109-110, 2119-2121	
1854	Low temperature chemical reactions. I. Model. 1982 , 67, 301-318	18
1853	Theory of tunnel transitions of atoms in solids. 1982 , 69, 121-134	94
1852	Electric dipole echoes in smoky quartz at very low temperatures. 1982 , 49, 195-212	7
1851	Novel quantum-electronics phenomena and devices. 1982 , 29, 152-156	12
1850	Low-temperature spectroscopy of organic molecules in solids by photochemical hole burning. 1982 , 29, 235-250	174
1849	Electrical Properties of Lanthanum-Aluminium Glass. 1982 , 73, K287-K291	2
1848	Relaxation and Optical Processes in Impurity Centres with Two-Well Adiabatic Potential. 1982 , 110, 57-68	3
1847	A new theoretical approach to the low-temperature specific heat of disordered solids. 1982 , 114, 503-513	4
1846	A note on slow- and fast-relaxing low-energy excitations in vitreous silica. 1983 , 38, 372-374	1
1845	A pseudoequilibrium approach to the formation of vacancy-bridge defects in vitreous silica. 1983 , 38, 390-392	1
1844	Specific heat at low temperature due to negative U centres in disordered solids. 1983 , 21, 183-186	
1843	Two-centre defects and low-energy excitations in vitreous silica. 1983 , 2, 965-992	9
1842	Low-temperature spin-lattice relaxation of ^8Li in the glass $\text{Li}_2\text{O} \cdot 2\text{SiO}_2$. 1983 , 16, 597-600	12
1841	On a classical spin glass model. 1983 , 50, 311-336	57

1840	Effect of structural relaxation on low energy excitations in amorphous Zr x Cu _{1-x} . 1983 , 51, 287-295	24
1839	Excess specific heat of vitreous silica. 1983 , 93, 131-134	
1838	Spin glasses (I). 1983 , 116, 357-414	221
1837	Phonon lifetime and thermal conductivity in amorphous solids. 1983 , 116, 533-538	2
1836	The Role of Two-Level Systems in Amorphous Metallic Alloys. I. Induced Anisotropy in Amorphous Ferromagnets. 1983 , 118, 661-673	56
1835	Low temperature thermal conductivity of amorphous (Fe, Ni, Co) (P, B, Si) alloys and their change by heat treatment. 1983 , 119, 579-587	5
1834	Study of Optical Relaxation and Inhomogeneous Distribution Function of Impurity Organic Molecules by Site-Selective Laser Spectroscopy. 1983 , 120, 435-444	11
1833	Low-temperature behavior of alkali halides doped with hydroxyl. 1983 , 52, 115-135	42
1832	Thermal broadening of optical homogeneous linewidths in organic glasses and polymers studied via photochemical hole-burning. 1983 , 97, 295-302	96
1831	Study of optical relaxation of polyatomic molecules in the condensed phase by site-selective laser spectroscopy. 1983 , 97, 331-336	7
1830	Temperature dependence of non-photochemical holes in a tetracene-doped anthracene glass. 1983 , 95, 310-314	19
1829	Intense non-photochemical hole-burning spectra with discrete phonon structure in an aromatic organic glass (diphenylanthracene). 1983 , 101, 274-278	11
1828	Theoretical description of photochemical hole burning in soft glasses. 1983 , 99, 331-334	119
1827	Raman scattering from hydrogenated amorphous silicon. 1983 , 117-118, 871-873	3
1826	Energy gap and thermal properties of selfsimilar structures: An application to epoxy resin. 1983 , 98, 357-360	32
1825	Electronic structure of metallic glasses. 1983 , 28, 97-228	214
1824	Dynamical processes at low temperatures in Langmuir-Blodgett films observed with selectivity laser-excited dye molecules. 1983 , 99, 257-261	19
1823	Effect of the fluctuations on the TLS parameters. 1983 , 46, 755-758	3

1822	Low temperature elastic properties of a superconducting disordered metal. 1983 , 45, 703-706	5
1821	A simple model for a glass transition. 1983 , 45, 711-715	3
1820	On the spin wave spectrum in disordered ferromagnets. 1983 , 46, 117-119	6
1819	Low temperature thermal expansion of soda-borate glasses. 1983 , 48, 143-145	3
1818	Effects of oxygen on the ultrasonic properties of amorphous germanium. 1983 , 47, 489-492	9
1817	Fracton interpretation of vibrational properties of cross-linked polymers, glasses, and irradiated quartz. 1983 , 28, 4615-4619	252
1816	Magnetic relaxation in ferromagnets with competing interactions. 1983 , 31-34, 1413-1414	1
1815	Evidence for scattering of phonons from magnetic excitations in amorphous spin glasses. 1983 , 31-34, 1404-1406	1
1814	Structural modification of some glassy chalcogenides. 1983 , 47, 73-81	8
1813	Shear transformations and the relaxation of the magnetic permeability aftereffect in amorphous ferromagnets. 1983 , 39, 279-284	4
1812	Measurement of optical homogeneous linewidths in a glass with picosecond accumulated photon echoes. 1983 , 8, 88-90	56
1811	Dynamics of structural transitions in liquids. 1983 , 28, 2408-2416	507
1810	Atomic critical potentials and structure of non-single-well potentials in glasses. 1983 , 55, 307-323	20
1809	Heat capacity of glassy ionic conductors of the system $(AgI)_x(Ag_2O)_{1-x}B_2O_3$ between 15 and 300 K. I: $n = 2$, $x = 0$ and $x = 0.5$. 1983 , 58, 179-185	10
1808	Specific heat of amorphous Ge and Si at very low temperatures. 1983 , 59-60, 1087-1094	3
1807	Summary and closing remarks. 1983 , 59-60, 1289-1300	5
1806	Continuous deformations in random networks. 1983 , 57, 355-370	1184
1805	Nuclear spin relaxation phenomena in amorphous semiconductors. 1983 , 59-60, 109-116	14

1804	²³ Na quadrupolar and dielectric relaxation study on dynamics and metastability in (K-Na)TaO ₃ . 1983 , 16, 6321-6328	16
1803	Enhancement of superconducting T _c by two-level systems in metallic glasses. 1983 , 13, 2323-2333	5
1802	Two-level systems in zirconium-based amorphous alloys: evidence of a coupling with Zr nuclei. 1983 , 13, L101-L106	16
1801	The heat capacity of Zerodur from 1.8K to 20K. 1983 , 16, L13-L15	8
1800	A possible model for the pressure-induced off-centre to on-centre transition. 1983 , 16, L777-L782	3
1799	Dynamics of off-diagonal phonon coupling and the Lee model. 1983 , 16, 5563-5580	
1798	Rayleigh waves in amorphous germanium at low temperature: evidence for the existence of tunnelling defects. 1983 , 16, L65-L69	18
1797	Equilibrium properties of a two-dimensional random Ising model with a continuous distribution of interactions. 1983 , 16, 7033-7036	21
1796	Nearly Traceless 1f Noise in Bismuth. 1983 , 51, 1476-1479	48
1795	Jahn-Teller AnB ₄ resonance polaron model for amorphous metals. 1983 , 28, 6634-6639	2
1794	Electronic transport in amorphous Ni _{1-x} P _x alloys. 1983 , 27, 7589-7599	57
1793	Origin of negative temperature coefficient of resistivity in polycrystalline Ti-N films. 1983 , 54, 836-840	11
1792	Spin-Freezing Process in Spin-Glasses. 1983 , 51, 1791-1794	10
1791	Thermal Expansion of Amorphous Pd _{0.775} Si _{0.165} Cu _{0.06} . 1983 , 50, 433-435	11
1790	Influence of structural relaxation on the low-temperature properties of glassy metals. 1983 , 28, 6127-6129	17
1789	Tunneling Systems in Amorphous Germanium. 1983 , 51, 1566-1569	19
1788	Inelastic Neutron Scattering Study of the Structural Glass Transition in a K (Br,CN) Mixed Crystal. 1983 , 51, 1054-1057	30
1787	Frustration and Curvature: Glasses and the Cholesteric Blue Phase. 1983 , 51, 2198-2201	124

1786	Theory of magnetic after-effects in ferromagnetic amorphous alloys. 1983 , 48, 127-150	184
1785	Low-Energy Excitations in $(\text{KBr})_{1-x}(\text{KCN})_x$ in the Orientational Glass State. 1983 , 51, 1050-1053	74
1784	Effect of hydrogen and deuterium on electronic-transport properties of the metallic glass $\text{Pd}_{0.76}\text{Cu}_{0.06}\text{Si}_{0.18}$. 1983 , 27, 4754-4759	3
1783	Theory of the interaction between electrons and the two-level system in amorphous metals. I. Noncommutative model Hamiltonian and scaling of first order. 1983 , 28, 1564-1581	229
1782	Microscopic view of disorder in the ordered phase of superionic RbAg_4I_5 . 1983 , 28, 82-87	6
1781	Hall effect, anisotropy, and temperature-dependence measurements of 1f noise in silicon on sapphire. 1983 , 28, 1935-1943	46
1780	Dynamic theory of ferromagnetic to spin-glass transition. 1983 , 27, 4351-4358	27
1779	Acoustic saturation in a glass at low temperatures. 1983 , 27, 3697-3708	19
1778	Evidence for the Existence of Magnetic Two-Level Systems in Amorphous Spin-Glasses. 1983 , 50, 529-533	24
1777	Electron-spin-lattice relaxation in amorphous silicon and germanium. 1983 , 28, 6256-6261	77
1776	Study of polyacetylene and composites of polyacetylene/polyethylene by electron nuclear double resonance, electron nuclear triple resonance, and electron spin echo spectroscopies. 1983 , 54, 5583-5591	24
1775	Linear dispersion of transverse high-frequency phonons in vitreous silica. 1983 , 27, 5196-5198	41
1774	Li tunneling effects on spin-lattice relaxation rates of a color center in $\text{CaO}:\text{Li}$. 1983 , 27, 5386-5393	11
1773	Nonphotochemical hole burning in a hydrogen bonding glass: Dependence on deuteration. 1983 , 78, 7013-7015	28
1772	Statistical Topography of Random Energy Surfaces in a Spin Glass Cluster. 1983 , 70, 1485-1492	1
1771	Microwave absorption in amorphous chalcogenide semiconductors. 1983 , 48, 77-85	20
1770	Resonant phonon scattering in metallic glasses. 1983 , 48, 297-305	7
1769	Very low temperature properties of gamma irradiated quartz. 1983 , 51, 193-212	4

1768	Dielectric Constant of Both Amorphous and Crystalline PbTiO ₃ at Low Temperatures. 1983 , 52, 1127-1130	9
1767	Atomic short-range ordering in amorphous metal alloys. 1983 , 100-113	23
1766	A study of the insulating spin-glass Eu _{0.44} Sr _{0.56} S by low temperature thermal conductivity measurements. 1983 , 44, 39-45	15
1765	Elastic scattering of electrons by two-level systems in metallic glasses. 1984 , 17, L59-L62	3
1764	Non-magnetic resistance anomalies in crystalline PtCr alloys. 1984 , 14, 2047-2060	1
1763	Low Temperature Dielectric Properties of Phosphate Glasses Containing Nd ₂ O ₃ . 1984 , 23, L106-L108	1
1762	Quasi-elastic electron scattering by two-level systems in metallic glasses. 1984 , 17, L505-L509	1
1761	Spin wave and metastability in spin glasses. 1984 , 17, 2545-2554	
1760	Positron annihilation lifetimes in irradiated crystalline quartz versus the 'glassy' thermal conductivity. 1984 , 17, 763-768	4
1759	Computer studies of two-level systems of the three-dimensional planar spin glass. 1984 , 17, 2785-2799	3
1758	Resistivity and specific heat of metallic glasses due to the interaction of conduction electrons with two-level systems. 1984 , 17, 3569-3584	
1757	Remarks on correlations of negative-U centre effects and low-temperature anomalies (structural changes) in glassy semiconductors. 1984 , 17, L949-L956	5
1756	The excitation spectrum of epoxy resins; neutron diffraction, specific heat and thermal conductivity at low temperatures. 1984 , 17, 1165-1178	23
1755	Low-temperature thermal expansion of disordered solids. 1984 , 29, 966-975	39
1754	Kinetics of structural relaxation in several metallic glasses observed by changes in electrical resistivity. 1984 , 30, 5516-5524	61
1753	Theory of homogeneous linewidths of impurities in polymers and glasses. 1984 , 29, 4546-4561	56
1752	Thermal properties of aBi:H at low temperatures. 1984 , 29, 3744-3746	33
1751	Inelastic Scattering of Conduction Electrons: Evidence for a New Mechanism?. 1984 , 52, 569-571	37

1750	Low-Frequency 1f Fluctuations of Resistivity in Disordered Metals. 1984 , 52, 950-953	40
1749	H and D Tunneling in Niobium. 1984 , 52, 1308-1311	86
1748	Tunneling Levels and Specific Heat of One-Dimensional Chaotic Configurations. 1984 , 53, 2258-2261	43
1747	Electron spin relaxation in myoglobin below 1 K: Positive identification of a phonon bottleneck. 1984 , 81, 63-65	9
1746	Low-energy excitations in yttria-stabilized zirconia. 1984 , 29, 5881-5890	45
1745	Theory of electromagnetic and ultrasonic nonlinear absorption in dielectric glasses. 1984 , 29, 3601-3606	10
1744	Low-temperature properties of the orientational glass $\text{KBr}_{1-x}(\text{CN})_x$. 1984 , 29, 2160-2167	72
1743	Inelastic neutron scattering study of the rotational excitations in $(\text{KBr})_{1-x}(\text{KCN})_x$ in the paraelastic and structural glass state. 1984 , 29, 6052-6062	35
1742	Spectral diffusion of a photochemical proton transfer system in an amorphous organic host: Quinizarin in alcohol glass. 1984 , 81, 3915-3921	133
1741	Experimental evidence for magnetic two level systems in spin glasses (invited). 1984 , 55, 1709-1713	15
1740	Density of states for interacting tunneling units in the absence of long-range order. 1984 , 29, 5825-5835	46
1739	Two-Level Tunneling Systems in Amorphous and Crystallized Metal Alloys. 1984 , 53, 356-359	14
1738	Nonideal Frenkel-Kontorova model of two-level systems in glasses. 1984 , 30, 1811-1816	8
1737	Low-frequency relaxation in condensed matter and the evolution of entropy. 1984 , 17, 6611-6622	51
1736	Scaling theory of Ising spin glasses. 1984 , 17, 3179-3187	224
1735	Specific Heat and Superconductivity in $\text{BaPb}_{1-x}\text{Bi}_x\text{O}_3$. 1984 , 53, 2668-2673	71
1734	Thermodynamic perturbation theory for systems with strong local correlations. 1984 , 109, 227-308	123
1733	Low frequency excitation in amorphous acrylic polymers. 1984 , 25, 899-905	11

1732	Low frequency excitations in amorphous polycarbonate studied by Raman spectroscopy. 1984 , 25, 1411-1414	7
1731	On the low-frequency current noise in metals. 1984 , 49, 387-389	47
1730	Low energy excitations in spin glasses. 1984 , 49, 455-457	1
1729	Metal-nonmetal transition and superconductivity in frozen aluminium-hydrogen films. 1984 , 49, 519-521	6
1728	Ferromagnetic resonance in amorphous ferromagnet. 1984 , 50, 109-112	
1727	On peculiarities of excitation spectrum and anomalies of properties at moderate low temperatures in glasses. 1984 , 51, 503-507	9
1726	A comment on the acoustic properties of glasses at low temperatures. 1984 , 49, 1107-1109	
1725	Optical dephasing of impurities in amorphous organic solids down to 0.3 K. 1984 , 31-32, 771-773	1
1724	Low frequency elastic properties of glasses at low temperatures—implications on the tunneling model. 1984 , 57, 113-125	134
1723	Anomalous interaction between phonons and IVAP-originated two-level systems. 1984 , 3, 945-955	1
1722	An explanation of the anomalous temperature dependence of optical linewidths in glasses. 1984 , 54, 93-97	66
1721	Standard and anomalous relaxation effects in vitreous silica. 1984 , 41, 385-390	
1720	Structural disorder in neutron irradiated quartz and MgO. 1984 , 1, 183-186	10
1719	The Structural, Dielectric, Raman-Spectral and Low-Temperature Properties of Amorphous PbTiO ₃ . 1984 , 23, 1265-1273	58
1718	Excitations in Metmyoglobin crystals at low temperatures. 1984 , 55, 23-26	78
1717	Spin glasses. 1984 , 27, 822-841	2
1716	Analysis of the activation energy spectra of the induced anisotropy in amorphous Co ₅₈ Ni ₁₀ Fe ₅ Si ₁₁ B ₁₆ . 1984 , 20, 1394-1396	9
1715	Micromagnetic analysis of magnetic after-effects in amorphous alloys by two-level systems. 1984 , 20, 1388-1390	56

1714	Low temperature thermal relaxation in polymethyl methacrylate (pmma). 1984 , 24, 27-28	20
1713	Defect concepts for vector spin glasses. 1984 , 156, 368-411	21
1712	Logarithmic decay of photochemically induced two-level systems in an organic glass. 1984 , 106, 487-490	78
1711	Photochemisches Lochbrennen und optische Relaxationsspektroskopie in Polymeren und Gläsern. 1984 , 96, 96-123	114
1710	Mean-field theories of spin glasses. 1984 , 114, 1-98	49
1709	Thermal Conductivity and Optical and Paramagnetic Absorption Spectra of Reactor Irradiated MgO Crystals. 1984 , 122, 95-104	3
1708	Electron-Two-Level System Interaction and Superconductivity. 1984 , 123, K93-K95	5
1707	Studies in the theory of disordered materials. 1984 , 24, 606-609	
1706	On a model structure for amorphous solids. 1984 , 68, 17-32	3
1705	Two-level systems in zirconium-based amorphous alloys: Evidence of a coupling with Zr nuclei. 1984 , 65, 403-408	4
1704	The thermal conductivity of three fluorozirconate glasses. 1984 , 64, 445-448	7
1703	Defects and glass formation. 1984 , 64, 95-111	26
1702	Thermal properties of vitreous silica with He impurities. 1984 , 65, 139-143	4
1701	Low-temperature nuclear spin-lattice relaxation in glasses - homogeneous and inhomogeneous averaging. 1984 , 66, 501-509	36
1700	The nature of the glass transition. 1984 , 61-62, 749-759	70
1699	Magnetic aftereffects, induced anisotropies, and the role of two-level systems in amorphous alloys. 1984 , 41, 366-375	58
1698	Anomalous isotope-mass effect in lithium borate glasses: Comparison with a unified relaxation model. 1984 , 30, 2133-2139	181
1697	Neutron Scattering Study of the Low-Frequency Vibrations in Vitreous Silica. 1984 , 53, 2316-2319	343

1696	Magnetic amorphous alloys: physics and technological applications. 1984 , 47, 1601-1725	204
1695	Low temperature hydrogen tunnelling in NbO _x H _y (x \approx 0.002; y \approx 0.002). 1984 , 101, 317-326	18
1694	Low-temperature thermoelastic effects in glasses. 1984 , 50, 63-92	15
1693	Packing structures and transitions in liquids and solids. 1984 , 225, 983-9	833
1692	Chapter 52 Amorphous alloys. 1984 , 265-443	8
1691	SOME OF THE SEMINARS GIVEN DURING THE SESSION. 1984 , 483-562	
1690	Noncrystalline semiconductors. 1984 , 37, 34-41	13
1689	IVAP-originated two-level systems and tunnelling atoms in lone-pair amorphous semiconductors. 1984 , 49, 311-320	12
1688	Non-Ohmic Conduction and Weak Localization in 1T-TaS ₂ . 1984 , 53, 667-675	1
1687	Ultrasonic study of tunnelling defects in amorphous Se, Ge and Se-Ge compounds. 1985 , 52, 821-842	28
1686	Time Resolved Fluorescence Line Narrowing in Ytterbium-Doped Inorganic Glasses. 1985 , 61, 295	
1685	Elastic Properties of NaCl: OH at Low Temperatures. 1985 , 54, 175-185	21
1684	Kinetic Properties of the Two-Level Systems in Glasses with Account of Tunneling. 1985 , 127, 679-688	2
1683	Saturation of Tunneling States in Glasses in the Presence of the Phonon Bottleneck. 1985 , 129, K21-K25	
1682	Resonance phonon scattering on stable F +2 centers in LiF crystals irradiated in the stressed state. 1985 , 58, 143-152	1
1681	Tunneling with very long relaxation times in glasses, organic materials, and Nb-Ti-H (D). 1985 , 58, 171-181	59
1680	Infrared divergences associated with heavy particles in metals. 1985 , 132, 303-309	2
1679	Urbach tails and the structure of chalcogenide glasses. 1985 , 53, 293-296	13

1678	Tunnelling states and anharmonic resonant modes in glasses. 1985 , 56, 889-893	20
1677	a.c. Conduction originated from the atomic two-levels systems in hydrogenated amorphous silicon. 1985 , 55, 245-248	11
1676	Thermochemical data and phase transition of argyrodite-type ionic conductors ME6PS5HAL and ME7PS6 (ME = Cu, Ag; HAL = Cl, Br, I). 1985 , 87, 319-334	16
1675	Structural relaxation effects on the low-temperature properties of vitreous silica. 1985 , 60, 323-330	37
1674	Some experimental aspects of spin glasses: A review. 1985 , 51, 1-74	175
1673	Ultrasonic study of sintered SiC at low temperatures. 1985 , 20, 823-828	4
1672	A cluster simulation of the double-well potentials in glasses. 1985 , 55, 537-541	14
1671	Topological disorder and Bi-level states in the 2-D electron glass. 1985 , 55, 843-846	
1670	Stability of magnetic properties of metallic glasses. 1985 , 21, 1996-2001	22
1669	Phenomenes de transport electrique dans des carbones de basse temperature□ 1985 , 23, 25-31	11
1668	Optical relaxation in organic disordered systems submitted to photochemical and non-photochemical hole-burning. 1985 , 120, 503-508	62
1667	Structural interpretation of hole burning in inhomogeneously broadened absorption bands. 1985 , 122, 465-468	22
1666	Calorimetric measurements in the orientational glass (KBr) _{1-x} (KCN) _x . 1985 , 18, 2843-2848	14
1665	Electron-localisation effects on impurity dynamics. II. Two-level systems. 1985 , 18, 3755-3762	7
1664	Dangling-bond and void-like structure in amorphous semiconductors. 1985 , 2, 533-536	4
1663	Quantum Fokker-Planck equation. 1985 , 18, 5873-5879	12
1662	New channels of energy transfer across a solid-liquid He interface. 1985 , 18, L667-L671	11
1661	The thermal properties of a semicrystalline polymer at very low temperatures. 1985 , 18, 1777-1789	12

1660	Structure scattering and the thermal conductivity of a semicrystalline polymer. 1985 , 18, 1791-1802	10
1659	Tunneling of dislocation kinks and the effect of dissipation. 1985 , 54, 2418-2421	22
1658	Low-temperature behavior of potassium and sodium silicate glasses. 1985 , 31, 1090-1101	50
1657	Low-temperature acoustic properties of (KBr) _{1-x} (KCN) _x in the orientationally disordered state. 1985 , 55, 2013-2016	41
1656	⁵⁵ Mn NMR study of the collective excitations in spin-glasses. 1985 , 54, 1313-1316	19
1655	Low-temperature behavior of vitreous silica containing neon solute. 1985 , 31, 1102-1106	5
1654	Low-temperature ultrasonic study of trapped hydrogen in niobium. 1985 , 32, 5481-5482	2
1653	Investigation of polarization diffusion and relaxation dynamics of low temperature glasses. 1985 , 82, 2935-2938	5
1652	Order and disorder behavior of superparamagnetic particles of ferric hydroxysulfate seen through Mössbauer spectroscopy. 1985 , 58, 2080-2082	
1651	Patterns of relaxation in disordered materials. 1985 , 32, 1434-1435	32
1650	Disorder, configurational relaxations and heat capacity of glasses. 1985 , 5, 277-300	17
1649	General theory of spectral diffusion and echo decay in glasses. 1985 , 31, 490-504	40
1648	Theory of low-temperature thermal expansion of glasses. 1985 , 32, 6873-6883	30
1647	Interactions, local order, and atomic-rearrangement kinetics in amorphous nickel-phosphorous alloys. 1985 , 32, 5402-5411	85
1646	Loosely bound particles in amorphous solids. 1985 , 31, 8232-8237	
1645	Glasslike properties of a chain of particles with anharmonic and competing interactions. 1985 , 32, 5731-5746	58
1644	Photochemical hole-burning study of 1,4-dihydroxyanthraquinone doped in amorphous silica prepared by alcoholate method. 1985 , 58, 3559-3565	132
1643	Properties of amorphous germanium tunnel barriers. 1985 , 58, 1584-1596	39

1642	Nature of single-localized-electron states derived from tunneling measurements. 1985 , 55, 859-862	143
1641	Temperature dependence of the Mössbauer linewidth of superparamagnetic particles of ferric hydroxysulfate. 1985 , 57, 1291-1293	4
1640	Explanation for the universal low-temperature and dynamical properties of a particular glass. 1985 , 32, 6091-6093	52
1639	Excitation energies of multilevel tunneling states in the presence of large local strain fields: A possible model for the glassy state. 1985 , 31, 1114-1121	13
1638	Dynamics of proton spin-lattice relaxation in glycerol. 1985 , 32, 4556-4564	14
1637	Two-level systems in hydrogenated amorphous silicon: NMR studies. 1985 , 32, 6062-6065	4
1636	Revised theory of relaxation ultrasound attenuation in glasses. 1985 , 31, 3555-3559	1
1635	Phonon scattering from electrons and low-energy excitations in amorphous Pd-Cu-Si containing 3d transition metals. 1985 , 31, 6324-6331	10
1634	Possible mechanism for thermal conductivity in (KBr) _{1-x} (KCN) _x . 1985 , 32, 4220-4223	10
1633	Ultrasonic attenuation in strongly disordered electronic systems. 1985 , 31, 8188-8195	17
1632	Microscopic theory of glassy disordered crystals: (KBr) _{1-x} (KCN) _x . 1985 , 5, 317-339	68
1631	Optical dephasing in organic amorphous systems. A photon echo and hole-burning study of pentacene in polymethylmethacrylate. 1985 , 83, 1-9	106
1630	Optical absorption tails and the structure of chalcogenide glasses. 1985 , 18, 4741-4751	14
1629	Low-temperature thermal properties of ferroelectrics. 1985 , 32, 5780-5784	82
1628	Inelastic neutron scattering from amorphous solids. 1985 , 76, 61-78	15
1627	Do spatially chaotic configurations possess glass-like properties?. 1985 , 75, 129-134	
1626	Some facts, old and new, about the low temperature thermal properties of noncrystalline solids. 1985 , 5, 239-259	18
1625	Disordered electronic systems. 1985 , 57, 287-337	4972

1624	Structural interpretation of low-temperature heme-ligand recombination rates in myoglobin. 1985 , 183, 185-190	15
1623	The path decomposition expansion and multidimensional tunneling. 1985 , 257, 799-858	110
1622	Dielectric glassy phases. 1986 , 7, 315-357	21
1621	Observation of erasable holographic gratings at room temperature in Eu(3+)-doped glasses. 1986 , 11, 653-5	22
1620	Glassy state clarified through chemical bonds and their defects. 1986 , 85, 346-357	16
1619	Glasslike behaviour of polycrystalline BaTiO ₃ at very low temperatures. 1986 , 6, 33-40	15
1618	Tiling, Prime Numbers, and the Glass Transition. 1986 , 484, 1-12	15
1617	Sequential Freezing of Quadrupolar and Dipolar Order in (KBr) _{1-x} (KCN) _x Glasses. 1986 , 484, 121-129	9
1616	Glassy Crystals Low-frequency and Low-temperature Properties a. 1986 , 484, 130-149	20
1615	Fracton contribution to the temperature dependence of the homogeneous linewidth of the 5D ₀ -7F ₀ transition in Eu ³⁺ -doped glasses. 1986 , 33, 2713-2718	25
1614	Phonon-fracton anharmonic interactions: The thermal conductivity of amorphous materials. 1986 , 34, 2726-2734	148
1613	The thermal conductivity of insulators and semiconductors. 1986 , 27, 117-144	46
1612	Topological constraints on quasicrystal transformations. 1986 , 34, 3649-3669	67
1611	Curved space and amorphous structures part II. Gauge theories. 1986 , 27, 3-35	15
1610	Ordered phase of short-range Ising spin-glasses. 1986 , 56, 1601-1604	670
1609	Acoustic properties and relationship with the low frequency light scattering in an optical glass. 1986 , 87, 70-85	12
1608	Low frequency light scattering in amorphous as ₂ s ₃ . 1986 , 88, 35-42	6
1607	Some Aspects of Charge Transfer in Biological Systems. 1986 , 177-197	4

1606	Protein dynamics and hydration. 1986 , 127, 207-16	42
1605	Experimental Study of Non-Exponential Relaxation Processes in Random Organic Solids. 1986 , 149, 63-75	21
1604	Description of radiation effects by means of potential curve graphs. 1986 , 97, 67-73	
1603	Frequency-dependent transport in glow-discharge amorphous silicon. 1986 , 54, 391-414	15
1602	Isothermal and adiabatic thermoelastic effects in a metallic glass. 1986 , 53, 477-495	2
1601	Relaxation and dephasing times in amorphous solids: a method for configurational averaging over the two-level systems. 1986 , 128, 377-382	19
1600	Low temperature sound velocity at 9.3 GHz in quartz crystals irradiated with fast neutrons. 1986 , 60, 63-65	2
1599	The tunneling model Π incomplete for amorphous metals. 1986 , 57, 151-154	18
1598	Real-time phonon detection by filling of persistent spectral holes. 1986 , 57, 703-706	4
1597	Low temperature heat release in amorphous Fe ₈₀ B ₁₄ Si ₆ . 1986 , 57, 425-426	7
1596	Low frequency excitations in vitreous silica. 1986 , 138, 264-268	8
1595	Fractons. 1986 , 140, 397-404	31
1594	Atomic tunneling states with dissipation in glasses: temperature-dependent two-level systems. 1986 , 116, 63-65	9
1593	Phonons in disordered solids. 1986 , 117, 297-301	11
1592	Optical dephasing of impurities in organic and inorganic glasses. I. General formalism and application to the coupling with a single two-level system. 1986 , 106, 345-370	12
1591	Optical dephasing of impurities in organic and inorganic glasses. II. Coupling of an impurity to many two-level systems. 1986 , 106, 371-390	11
1590	Density of the tunneling states of amorphous materials. 1986 , 47, 181-186	2
1589	Dielectric and thermal properties of relaxation ferroelectrics at low temperatures. 1986 , 97, 121-128	7

1588	Thermodynamic and transport properties of UPT3. 1986 , 62, 39-54	115
1587	Long-time tunneling in amorphous metals at helium temperatures. 1986 , 65, 289-301	13
1586	Acoustic experiments on amorphous Pd ₃₀ Zr ₇₀ and Cu ₃₀ Zr ₇₀ in the superconducting and the normal state. 1986 , 64, 81-93	46
1585	Low-temperature elastic experiments on glasses at very low frequencies. 1986 , 64, 95-106	8
1584	Low temperature properties of glasses—Unsolved problems. 1986 , 96, 559-564	
1583	Modeling a "tunneling" state in amorphous silicon dioxide. 1986 , 33, 1506-1508	40
1582	Spin glasses: Experimental facts, theoretical concepts, and open questions. 1986 , 58, 801-976	4124
1581	New studies of non-photochemical holes of dyes and rare-earth ions in polymers. I. Spontaneous hole filling. 1986 , 101, 269-277	27
1580	Correlation between the density of states low-temperature tunneling systems in glasses and the glass transition temperature. 1986 , 57, 315-318	45
1579	Anomalous resistivity in Nb-Ti alloys. 1986 , 59, 127-131	5
1578	Critical behaviour of the double-well potentials in glasses. 1986 , 60, 373-376	5
1577	Chapter 3: Thermal and Elastic Anomalies in Glasses at Low Temperatures. 1986 , 9, 265-344	108
1576	Non-photochemical hole burning—Versatility and theoretical status. 1986 , 5, 175-184	13
1575	Ultrasonic attenuation measurements and "glassy" behaviour of neutron irradiated quartz. 1986 , 97, 175-182	7
1574	Selective renormalisation: a new approach to universal properties of granular structures. 1986 , 19, 4635-4648	1
1573	Low-Energy Excitations and Free Volume in Amorphous Pd _{77.5} Cu ₆ Si _{16.5} . 1986 , 1, 23-30	25
1572	Dangling-bond and void-like structure in amorphous semiconductors. 1986 , 19, 5957-5974	5
1571	Glasslike Behaviour of a Neutron-Irradiated Ni-Doped Al ₂ O ₃ Crystal. 1986 , 1, 141-147	1

1570	Inelastic scattering of neutrons from two-level systems in glasses. 1986 , 19, 1657-1664	4
1569	Tunnel modes and kinetic properties of glasses at low and high temperatures. 1986 , 19, 5529-5553	10
1568	Rayleigh Scattering of Mössbauer Radiation (RSMR) Data, Hydration Effects and Glass-like Dynamical Model of Biopolymers. 1986 , 33, 527-540	21
1567	Proteins and Disordered Systems: Static and Dynamic Properties. 1986 , 34, 92-96	4
1566	Localized fluidity modes and the topology of the constant-potential-energy hypersurfaces of Lennard-Jones matter. 1986 , 33, 262-268	33
1565	Low-temperature homogeneous linewidths of Yb ³⁺ in inorganic glasses. 1986 , 33, 4436-4438	32
1564	Low-temperature relaxation in glassy systems. 1986 , 34, 4993-4999	11
1563	Dipolar and quadrupolar freezing in (NaCN) _{1-x} (KCN) _x . 1986 , 34, 1238-1249	62
1562	Excess low-temperature specific heat in K _{0.3} MoO ₃ . 1986 , 34, 4432-4435	39
1561	Metastable changes of the electronic spin-lattice relaxation time in hydrogenated amorphous silicon. 1986 , 33, 7379-7382	7
1560	Some exact results for multiorientational "Ising-type" dipoles in transverse fields. 1986 , 57, 1355-1357	7
1559	Connection between tunneling and localized configurational relaxations in glasses. 1986 , 33, 7201-7204	19
1558	Level repulsion and the dielectric relaxation in quadrupolar glasses. 1986 , 33, 2073-2076	28
1557	Comparison of a glass thermometer against a nuclear orientation thermometer in high magnetic fields. 1986 , 57, 1413-1415	24
1556	Theory of nonlinear resonant absorption in dielectric glasses at low temperatures. 1986 , 33, 2781-2795	5
1555	Excess low-temperature specific heat in a model glass. 1986 , 34, 8667-8670	19
1554	Two-level-system spectrum and extrinsic disorder. 1986 , 33, 5893-5895	2
1553	Broad-band parametric deamplification of quantum noise in an optical fiber. 1986 , 57, 691-694	525

1552	Concentration dependence and temperature dependence of hydrogen tunneling in Nb(OH) _x . 1986 , 56, 159-162	61
1551	Persistent spectral hole burning for R' color centers in LiF crystals: Statics, dynamics, and external-field effects. 1986 , 33, 5702-5716	18
1550	Specific-heat study of the phonon-fracton crossover in glassy ionic conductors. 1986 , 33, 5637-5641	30
1549	Two-level systems in electron-irradiated quartz. 1986 , 34, 1405-1408	17
1548	Scattering of high-energy phonons at irregular surfaces without and with liquid He. 1986 , 33, 8664-8676	13
1547	Anomalous electron-spin relaxation in amorphous silicon. 1986 , 33, 4455-4463	31
1546	Laser-induced refractive-index gratings in Eu-doped glasses. 1986 , 34, 4213-4220	48
1545	Low-temperature properties of crystalline (KBr) _{1-x} (KCN) _x : A model glass. 1986 , 34, 8828-8842	124
1544	A. C. Conduction in Chalcogenide Glasses. 1986 , 251-284	1
1543	Continuous random networks from graphs to glasses. 1987 , 36, 95-134	48
1542	The low-temperature heat capacity of the polymer polyethylene terephthalate, in the range 0.4 to 15 K. 1987 , 20, 2995-3003	4
1541	Glass Radiation Centre Potential Curves. 1987 , 46, 108-110	
1540	The power-law dependence of the AC conductivity in disordered systems and non-analyticity of the relaxation spectrum. 1987 , 20, L241-L242	2
1539	The low-temperature thermal expansion and specific heat of glassy B ₂ O ₃ and two glassy sodium borates. 1987 , 20, 1-7	3
1538	Interacting Spins in Random Clusters. 1987 , 35, 69-75	
1537	Simulation of multi-level systems in amorphous metals. 1987 , 17, 1291-1308	23
1536	Kondo-like Effect of Atomic Motion on Resistivity in Pb _{1-x} GexTe. 1987 , 56, 697-705	19
1535	Calculation of the temperature dependence of the thermopower in amorphous metals. 1987 , 17, 2389-2394	8

1534	A path integral theory solution for the DVS model in glasses. 1987 , 20, 4891-4902	7
1533	Quantum motion of particles in random dynamic fields and quantum dissipation: Schrodinger equation with Gaussian fluctuating potentials. 1987 , 20, 4757-4788	5
1532	Distribution of barrier heights in amorphous organic materials. 1987 , 59, 2199-2202	76
1531	Specific heat and thermal expansion of Li ⁺ ions in KCl: Evidence for the pair density of states. 1987 , 35, 1397-1404	10
1530	Zero-temperature scaling and combinatorial optimization. 1987 , 58, 1703-1706	6
1529	Optical linewidths and photon-echo decays of impurities in glasses. 1987 , 36, 3436-3441	47
1528	Low-temperature tunneling of 4He atoms into graphite. 1987 , 58, 2680-2683	4
1527	Spectrum of universal conductance fluctuations. 1987 , 59, 1772-1775	15
1526	Thermally induced two-level systems in glasses and nuclear spin-lattice relaxation. 1987 , 36, 8941-8944	6
1525	Tunneling systems and disorder in quasicrystals. 1987 , 36, 7685-7688	33
1524	Model description of the dephasing of optical impurities in glasses. 1987 , 35, 828-837	17
1523	Influence of heat treatment on the relaxation ultrasonic attenuation due to two-level systems in neutron-irradiated quartz. 1987 , 35, 6399-6402	6
1522	Search for electric echoes in K _{0.3} MoO. 1987 , 36, 6164-6167	3
1521	Interpretation of dispersive hole-burning kinetics. 1987 , 86, 1743-1747	14
1520	Dynamic solvent effects on outer-sphere electron transfer. 1987 , 87, 2090-2104	453
1519	Thermal conductivity and specific heat of glasses. 1987 , 36, 7620-7624	89
1518	Coherent Transient and Holeburning Spectroscopy of Rare Earth Ions in Solids. 1987 , 51-184	60
1517	Theory of glass dynamics: The low-lying modes of anharmonic materials. 1987 , 58, 2470-2473	2

1516	Tunneling dynamics of doped organic low-temperature glasses as probed by a photophysical hole-burning system. 1987 , 35, 4031-4037	77
1515	Inelastic phonon scattering in an amorphous subsurface layer and the establishment of a temperature below 1K. 1987 , 444-449	
1514	Phonon physics in a survey. 1987 , 1-47	11
1513	Nonphotochemical holeburning in a protein matrix: Chlorophyllide in apomyoglobin. 1987 , 86, 2439-2441	36
1512	Configurational Dynamics of Doped Low Temperature Glasses and Polymers. 1987 , 91, 858-863	6
1511	Homogeneous Optical Linewidth of Impurities in Organic Glasses in the Low Temperature Regime. 1987 , 91, 864-869	1
1510	Low Lying Excitations in Silica. 1987 , T19B, 350-353	4
1509	The universality of the density of states of low-energy excitations in glasses. 1987 , 56, 199-211	27
1508	Thermal and dielectric properties of KH ₂ PO ₄ at very low temperatures. 1987 , 6, 165-172	8
1507	Low temperature thermal conductivity of polystyrene. 1987 , 91, 391-401	5
1506	A model interpretation of the correlation between the activation enthalpy and the breadth of electric modulus spectrum on varying the compositions in alkali aluminogermanate and other glasses. 1987 , 95-96, 873-880	7
1505	Spectroscopic studies of impurity-host interactions in dye-doped polymers: Hydrostatic-pressure effects versus temperature effects. 1987 , 36, 7601-7611	110
1504	Glass transition temperature and the structure of TeO ₂ -V ₂ O ₅ -Fe ₂ O ₃ glasses. 1987 , 20, 548-551	9
1503	Specific-heat study of low-energy excitations in glasses. 1987 , 56, 227-236	28
1502	Luminescence and Fluorescence Line Narrowing of Doped Glasses. 1987 , T19B, 354-362	18
1501	Photoinduced changes of ac transport in amorphous As ₂ S ₃ . 1987 , 36, 7741-7743	23
1500	Frequency-dependent equation of state of fused silica to 10 GPa. 1987 , 35, 236-244	106
1499	Glasslike behaviour of polycrystalline Pb(Sc _{0.5} Nb _{0.5})O ₃ at low temperatures. 1987 , 7, 113-120	11

1498	Hole-burning spectroscopy and relaxation dynamics of amorphous solids at low temperatures. 1987 , 237, 618-25	117
1497	Ultrasonic study of mechanically alloyed Co ₄₀ Sn ₆₀ . 1987 , 50, 478-479	13
1496	Modeling Tetrahedrally Bonded Random Networks by Computer. 1987 , 1-42	126
1495	Four-mode Squeezing and Applications. 1987 , 34, 775-792	34
1494	Structural relaxation in metallic glasses: reversible and irreversible changes in a two-level systems model. 1987 , 17, 815-826	45
1493	Low temperature experiments on glasses. 1987 , 94-120	
1492	Spectroscopy of Collective States and Cooperative Transitions in Disordered Rare-Earth Activated Solids. 1987 , 21, 343-480	9
1491	Individual interface states and their implications for low-frequency noise in MOSFETs. 1987 , 30, 148-152	12
1490	Brillouin scattering investigation of excitations of glycerol above the liquid - glass transition. 1987 , 62, 427-429	1
1489	Homogeneous line broadening of optical transitions of ions and molecules in glasses. 1987 , 36, 179-207	197
1488	Comparison of the spectral and temperature dependences of the homogeneous linewidths in Eu ³⁺ -doped fluoride and oxide glasses. 1987 , 36, 221-229	25
1487	Optical linewidths and dephasing of organic amorphous and semi-crystalline solids studied by hole burning. 1987 , 36, 251-262	77
1486	Theoretical studies of homogeneous linewidths of optical transitions in glasses. 1987 , 36, 283-292	75
1485	Ultrasonic Absorption in Hydrogen Containing Metals. 1987 , 142, K1-K6	
1484	Molecular motion in supercooled liquids and glasses. 1987 , 28, 343-363	12
1483	Experimental study of low-temperature long-time relaxation in epoxy resin. 1987 , 68, 285-299	13
1482	Characterization of coals by the study of complex permittivity. 1987 , 66, 179-184	9
1481	Effect of hydrogen bond strength on resorufin non-photochemical hole burning in ethanol-2,2,2-trifluoroethanol glasses. 1987 , 142, 371-375	13

1480	Dispersive relaxation and spectral diffusion in a doped alcohol glass: the influence of sample aging. 1987 , 134, 263-267	13
1479	Temperature dependence of the polarization of the dominant Raman lines in B ₂ O ₃ and (B ₂ O ₃) _{0.84} (Na ₂ O) _{0.16} glasses. 1987 , 64, 455-457	11
1478	Thermal conductivity of ice and ice clathrate. 1987 , 63, 167-171	30
1477	Picosecond photon echo and optical hole burning studies of chromophores in organic glasses. 1987 , 38, 9-14	13
1476	Optical dephasing of impurities in glasses at low temperatures. 1987 , 38, 125-128	1
1475	Hole-burning study of zero-phonon linewidths in organic glasses. 1987 , 36, 237-250	57
1474	Dispersive kinetic processes, optical linewidths and dephasing in amorphous solids. 1987 , 36, 293-305	49
1473	The dielectric and dynamic mechanical behaviour of molecularly disordered phases. 1987 , 36, 255-276	10
1472	On some kinetic phenomena in ordered and disordered substances. 1987 , 152, 73-133	5
1471	Phonons in disordered solids. II. Thermodynamic properties. 1987 , 120, 349-352	6
1470	Site-selective fluorescence and hole-burning spectroscopy of MTHF glasses doped with tetracene or pentacene. 1987 , 112, 285-291	27
1469	Surface to bulk photodimerisation diffusion in the crystal of anthracene. 1987 , 118, 211-221	2
1468	On the density of states for two-level systems in amorphous solids. 1987 , 118, 223-231	18
1467	Electron-spin-lattice relaxation of photoexcited triplet states in disordered organic solids. 1987 , 35, 4915-4921	16
1466	Restructuring of the atomic condensed state under conditions of an intense external field. 1987 , 30, 61-92	4
1465	Elastic properties of amorphous water at low temperatures. 1987 , 65, 291-297	22
1464	Luminescence in glassy and glass ceramic materials. 1987 , 16, 301-347	51
1463	Ultrasonic velocity change in sintered SiC and aIn at low temperatures. 1987 , 22, 557-563	

1462	A.c. conduction in amorphous chalcogenide and pnictide semiconductors. 1987 , 36, 135-217	1726
1461	Two-level states in glasses. 1987 , 50, 1657-1708	628
1460	Structural instability and superconductivity in niobium-titanium alloys. 1987 , 28, 555-564	3
1459	Specificities of low-temperature heat capacity of mechanical mixture of desoxynucleotides and DNA. 1988 , 27, 1859-62	
1458	An investigation of the mechanism of non-photochemical hole burning of resorufin in ethanol glass. 1988 , 143, 1-5	31
1457	Tunneling in amorphous solids. 1988 , 28, 224-229	5
1456	Slow mechanical relaxations of polymethacrylates below 20 K. 1988 , 28, 230-233	4
1455	Low-temperature properties of nuclear spin relaxation in inorganic glasses. 1988 , 65, 303-309	57
1454	On the origin and effects of correlations of properties of glasses with glass-transition temperature and pressure variations (densification). 1988 , 65, 949-953	8
1453	Low temperature long-time relaxation in glasses. 1988 , 65, 1031-1033	20
1452	Glassy behavior of $\text{Bi}_2(\text{MoO}_4)_3$ single crystal at low temperature. 1988 , 67, 723-724	7
1451	Optical dephasing in glasses: Theoretical comparison of the incoherent photon echo, accumulated grating echo, and two-pulse photon echo experiments. 1988 , 128, 135-155	62
1450	Kinetics of growth and decay of spectral holes in a tetracene-doped MTHF glass. 1988 , 123, 305-315	27
1449	Low-energy excitations in polyethylene: Comparison between amorphous and crystalline phases. 1988 , 150, 334-338	35
1448	Solute-solvent dynamics and interactions in glassy media: Photon echo and optical hole burning studies of cresyl violet in ethanol glass. 1988 , 152, 287-293	40
1447	Experimental study of electric field influence on low-temperature, long-time relaxation in crystalline ferroelectrics. 1988 , 73, 407-419	5
1446	Kinetic rate laws as derived from order parameter theory I: Theoretical concepts. 1988 , 15, 336-348	54
1445	Glassy disordered systems: Topology, atomic dynamics and localized electron states. 1988 , 165, 275-397	155

1444	Magnetization transfer in pulsed EPR of ^{15}N nitroxides: Reorientational motion model of molecules in glassy liquids. 1988 , 120, 291-298	22
1443	Low energy excitation measurement on epoxy resin: The possibility of fracton and phonon-assisted migration. 1988 , 133, 70-74	7
1442	Influence of the neutron dose on the coupling between the tunnelling states and the phonons in neutron irradiated quartz. 1988 , 126, 341-347	8
1441	Acoustic properties of metallic and superconducting glasses. 1988 , 65, 1385-1389	13
1440	Peculiarities of absorption and dispersion of acoustic and electromagnetic waves in non-metallic glasses at moderately low temperatures. 1988 , 68, 447-451	
1439	Temperature dependence of the homogeneous optical linewidth of impurities in glasses. 1988 , 40-41, 131-132	1
1438	A comparative study of (BI)polaronic (super)conductivity in high- and low- T_c superconducting oxides. 1988 , 152, 171-216	132
1437	Arguments for a lone-pair model for high temperature superconductivity. 1988 , 153-155, 1195-1196	
1436	Specific heat of $\text{YBa}_2\text{Cu}_3\text{O}_{7-x}$ and BaCuO_{2+x} in magnetic fields up to 6 T. 1988 , 156, 395-404	15
1435	Slowly relaxing tunneling states in neutron-irradiated quartz: A study of the internal friction at audio-frequencies. 1988 , 70, 19-23	7
1434	How universal are the low temperature acoustic properties of glasses?. 1988 , 70, 65-72	132
1433	Structural instability and relaxation in liquid and glassy phases near the fragile liquid limit. 1988 , 102, 205-221	333
1432	1f noise and other slow, nonexponential kinetics in condensed matter. 1988 , 60, 537-571	1106
1431	Phonon spectroscopy. 1988 , 51, 923-987	47
1430	Glasslike behaviour of crystalline solids at low temperatures. 1988 , 78, 61-67	13
1429	Phonon echoes in superconducting amorphous Pd_{30}Zr . 1988 , 60, 2547-2550	10
1428	Probing of extremely low configurational barriers in an organic glass. 1988 , 88, 6655-6657	7
1427	Microscopic origin of low-energy excitations in superionic glasses. 1988 , 37, 7021-7026	16

1426	Low-temperature specific heat of glasses: Temperature and time dependence. 1988 , 38, 2084-2088	18
1425	Distribution of tunneling-level barrier heights in (KBr) _{1-x} (KCN) _x : Comparison of dielectric response and specific heat. 1988 , 38, 6246-6256	19
1424	Annealing effects on the sound velocity and internal friction in the superconducting and normal states of the Cu ₃₀ Zr. 1988 , 37, 7819-7831	17
1423	Photochemical hole burning of phthalocyanine in polymer glasses: Thermal cycling and spectral diffusion. 1988 , 88, 679-686	83
1422	Relaxation and flow mechanisms in fragile glass-forming liquids. 1988 , 89, 6461-6469	137
1421	Dielectric rotary echoes in vitreous silica. 1988 , 38, 9952-9957	24
1420	Model for a glassy adsorbate: Two-level systems and specific heat. 1988 , 37, 5787-5805	10
1419	Reversible electric field induced spectral hole filling in a doped polymer film. 1988 , 89, 2615-2621	6
1418	Dynamics in low temperature glasses: Theory and experiments on optical dephasing, spectral diffusion, and hydrogen tunneling. 1988 , 88, 1564-1587	200
1417	. 1988 , 24, 1747-1751	14
1416	Photochemical hole burning of 1,4-dihydroxyanthraquinone in polymer glasses: Poly(ethylene), poly(methacrylic acid), and their copolymer systems. 1988 , 88, 1272-1278	9
1415	Anomalous telegraph noise in small-area silicon metal-oxide-semiconductor field-effect transistors. 1988 , 37, 8346-8350	89
1414	Resonant scattering and thermal transport in orientational glasses. 1988 , 38, 12607-12614	26
1413	Thermal conductivity in amorphous solids at temperatures below 1 K. 1988 , 37, 8407-8411	12
1412	Saturation of the density of states of tunneling systems in defective crystalline neutron-irradiated quartz. 1988 , 38, 6312-6315	15
1411	Mechanism of interaction of strain fields and two-level systems in amorphous dielectrics at low temperature. 1988 , 38, 8431-8436	2
1410	Conformational barriers in low-temperature proteins and glasses. 1988 , 37, 660-662	37
1409	Effects of spectral diffusion in incoherent photon-echo experiments. 1988 , 37, 10440-10443	20

1408	Distribution of barriers in (KBr) _{1-x} (KCN) _x : Dielectric response and specific heat. 1988 , 37, 10444-10447	15
1407	Dielectric-Metal Transition in Amorphous Semiconductors at High Pressures*. 1988 , 156, 271-282	4
1406	Inelastic neutron scattering by quasi-local vibrations interacting with sound waves in glasses. 1988 , 21, 2609-2620	1
1405	Low-frequency Raman scattering in thermally treated silica gels: observation of phonon-fracton crossover. 1988 , 21, L797-L801	25
1404	Electrical resistivity and magnetoresistance in Fe-B-C amorphous alloys. 1988 , 18, 2625-2633	5
1403	Acoustic Hole Burning Experiment in an Amorphous Compound: A Check of the Yamanoi and Eberly Theory. 1988 , 6, 523-528	3
1402	Theory of Magnetic Excitations in Disordered Systems. 1988 , 109-175	5
1401	Temperature Dependence of PHB Hole Profiles in Polymer Matrices. 1988 , 27, 225-228	10
1400	The ground-state energy of a two-level tunnelling unit in a phonon field. 1988 , 21, 5797-5812	2
1399	Irreversible Features of Thermal Line Broadening in Glasses as Probed by Persistent Optical Holes. 1988 , 7, 517-522	25
1398	Modelling of the Atomic and Electronic Structures of Interfaces. 1988 , 122, 81	5
1397	A two dimensional aperiodic dense tiling. 1989 , 50, 19-33	11
1396	Entropy Difference of Native DNA Molecules and Its Nucleotides Random Mixtures at Low Temperatures. 1989 , 14,	8
1395	Entropy distribution of a two-level system: An asymptotic analysis. 1989 , 40, 345-352	15
1394	Time scales and optical dephasing measurements: Investigation of dynamics in complex systems. 1989 , 39, 11066-11084	115
1393	Ultrasonic studies of the relation between two-level-tunneling systems, oxygen content, and superconducting transition temperature in YBa ₂ Cu ₃ O _{7-δ} . 1989 , 40, 5247-5250	13
1392	Models of rotational relaxation above the glass transition. 1989 , 90, 4464-4469	60
1391	New interpretation of activation enthalpies for electrical conductivity and nuclear spin relaxation in glassy ionic conductors. 1989 , 39, 6071-6075	78

- 1390 Interdefect elastic interaction in glass fiber and the theory of tunneling systems. **1989**, 40, 10056-10059 9
- 1389 Anomalous local hopping of Sn impurities in lead. **1989**, 63, 1400-1403 16
- 1388 Electron and phonon interactions with two-level-tunneling systems in the high-Tc superconductor YBa₂Cu₃O_{7-δ} and in niobium. **1989**, 62, 1556-1559 13
- 1387 Time dependence of hole spectrum due to dispersive burning kinetics in dye-doped polymers. **1989**, 91, 6579-6587 17
- 1386 Thermal irreversibility in optically labeled low-temperature glasses. **1989**, 39, 5414-5424 54
- 1385 Ultrasonic-phase-velocity measurements in electron-irradiated quartz. **1989**, 39, 3905-3908 7
- 1384 Bias-induced nonlinearities in the dc I-V characteristics of neutron-transmutation-doped germanium at liquid-4He temperatures. **1989**, 39, 8476-8482 23
- 1383 Anharmonic resonant modes and the low-temperature specific heat of glasses. **1989**, 39, 3374-3379 44
- 1382 Stability of frequency domain information bits in amorphous organic materials. **1989**, 66, 3232-3240 4
- 1381 Microscopic theory of reversible pressure broadening in hole-burning spectra of impurities in glasses. **1989**, 90, 3274-3281 149
- 1380 Absorption fluctuations and persistent spectral hole burning in a Nd³⁺-doped glass waveguide. **1989**, 63, 1833-1836 15
- 1379 Origin of the plateau in the low-temperature thermal conductivity of silica. **1989**, 39, 1927-1931 24
- 1378 Conductance fluctuations in thin silver films. **1989**, 39, 9929-9936 28
- 1377 Unusual dielectric relaxation of the mixed crystal (KBr)_{1-x}(KCN)_x at low temperatures and at low defect concentrations. **1989**, 40, 9868-9875 9
- 1376 Dielectric susceptibility and thermal conductivity of tunneling electric dipoles in alkali halides. **1989**, 40, 1918-1925 27
- 1375 Absence of localization in certain statically disordered lattices in any spatial dimension. **1989**, 40, 10999-11006 64
- 1374 Deuterium NMR study of D₂O dynamics in glassy and liquid LiCl:D₂O. **1989**, 39, 15-22 16
- 1373 Vibrations of fractals and scattering of light from aerogels. **1989**, 40, 7953-7965 109

1372	Probing of conformational relaxation processes of proteins by frequency labeling of optical states. 1989 , 90, 1270-1273	27
1371	Conformational transitions of long chain molecules in frozen solutions. 1989 , 91, 7296-7299	5
1370	Double fluorescence lifetimes of metal-free phthalocyanine in a mixed-solvent Shpol'skii matrix at 4.2 K. 1989 , 67, 1439-1443	8
1369	Connection between structural phase transitions and localized states in glasslike solids. 1989 , 10, 33-42	6
1368	Dielectric long-time relaxation after reducing hydrostatic pressure at ferroelectrics with diffuse phase transition. 1989 , 10, 125-132	6
1367	Anomalous ultrasonic absorption in LiNbO ₃ crystals. 1989 , 93, 259-270	3
1366	Localized states in glasses. 1989 , 38, 669-737	168
1365	Dielectric Rotary Echoes in (KBr) 1-x (KCN) x. 1989 , 8, 487-491	12
1364	Disorder-Induced Low-Frequency Noise in Small Systems: Point and Tunnel Contacts in the Normal and Superconducting State. 1989 , 10, 753-758	22
1363	Anti-resonance approach to soft tunnelling centres. 1989 , 1, 5065-5081	2
1362	Spectral hole-burning in uranium-doped tungstates. 1989 , 1, 1339-1352	10
1361	Hierarchical constrained double-well potentials in amorphous materials. 1989 , 1, 9671-9684	
1360	Feedback interaction between anharmonic and harmonic modes in glasses. 1989 , 1, 9701-9716	4
1359	Interactions of two-level systems in glasses. 1989 , 1, 4599-4610	25
1358	Thermal conductivity of glasses: Theory and application to amorphous Si. 1989 , 62, 645-648	128
1357	Low lying structural instabilities and entropy of monoatomic liquids. 1989 , 76, 167-173	1
1356	Elastic and quasielastic neutron scattering studies in KBr:KCN mixed crystals. 1989 , 75, 81-99	16
1355	Time and temperature dependence of the specific heat of non-crystalline solids within the tunneling model. 1989 , 76, 283-288	16

- 1354 Tunneling of hydrogen in Nb(CH)_{0.0002}. **1989**, 76, 359-363 8
- 1353 Optical dephasing in glasses. A picosecond accumulated photon echo study of pentacene in polystyrene and polymethylmethacrylate. **1989**, 139, 317-326 27
- 1352 Structural relaxation patterns of an optically labelled polymer at cryogenic temperatures. **1989**, 30, 231-236 11
- 1351 Persistent spectral hole-burning of Cr(en)₃³⁺ in amorphous hosts. **1989**, 161, 131-136 7
- 1350 The nature of glass dynamics: thermal reversibility of spectral diffusion in a low temperature glass. **1989**, 162, 449-454 14
- 1349 Spectral diffusion caused by ir irradiation into hole-burning spectra of dye molecules in polymer matrices. **1989**, 159, 235-238 6
- 1348 Precision ultrasonic velocity measurements for the study of the low temperature acoustic properties in defective materials. **1989**, 122, 77-81 9
- 1347 An electret model based on the two-level system theory. **1989**, 160, 369-387 3
- 1346 Time evolution of non-photochemical hole burning linewidths: Observation of spectral diffusion at long times. **1989**, 159, 1-6 34
- 1345 The kinetics of nuclear magnetically ordered systems. **1989**, 182, 211-364 26
- 1344 Ferron-antiferron interactions and the linear specific heat of high T_c cuprates. **1989**, 136, 503-508
- 1343 Heat capacity of glasslike materials: The free volume approach. **1989**, 140, 108-110 4
- 1342 Spin-echo decay in a glassy system at low temperature. **1989**, 138, 526-530 3
- 1341 Low temperature long-time energy relaxation in LiCl · 7H₂O. **1989**, 72, 497-500 6
- 1340 Thermal conductivity of glasses at low temperatures. **1989**, 72, 717-719 2
- 1339 Squeezed-state approach for ground state of a tunneling particle coupled to boson excitations. **1989**, 71, 689-691 17
- 1338 Thermodynamics of phonon-modulated tunneling centers. **1989**, 56, 331-355 1
- 1337 Selective laser spectroscopy of molecules in matrices. Experiments with porphyrins. **1989**, 10, 123-144 3

1336	Glassy behavior of low-temperature energy relaxation in YBa ₂ Cu ₃ O ₇ and YBa ₂ Cu ₃ O ₆ . 1989 , 77, 399-411	4
1335	Analysis of the stabilization kinetics of amorphous Co ₅₈ Ni ₁₀ Fe ₅ Si ₁₁ B ₁₆ . 1989 , 113, 169-180	20
1334	Connection between the Density of Localized States, Their Volume, and the Glass Transition Temperature of Amorphous Solids. 1989 , 154, K93-K97	2
1333	On the Nature of the Distribution Function for Two-Level Systems in Amorphous Solids. 1989 , 154, K107-K112	1
1332	Spin-Lattice Relaxation of Nuclei in Amorphous Dielectrics Containing Paramagnetic Impurities. 1989 , 155, K153-K156	
1331	Thermal Conductivity of BaCuO _{2+x} at Low Temperatures and High Magnetic Fields. 1989 , 156, K97-K100	1
1330	Noise in solid-state microstructures: A new perspective on individual defects, interface states and low-frequency (1/f) noise. 1989 , 38, 367-468	1031
1329	Specific heat and thermal conductivity of ionic conductors and chalcogenide glasses at low temperatures. 1989 , 59, 33-42	7
1328	Thermal conductivity of metallic glasses. 1989 , 66, 5335-5339	15
1327	Molecular-dynamics simulation of amorphous alloys. I. Atomic structure of fully relaxed systems. 1989 , 1, 9985-10001	5
1326	Nonlinear-optical processes in lower-dimensional conjugated structures. 1989 , 6, 707	93
1325	Application of a two-color free-electron laser to condensed-matter molecular dynamics. 1989 , 6, 977	18
1324	Dielectric properties of the electrolyte glass LiCl·7H ₂ O at low temperatures. 1989 , 107, 166-170	6
1323	Curved crystals, defects and disorder. 1989 , 38, 605-667	66
1322	Thermal conductivity of amorphous materials above the plateau. 1989 , 39, 13465-13477	114
1321	Low-temperature specific heat and thermal conductivity of a glassy polymer under applied pressure. 1989 , 40, 1901-1917	51
1320	Photochemical hole burning of tetraphenylporphyrin in phenoxy resin at 4.280 K. 1989 , 66, 6041-6047	46
1319	Nonlinear Optical Polymers: Challenges and Opportunities in Photonics. 1989 , 173, 467	12

1318	Chapter 84 Spin glasses. 1989 , 12, 213-356	4
1317	Chapter 3: Kapitza Thermal Boundary Resistance and Interactions of Helium Quasiparticles with Surfaces. 1989 , 12, 115-194	12
1316	How universal are the glassy states in ferro-electrics and other materials with a structural phase transition?. 1990 , 11, 39-46	1
1315	Structural Relaxation, Memory Behaviour, Specific Heat Anomaly and Localized Motions in Amorphous Solids. 1990 , 215, 187	2
1314	Hole-Burning Spectroscopy of Glasses. 1990 , 43, 58-65	25
1313	Relaxation and low-temperature specific heat in $(\text{KBr})_{1-x}(\text{KCN})_x$. 1990 , 79, 431-440	11
1312	Tunneling of hydrogen in metals. 1990 , 1-23	8
1311	A suggestion concerning the origin of the broad distribution of tunneling system relaxation rates in glasses. 1990 , 81, 245-252	9
1310	Non-photochemical hole-burning of Cr^{3+} complexes in amorphous hosts. 1990 , 46, 345-352	9
1309	Low-temperature glass dynamics probed by optical dephasing measurements. 1990 , 45, 49-53	2
1308	In search of spectral diffusion in glasses. A time-resolved transient hole-burning study of porphyrins in polyethylene. 1990 , 166, 263-271	33
1307	Comment on Time evolution of non-photochemical hole burning linewidths: Observation of spectral diffusion at long times. 1990 , 166, 217-219	7
1306	Thermodynamics of mesoscopic soft modes in strongly disturbed lattices. 1990 , 166, 229-262	6
1305	Dispersive kinetics of nonphotochemical hole growth for oxazine 720 in glycerol, polyvinyl alcohol and their deuterated analogues. 1990 , 146, 47-61	39
1304	How Universal Are the Glassy States in Solids with a Structural Instability?. 1990 , 159, K1-K5	2
1303	Mori Approach to the Dynamics and Thermodynamics of Tunneling Centers. 1990 , 161, 543-564	
1302	Thermal conductivity of high- T_c superconductors. 1990 , 3, 337-389	137
1301	Acoustic properties of metallic glasses at low temperatures. 1990 , 165-166, 895-896	1

1300 Strong phonon coupling and the relaxation rate spectrum in glasses. **1990**, 165-166, 897-898

1299 Study of the tunneling states in neutron-irradiated quartz: A quantitative analysis of ultrasonic attenuation measurements after heat treatment. **1990**, 165-166, 899-900 1

1298 Ultrasonic measurements of the variation of the velocity of sound in electron-irradiated quartz: A quantitative analysis to the tunneling model. **1990**, 165-166, 901-902

1297 High temperature optical dephasing mechanism for dye molecules in PMMA glass. **1990**, 171, 19-24 38

1296 Thermal history and temperature-dependent photon echo and hole burning linewidths in low temperature glycerol glasses. **1990**, 175, 149-155 5

1295 Hole burning line shapes in a two-dimensional glass: A model for hole burning line shapes of molecules on surfaces. **1990**, 168, 371-378 9

1294 Optical dephasing of a near infrared dye in PMMA: photon echoes using the superconducting accelerator pumped free electron laser. **1990**, 170, 133-138 19

1293 On the mechanism of nonphotochemical hole burning of optical transitions in amorphous solids. **1990**, 141, 447-455 53

1292 Phonon thermal conductivity of amorphous solids at moderately low temperatures II. **1990**, 162, 122-127 7

1291 The role of disorder in highly correlated metals and insulators. **1990**, 88, 94-103 14

1290 Spectral holeburning and statistical fine structure of Nd³⁺ in silica glass. **1990**, 45, 54-57 5

1289 On the quantum efficiency of chromium-doped glasses. **1990**, 45, 63-65 39

1288 Long-time relaxation behavior in orientational glasses. **1990**, 86, 319-337 2

1287 Long-time relaxation of low energy excitations in Bi₂CaSr₂O₈. **1990**, 75, 237-241 5

1286 Low temperature thermal properties of pentanol-2 [(A perspective polarized target material). **1990**, 75, 125-127 4

1285 Laser induced phase transition of amorphous semiconductors. **1990**, 76, 1367-1370 1

1284 High frequency dielectric measurements of dipolar freezing and low temperature excitations in (KBr)_{1-x}(KCN)_x. **1990**, 76, 1235-1237 1

1283 Acoustic properties of borate glasses at low temperatures. **1990**, 74, 661-665 2

1282	Low-temperature properties of a model glass. II. Specific heat and thermal transport. 1990 , 41, 7799-7821	60
1281	Calorimetric investigations of (NaCN) _{1-x} (KCN) _x glasses. 1990 , 42, 7596-7603	10
1280	Scaling approach to pinning: Charge density waves and giant flux creep in superconductors. 1990 , 64, 2454-2457	358
1279	Microscopic theory for dilute quadrupole glasses. 1990 , 65, 3017-3020	30
1278	Symmetry and distribution of two-level systems in glasses. 1990 , 42, 1802-1809	3
1277	Solvation shell effects and spectral diffusion: Photon echo and optical hole burning experiments on ionic dyes in ethanol glass. 1990 , 92, 4125-4138	65
1276	Superdiffusion in structurally disordered systems in any spatial dimension. 1990 , 92, 6093-6097	15
1275	¹¹ B spin-lattice relaxation and disorder modes in ionic glassy conductors (AgI) _x (Ag ₂ O). 1990 , 41, 6137-6144	20
1274	A model for ac conduction in amorphous silicon nitrides. 1990 , 68, 371-374	6
1273	Nonequilibrium entropy and entropy distributions. 1990 , 41, 2261-2278	41
1272	Two-level systems and low-temperature glass dynamics: Spectral diffusion and thermal reversibility of hole-burning linewidths. 1990 , 92, 4145-4158	58
1271	Temperature and frequency dependence of the sound velocity in vitreous silica due to scattering off localized modes. 1990 , 41, 3153-3157	23
1270	Mesoscopic noise studies of atomic motions in cold amorphous conductors. 1990 , 41, 4901-4919	31
1269	Tunneling states in neutron-irradiated quartz: Measurements of the ultrasonic attenuation and velocity change. 1990 , 42, 5842-5854	32
1268	Nuclear quadrupole resonance of ³⁵ Cl nuclei in glassy solution of chlorobenzene in pyridine. 1990 , 41, 6257-6261	12
1267	Electron-spin-lattice relaxation in Yb ³⁺ -doped silicate glass. 1990 , 42, 9794-9801	20
1266	Vibrational dynamics and the structure of glasses. 1990 , 2, 10227-10234	274
1265	Calculation of some metallic glass properties, based on the use of a Gaussian distribution for the nearest-neighbour distance. 1990 , 61, 965-988	13

1264	.	1
1263	Oriental glasses. 1990 , 39, 405-615	677
1262	Structural relaxation in metallic glasses. 1990 , 61, 715-725	18
1261	Theory of metallic glasses. II. Transport and optical properties. 1990 , 42, 10887-10898	15
1260	Soft magnetic materials. 1990 , 78, 947-972	87
1259	Laser-induced irreversible change of the carrier-recombination process in CdSXSe _{1-x} -doped glasses. 1990 , 7, 1198	51
1258	The universality of low frequency Raman scattering from amorphous solids. 1990 , 119, 65-74	23
1257	The model of plane rotators: instant cooling and the "crystal-glass" transition. 1990 , 126, 216-223	1
1256	On the nature of structural relaxation in amorphous As ₂ S ₃ . 1991 , 137-138, 989-992	6
1255	Persistent spectral hole-burning in electronic transitions of different types of lattice defects. 1991 , 119-121, 325-330	3
1254	Transport in ionic conducting glasses. 1991 , 3, 7831-7842	42
1253	Limiting behavior of ac conductivity in ionically conducting crystals and glasses: A new universality. 1991 , 67, 1559-1561	386
1252	Attenuation of longitudinal-acoustic phonons in amorphous SiO ₂ at frequencies up to 440 GHz. 1991 , 44, 4281-4289	141
1251	Heat conductivity of amorphous solids: simulation results on model structures. 1991 , 253, 539-42	70
1250	Measurements for the nonlinear refractive index of a new kind of polymer material doped with chlorophyll using nanosecond laser pulses. 1991 , 16, 548-50	13
1249	Picosecond photon echo experiments using a superconducting accelerator-pumped free-electron laser. 1991 , 8, 1652	3
1248	Are the low-temperature relaxations of glassy ferroelectrics hierarchical?. 1991 , 131-133, 217-220	1
1247	Low-energy excitations from interacting tunneling units in the mean-field approximation. 1991 , 131-133, 225-228	

1246	A solvable microscopic model for very dilute quadrupole glasses. 1991 , 131-133, 313-316	1
1245	Nuclear spin relaxation and atomic motion in inorganic glasses. 1991 , 131-133, 1001-1010	39
1244	ENMR studies of spin-lattice relaxation in glassy and layer-crystalline compounds. 1991 , 131-133, 1053-1062	44
1243	Intrinsic dielectric loss in crystals. 1991 , 40, 719-767	303
1242	Nuclear Spin Relaxation. Nuclear Spin Relaxation and Electrical Conductivity in Lithium Germanate Glasses. 1991 , 95, 1061-1068	22
1241	Microscopic study of $1/f$ noise in metal nanobridges. 1991 , 44, 5800-5817	65
1240	Conductance Fluctuations and $1/f$ Noise Magnitudes in Small Disordered Structures: Theory. 1991 , 30, 107-129	6
1239	Conductance Fluctuations and Low-Frequency Noise in Small Disordered Systems: Experiment. 1991 , 131-171	6
1238	Chapter 4 Magnetic amorphous alloys. 1991 , 289-452	20
1237	Dynamics of Persistent Hole Burning in Organic Glasses and Its Fractal Interpretation. 1991 , 60, 3557-3567	4
1236	Non-Ohmic Microwave Hopping Conductivity. 1991 , 28, 81-123	7
1235	Phonon echoes in a dysprosium-doped glass. 1991 , 80, 961-963	1
1234	Influence of the preparation conditions on the thermal conductivity in metallic glasses. 1991 , 145, 119-122	1
1233	Mori approach to thermal conductivity in disturbed one-dimensional phonon systems. 1991 , 168, 291-305	
1232	Amorphous materials at low temperatures: why are they so similar?. 1991 , 169, 322-327	57
1231	Plateau in temperature dependence of thermal conductivity of glasses due to indirect phonon-phonon interaction. 1991 , 169, 565-566	
1230	Thermal conductivity of $Tl_2Ba_2Ca_2Cu_3O_{10}$ ceramics from 300 K down to 0.1 K. 1991 , 177, 23-26	15
1229	Phonons in disordered anharmonic solids. 1991 , 159, 337-342	5

1228	Phonon-defect interaction: alternative cause for the low temperature anomaly of the thermal conductivity of high T _c superconductors and of amorphous materials. 1991 , 154, 298-304	4
1227	Anharmonic potentials and vibrational localization in glasses. 1991 , 43, 5039-5045	299
1226	Ultrasound propagation in dielectric glasses. 1991 , 85, 93-98	1
1225	Magnetic excitations thermally activated in a gadolinium-doped glass. 1991 , 102, L15-L17	3
1224	Localized low-frequency vibrational modes in glasses. 1991 , 44, 6746-6754	178
1223	Molecular-dynamics simulation of thermal conductivity in amorphous silicon. 1991 , 43, 6573-6580	128
1222	Sound propagation in metallic glasses— new look at the tunneling model. 1991 , 84, 457-465	9
1221	Spectral diffusion in glasses: A photon-echo study of zincporphin in ethanol. 1991 , 181, 312-318	21
1220	Optical dephasing over a wide temperature range in Eu ³⁺ -doped silicate glass. 1991 , 187, 628-632	6
1219	Thermal conductivity of modified epoxy resins with different cross-link densities at low temperatures. 1991 , 31, 228-230	15
1218	Optical dephasing and homogeneous optical bands in crystals and amorphous solids: Dynamic and stochastic approaches. 1991 , 206, 43-97	44
1217	Anomalous low-temperature specific heat in high-T _c superconductors. 1991 , 178, 390-396	3
1216	Influence of conduction electrons on tunneling states in amorphous metals. 1991 , 133, 45-50	6
1215	Optical dephasing of organic glassy systems studied by hole-burning: relation with excited-state lifetimes. 1991 , 180, 387-397	4
1214	Observation of fast time scale spectral diffusion in a low temperature glass: comparison of picosecond photon and stimulated echoes. 1991 , 176, 335-342	37
1213	Probing low temperature glass dynamics by fast generation and detection of optical holes. 1991 , 176, 551-558	34
1212	NMR in metal cluster compounds compared to glasses. 1991 , 20, 333-335	
1211	Low-Temperature Glass Properties from the Energy Spectrum. 1991 , 165, 81-93	3

1210	Influence of structural relaxation on the low-temperature thermal conductivity of ancient natural glasses. 1991 , 84, 19-36	5
1209	Low-temperature transient thermal anomalies in vitreous quartz. 1991 , 83, 195-215	2
1208	Specific heat of disordered and amorphous rare-gas solids: Quench-condensed pure and binary films. 1991 , 84, 237-260	19
1207	Magnetic-Field Effect on the Sound Velocity at Low Temperature in a Dilute Kramers-Ion Glass. 1991 , 14, 349-353	6
1206	Specific heat of amorphous Au _x Sn _{100-x} at low temperatures-electrons and low-energy excitations. 1991 , 3, 2309-2317	5
1205	Specific heat of an epoxy resin below 1 K. 1991 , 62, 2499-2500	8
1204	Uncommon nuclear-spin relaxation in fluorozirconate glasses at low temperatures. 1991 , 43, 7481-7486	46
1203	Localized low-frequency vibrational modes in a simple model glass. 1991 , 66, 636-639	226
1202	On the distribution of reactive barriers in disordered materials. 1991 , 95, 189-194	12
1201	High-temperature photochemical hole burning and laser-induced hole filling in dye-doped polymer systems. 1991 , 94, 80-85	35
1200	Low-energy excitations in amorphous polymers. 1991 , 95, 5332-5340	74
1199	Low-temperature specific heat and thermal conductivity of silica aerogels. 1991 , 66, 1070-1073	21
1198	Dielectric long-time relaxation of amorphous materials at low temperatures. 1991 , 43, 9220-9227	25
1197	Low-frequency Raman-scattering study of the liquid-glass transition in aqueous lithium chloride solutions. 1991 , 44, 6665-6676	87
1196	Pressure dependence of electronic densities of states and superconducting transition temperatures in NiZr glasses. 1991 , 43, 110-118	6
1195	Macroscopic tunneling in Josephson junctions with two-state fluctuators. 1991 , 43, 12900-12905	7
1194	Effect of correlations and disorder on electron states in the Mott-Hubbard insulator V ₂ O ₃ . 1991 , 43, 607-614	40
1193	Nuclear-spin relaxation in ionically conducting glasses: Application of the diffusion-controlled relaxation model. 1991 , 44, 47-59	36

1192	History dependence of a two-level system. 1991 , 43, 3245-3254	9
1191	Numerical analysis of the anomalies in the thermal conductivity of the high-T _c superconductors YBa ₂ Cu ₃ O _{7-x} . 1991 , 43, 11419-11422	4
1190	Low-temperature properties of a dipolar glass: A study of KBr _{1-x} (CN) _x using dielectric echoes. 1991 , 43, 9206-9219	11
1189	Ferromagnetic properties of the degenerate semiconductor Pb _{0.20} Sn _{0.72} Mn _{0.08} Te. 1991 , 43, 11093-11099	9
1188	Frustrated interactions and tunneling: Two-level systems in glasses. 1991 , 67, 2315-2318	69
1187	Ferroelasticity and glass-like behavior in alkali halide-alkali cyanide mixed crystals. 1991 , 34, 225-242	7
1186	. 1992 , 4, L25-L28	
1185	Soft localized vibrations in glasses and undercooled liquids. 1992 , 65, 303-315	42
1184	Glass dynamics probed by the long-lived stimulated photon echo. 1992 , 68, 381-384	62
1183	Local vibrational states of glasses. 1992 , 45, 2490-2492	46
1182	Freezing of two-level systems in glasses in an electric field. 1992 , 46, 762-768	7
1181	Dynamic structure factor for classical motion in one-dimensional potentials. 1992 , 46, 8154-8167	12
1180	Host-structure-dependent non-Lorentzian persistent-hole shapes in organic glasses. 1992 , 46, 10641-10649	3
1179	Dynamics in a low-temperature glass: Fast generation and detection of optical holes. 1992 , 96, 3484-3494	32
1178	Pressure tuning of spectral holes in organic crystalline materials: Irreversible effects. 1992 , 97, 5403-5409	15
1177	Dephasing processes in glasses with strong strain interactions. 1992 , 96, 6902-6910	4
1176	Path-integral Monte Carlo techniques for rotational motion in two dimensions: Quenched, annealed, and no-spin quantum-statistical averages. 1992 , 45, 8968-8971	59
1175	Silicon network structure and ²⁹ Si spin-lattice relaxation in amorphous hydrogenated silicon. 1992 , 45, 9006-9014	7

1174	Theory of the dilute interacting quadrupole glass: Four-orientational tunneling quadrupoles. 1992 , 45, 5209-5216	8
1173	Thermal conductivities of a clathrate with and without guest molecules. 1992 , 45, 2809-2817	21
1172	ac transport in amorphous silicon-nitrogen alloys. 1992 , 72, 2889-2894	2
1171	Logarithmic temperature dependence of resistivity in heavily doped conducting polymers at low temperature. 1992 , 69, 660-663	130
1170	Perturbational approach to glasslike low-energy excitations in interacting tunneling dipoles and quadrupoles. 1992 , 46, 8147-8153	8
1169	H ₂ -Octaethylporphin in Amorphous Polystyrene Matrix: Spectral Hole Burning and Spectral Diffusion. 1992 , 217, 113-118	
1168	Energy transport in disordered oscillatory systems. 1992 , 65, 273-287	15
1167	Thermal Conductivity. 1992 , 43-73	
1166	Heat Capacity. 1992 , 3-42	1
1165	Low-temperature specific heat of C ₆₀ . 1992 , 68, 2046-2049	99
1164	Interstitialcy model for condensed matter states of face-centered-cubic metals. 1992 , 68, 974-977	263
1163	.	1
1162	Dynamic properties of silica aerogels as deduced from specific-heat and thermal-conductivity measurements. 1992 , 45, 10363-10376	40
1161	.	
1160	Stimulated-photon-echo spectroscopy. I. Spectral diffusion in Eu ³⁺ :YAlO ₃ . 1992 , 45, 12752-12759	21
1159	Theory of orientational glasses models, concepts, simulations. 1992 , 41, 547-627	223
1158	Interaction of soft modes and sound waves in glasses. 1992 , 46, 2798-2808	363
1157	Coherent tunneling states in glasses. 1992 , 146, 90-96	1

1156	Temperature dependences of the third-order elastic constants and acoustic mode vibrational anharmonicity of vitreous silica. 1992 , 143, 65-74	13
1155	Low frequency light scattering on $(\text{AgI})_x(\text{AgPO}_3)_{1-x}$ superionic glasses. 1992 , 143, 274-281	6
1154	Temperature dependence of the isostructural heat capacity of a soda lime silicate glass. 1992 , 139, 239-247	20
1153	^7Li and ^{11}B nuclear spin lattice relaxation in $\text{B}_2\text{O}_3 + 0.7\text{Li}_2\text{O} + \text{XLiCl}$ glassy fast ionic conductors. 1992 , 139, 257-267	34
1152	Phonons in Disordered Anharmonic Solids. 1992 , 230-237	
1151	Elementary excitations in a diluted antiferromagnetic Kagom' lattice. 1992 , 45, 2505-2508	95
1150	A Green functions approach to the orientational behaviour of pairs of coupled two-level tunnelling units. 1992 , 25, 3065-3075	10
1149	Frequency dependence of spectral diffusion in hole-burning systems: resonant effects of infrared radiation. 1992 , 9, 715	7
1148	Mechanism of nonphotochemical hole burning: Cresyl Violet in polyvinyl alcohol films. 1992 , 9, 724	64
1147	Dispersive kinetics of nonphotochemical hole burning and spontaneous hole filling: Cresyl Violet in polyvinyl films. 1992 , 9, 733	26
1146	Optical spectra and kinetics of single impurity molecules in a polymer: spectral diffusion and persistent spectral hole burning. 1992 , 9, 829	92
1145	Two-level-system dynamics in doped polymer glasses below 1 K: hole burning as an optical analog to heat-release experiments. 1992 , 9, 925	17
1144	Permanent hole burning with a diode laser: excited-state dynamics of bacteriochlorophyll in glasses and micelles. 1992 , 9, 931	26
1143	Soft configurations and anomalous properties of non-metallic glasses. 1992 , 149, 1-4	3
1142	Atomic low-energy dynamics in glasses. 1992 , 150, 212-215	2
1141	Molecular computer memory. 1992 , 355, 297-298	3
1140	Optical modification of a single impurity molecule in a solid. 1992 , 355, 335-337	135
1139	Luminescence line narrowing and persistent hole burning in organic materials: principles and new results. 1992 , 62, 321-332	17

1138	NMR studies of superionic conductors. 1992 , 24, 527-552	81
1137	Chiral and dipolar centres in inorganic glass formers. Anisotropy and gyrotropy in glass. 1992 , 83, 761-764	16
1136	On heat conductivity of amorphous substances in terms of free volume modelling (jump-like heat conductivity). 1992 , 82, 919-921	3
1135	Low energy excitations in amorphous polystyrene. 1992 , 180-181, 814-816	13
1134	Thermal transport in fractal systems. 1992 , 191, 328-334	3
1133	Optically induced organization in glasses β second harmonic generation. 1992 , 93, 339-342	1
1132	Low-temperature dynamics in an ethanol glass studied by the long-lived stimulated photon echo. 1992 , 53, 80-83	12
1131	Low temperature ultrasonic properties of vapour condensed films of argon-xenon mixtures. 1992 , 86, 217-223	8
1130	Low-temperature specific heat of orientational glasses. 1992 , 87, 213-217	6
1129	Calculation of the thermal conductivity and the specific heat of the lattice for a spin-boson system at low temperatures. 1992 , 88, 215-222	
1128	Inelastic light scattering in strontium borate glasses in the system $x\text{SrO} \cdot (1-x)\text{B}_2\text{O}_3$ and $(\text{SrCl}_2)_y \cdot [x\text{SrO} \cdot (1-x)\text{B}_2\text{O}_3]_{1-y}$. 1992 , 39, 597-614	1
1127	Vibrational transport in disordered systems. 1992 , 65, 289-301	34
1126	Thermally activated relaxation processes in vitreous silica: An investigation by Brillouin scattering at high pressures. 1992 , 45, 2750-2760	132
1125	Measurements of the ultrasonic attenuation and velocity variation in neutron irradiated quartz for an intermediate dose of 2.6×10^{19} n/cm ² . 1992 , 65, 223-227	4
1124	Ultrafast optical dephasing in solids. 1992 , 198, 531-537	4
1123	Fractal interpretation of non-Lorentzian persistent hole shapes in organic glasses. 1992 , 189, 193-196	4
1122	Hole-burning in dye-doped rare-gas matrices. 1992 , 197, 175-180	11
1121	Vibrational analysis of the dispersed fluorescence from single molecules of terylene in polyethylene. 1993 , 213, 325-332	62

1120	Spectral diffusion in organic glasses. Temperature dependence of permanent and transient holes. 1993 , 206, 1-8	36
1119	Non-Lorentzian hole-burning line shapes in dye-surface systems. 1993 , 204, 157-162	2
1118	Origin of the T1.3 power law of pure dephasing for impurity electronic transitions in amorphous solids. 1993 , 207, 436-442	22
1117	A new methodology for production of hyperquenched glassy films and their study by nonphotochemical hole burning. 1993 , 207, 443-449	10
1116	On microscopic features of atomic soft configurations in glasses. 1993 , 182, 439-444	1
1115	Spontaneous fluctuations of variable-range hopping current in amorphous silicon microstructures. 1993 , 179, 131-134	8
1114	Effect of tunneling systems on impurity homogeneous optical bands in amorphous solids. 1993 , 176, 135-153	8
1113	Thermal characteristics of amorphous solids at low temperatures. 1993 , 58, 45-64	3
1112	Random telegraph signals from liquid helium to room temperature. 1993 , 22, 163-170	10
1111	Vibrational anomalies and phonon localization in glasses. 1993 , 86, 597-603	44
1110	The density of low energy states in vitreous silica: Specific heat and thermal conductivity down to 25 mK. 1993 , 88, 1023-1027	1
1109	Specific heat of fullerenes extract. 1993 , 85, 73-75	21
1108	Spectral diffusion and individual two-level systems probed by fluorescence of single terrylene molecules in a polyethylene matrix. 1993 , 56, 15-28	139
1107	Spectral hole-burning study of squaraine dyes in polymer films. 1993 , 56, 61-69	10
1106	Structural relaxation in dye-surface systems: spectral diffusion and thermal recovery of spectral holes burnt into chemi- and physisorbed dye molecules. 1993 , 56, 117-124	6
1105	Temperature cycling of persistent hole spectra: a method for investigating the TLS density in amorphous materials. 1993 , 56, 165-173	19
1104	Dynamical theory for optical coherent transients in solids: fast and ultrafast optical dephasing. 1993 , 56, 197-208	6
1103	Low temperature optical spectroscopy of natural porphyrins. 1993 , 293, 177-180	1

1102	Soft modes in undercooled liquids. 1993 , 296, 275-283	7
1101	Soft phonons in glasses. 1993 , 201, 14-24	40
1100	Transport anomalies in glasses. 1993 , 200, 80-94	14
1099	Nature of the constant-loss dielectric response of various crystals and glasses. 1993 , 56, 8-14	40
1098	Effective Phonon Coupling in Tunneling System. 1993 , 177, 335-343	3
1097	The Density of Tunneling and Vibrational States of Glasses within the Soft-Potential Model. 1993 , 135, 477-492	36
1096	Investigation of dispersive kinetics of spectral hole burning. 1993 , 14, 1-15	1
1095	Analysis of the low-temperature specific heat of amorphous As _x Se _{1-x} within the soft-potential model. 1993 , 93, 57-62	12
1094	Analytic constant thermodynamic speed-cooling strategies in simulated annealing. 1993 , 2, 1-12	3
1093	Thermal conductivity and localization in glasses: Numerical study of a model of amorphous silicon. 1993 , 48, 12589-12602	244
1092	Optical studies of single terrylene molecules in polyethylene. 1993 , 56, 1-14	62
1091	Nanosecond spectral diffusion and optical dephasing in organic glasses over a wide temperature range: incoherent photon echo study of resorufin in D- and D6-ethanol. 1993 , 56, 181-196	8
1090	Neutron scattering and specific heat study of AlGe and AlSi alloys quenched under high pressure. 1993 , 5, 4737-4748	4
1089	NMR study of the electronic properties of Al ₇ Cu ₂ Fe and Al ₇ Cu ₂ Ru quasicrystals. 1993 , 153-154, 347-352	15
1088	A discussion of phason hopping in icosahedral AlFeCu quasicrystals. 1993 , 153-154, 557-561	8
1087	New results of spin-lattice relaxation in a-Si:H by pulsed ESR. 1993 , 164-166, 223-226	7
1086	Phonon localization and transport in disordered systems. 1993 , 164-166, 917-922	17
1085	Specific heat and thermal conductivity of solid fullerenes. 1993 , 259, 1145-8	84

1084	Quantum thermodynamics of defects in solids. 1993 , 70, 2774-2777	5
1083	Nuclear-magnetic-resonance relaxation in glassy Cu-As-Se and Cu-As-S. 1993 , 47, 4990-5001	7
1082	Disorder-induced flicker noise in high-Tc rf superconducting quantum magnetometers. 1993 , 73, 4054-4060	4
1081	Low-frequency excitations in sodium beta -alumina: An NMR study. 1993 , 47, 681-685	14
1080	Glasslike thermal transport in heavily irradiated diamond. 1993 , 48, 3037-3041	10
1079	Low-temperature specific heat and thermal conductivity of glasses. 1993 , 70, 182-185	160
1078	Low temperature electrical conductivity of highly conducting iodine doped polyacetylene. 1993 , 57, 4888-4893	
1077	Advances in High-Resolution Laser Spectroscopy of Coordination Compounds. 1993 , 14, 323-347	22
1076	Dielectric properties of lead-scandium-niobate and strontium-barium-niobate at millikelvin temperatures. 1993 , 16, 87-94	3
1075	Chapter 106 Thermal conductivity of rare earth compounds. 1993 , 16, 107-224	3
1074	Heat capacities of helium in one- and three-dimensional channels at low temperatures. 1993 , 5, 1619-1632	6
1073	Tunnelling States in Quasi-Crystals. 1993 , 22, 187-192	35
1072	Time-Dependent Specific Heat in Vitreous Silica Using Diffusivity Measurement. 1993 , 32, 2220-2222	
1071	Mode densities of defect lines in two-dimensional Montroll-Potts lattices. 1993 , 5, 33-56	1
1070	Heat capacity and thermal conductivity of LiCl.7H2O. 1993 , 5, 4007-4012	
1069	Structural stabilization, linear conductances, and pseudogaps in compartmentalized solids, liquids, and glasses. 1993 , 47, 7747-7759	9
1068	Acoustic study of tunneling states in Kramers-ion-doped glasses: Wave propagation and phonon echoes. 1993 , 48, 12842-12852	8
1067	Temperature dependence of interactions in diluted magnetic semiconductors. 1993 , 48, 951-956	8

1066	Thermal conductivity of a granular superconductor. 1993 , 48, 4188-4191	9
1065	Magnetic aftereffect in the amorphous alloys Fe _{90-x} CoxZr ₁₀ . 1993 , 48, 15829-15834	2
1064	Quasilocalized sound excitations in disordered systems. 1993 , 48, 12539-12549	7
1063	Low-frequency vibrational states in Spectrosil-WF. 1993 , 48, 13512-13517	14
1062	Defect interactions in metallic glasses: Acoustic probes. 1993 , 48, 142-148	4
1061	Spectral diffusion of molecular electronic transitions in amorphous solids: Weak and strong two-level-system phonon coupling. 1993 , 47, 14805-14812	18
1060	Low-energy excitation and fast motion near T _g in amorphous cis-1,4-polybutadiene. 1993 , 98, 8262-8270	54
1059	Structural disorder and spin-lattice relaxation. 1993 , 99, 605-609	6
1058	Low-temperature specific heat of Zr-Rh-Pd metallic glasses. 1993 , 48, 15666-15671	6
1057	Theory of low-energy Raman scattering in glasses. 1993 , 48, 16318-16331	129
1056	Temperature dependence of optical linewidths and specific heat of rare-earth-doped silicate glasses. 1993 , 71, 3031-3034	28
1055	Pressure-induced transformations in glasses. 1993 , 48, 6941-6948	42
1054	Nonlinear magnetic susceptibility in a Kramers-ion doped glass. 1993 , 71, 4063-4066	18
1053	Continuous-wave and pulsed-EPR study of the ⁶⁵ Cu ²⁺ -doped NaOD-water system in the amorphous and polycrystalline phases. 1993 , 48, 13474-13480	11
1052	Low-temperature thermal properties of amorphous As _x Se _{1-x} . 1993 , 48, 13486-13494	15
1051	Phonon localization in two-dimensional self-supported films. 1993 , 48, 12151-12154	5
1050	Heat release in glasses at low temperatures. 1993 , 47, 5677-5688	37
1049	Normal solutions for master equations with time-dependent transition rates: Application to heating processes. 1993 , 47, 1541-1545	14

1048	Probing individual two-level systems in a polymer by correlation of single molecule fluorescence. 1993 , 70, 3584-3587	138
1047	Dissipative tunneling in two-state systems at the Si/SiO ₂ interface. 1993 , 71, 4230-4233	12
1046	Microscopic description of tunneling systems in a structural model glass. 1993 , 70, 3911-3914	109
1045	Effect of adsorption of ³ He and ⁴ He on the low-temperature ultrasonic properties of porous Vycor. 1993 , 48, 6293-6301	12
1044	Glasslike low-energy excitations from pairs of interacting tunneling dipoles and quadrupoles: Exact solutions. 1993 , 47, 11097-11106	6
1043	Disordered states in a generalized Potts model with uniform nonfrustrated couplings. 1993 , 47, 14177-14186	3
1042	Detailed balance in single-charge traps. 1993 , 47, 9997-10000	18
1041	Microscopic estimation of the deformation potential in a structural model glass. 1993 , 48, 9411-9417	19
1040	Low-temperature acoustic properties of metallic glasses. 1993 , 47, 4922-4936	12
1039	Spectral Hole Burning: A Window on Excited State Electronic Structure, Heterogeneity, Electron-Phonon Coupling, and Transport Dynamics of Photosynthetic Units. 1993 , 133-177	18
1038	Soft potential model and universal properties of glasses. 1993 , T49A, 180-185	29
1037	New developments in the theory of the hopping conductivity of spatially random systems. 1994 , 6, 1239-1252	15
1036	Magnetic Study of Metal-Insulator-Metal Transitions in (DMe-DCNQI- Π -d ₂) ₂ Cu. 1994 , 63, 429-432	29
1035	Hopping conduction and resonant tunnelling in amorphous silicon microstructures. 1994 , 6, 2583-2594	7
1034	Two Distinct Classes of Tunnelling States in CN - -Doped KBr. 1994 , 26, 289-294	14
1033	Relaxation due to Incoherent Tunnelling in Dielectric Glasses. 1994 , 27, 457-462	16
1032	Ohmic Dissipation of Tunnelling in Dielectric Glasses at Low Temperature. 1994 , 28, 597-602	7
1031	Telegraph Resistance Noise of Tunnel Junctions: Role of Inelastic Tunnelling. 1994 , 25, 687-692	2

1030	Low temperature dynamics in amorphous solids: A photon echo study. 1994 , 101, 6927-6943	52
1029	Thermal conductivity of densified a-SiO ₂ from 15 K to room temperature. 1994 , 50, 6053-6056	27
1028	Two-level tunneling states and the constant density of states in quadrupolar glasses. 1994 , 49, 12703-12717	14
1027	Two-level systems and excited-state transitions in fluorite mixed crystals and silica glass. 1994 , 73, 3105-3108	23
1026	Thermal transport in silicate glasses. I. Localized phonons. 1994 , 49, 257-264	14
1025	Symmetry-breaking transition in a two-level system coupled to an Ohmic bath: A squeezed-state approach. 1994 , 49, 3604-3607	9
1024	Luminescence of the Cr ³⁺ ion in sodium beta - and beta "-alumina: Site selection by time-resolved fluorescence line narrowing. 1994 , 49, 6501-6514	1
1023	Hopping theory of heat transport in disordered systems. 1994 , 50, 12509-12519	17
1022	Role of excited states in the low-temperature dynamics of tunneling centers in metals: The orbital Kondo effect. 1994 , 50, 932-943	21
1021	Nonequilibrium state and lattice instability in supersaturated aluminum silicon solid solutions. 1994 , 49, 961-968	22
1020	Interactions of soft atomic potentials and universality of low-temperature properties of glasses. 1994 , 49, 9400-9418	115
1019	Theory of tunneling centers in metallic systems: Role of excited states and orbital Kondo effect. 1994 , 72, 542-545	49
1018	Time-dependent resistance relaxation in carbon and RuO ₂ based thermometers. 1994 , 65, 3804-3808	3
1017	Tunneling in real structural glasses: A universal theory. 1994 , 49, 1441-1444	23
1016	Small-bipolaron hopping conductivity in chalcogenide glasses. 1994 , 50, 11556-11563	1
1015	Correspondence between nuclear-spin relaxation and electrical conductivity in glasses at low temperatures. 1994 , 49, 629-632	22
1014	Dynamics of two-level systems in glasses. 1994 , 50, 15628-15631	
1013	The polycluster concept of amorphous solids. 1994 , 209-255	20

1012	Low temperature ac dielectric response of glasses to high dc electric fields. 1994 , 73, 268-271	68
1011	Thermal conductivity of impurity-doped high-Tc superconductors. 1994 , 50, 6375-6381	17
1010	Temperature dependence of the homogeneous width of Eu ³⁺ spectral lines in silicate glass measured by accumulated photon echoes. 1994 , 50, 9031-9034	20
1009	Low-temperature specific heats of lanthanum and yttrium phosphate glasses. 1994 , 16, 1277-1284	6
1008	Low temperatures lattice thermal conductivity on non-crystalline polymers. 1994 , 41, 1031-1040	
1007	Contrasting effects of lanthanum and samarium modifiers on the elastic and non-linear acoustic properties of phosphate glasses. 1994 , 29, 562-568	4
1006	Low-temperature dynamics in glasses and the stochastic sudden-jump model. 1994 , 218, 445-453	48
1005	Thermal recovery of spectral holes of dye molecules in polymer films. Site distribution in two-level systems. 1994 , 223, 190-196	7
1004	Spectral diffusion induced by the spatial motion of point perturbers. 1994 , 230, 429-436	4
1003	Low frequency acoustic and dielectric measurements on glasses. 1994 , 506, 315-335	52
1002	The low energy collective excitations in dielectric glasses. The attenuation of sound waves at ultra low temperatures. 1994 , 194-196, 393-394	5
1001	Low temperature time and electric field dependence of the dielectric constant in amorphous materials. 1994 , 194-196, 407-408	4
1000	Ultrasound absorption of Au _x Sn _{1-x} films. 1994 , 194-196, 425-426	
999	Mode densities of defect lines in three-dimensional Montroll-Potts lattices. 1994 , 210, 1-23	2
998	Classical relaxation in a double well. 1994 , 209, 410-421	6
997	Quantitative analysis of wavelength and temperature dependence of laser-induced hole filling in photochemical hole-burning. 1994 , 183, 135-146	4
996	Lattice condensations in chained polymers. 1994 , 91, 387-392	2
995	Thermal conductivity of superconducting La _{2-x} Sr _x CuO ₄ and semiconducting Gd _{2-x} Sr _x CuO ₄ at high temperature. 1994 , 55, 479-486	3

994	Low temperature A.C. conductivity of oxide glasses. 1994 , 55, 1433-1443	76
993	Hole burning studies of Pr 3+ -doped fluoride and chalcogenide glasses. 1994 , 60-61, 208-211	2
992	Temperature dependence of optical line widths and specific heat of rare-earth-doped silicate glasses. 1994 , 58, 180-183	3
991	Calculation of the temperature dependence of the thermal emf in amorphous alloys $CaxAl_{1-x}$ and $AuxNi_{1-x}$. 1994 , 37, 736-740	
990	Mode-coupling theory for relaxation of coupled two-level systems. 1994 , 94, 173-186	23
989	Glasslike elastic properties in the alloys. 1994 , 93, 479-490	23
988	Nonlinear acoustic response of amorphous metals in the tunneling model. 1994 , 94, 447-459	13
987	Dynamics of a coupled pair of two-level tunnelling systems. 1994 , 94, 341-346	13
986	Magnetic behavior of the spin glass state in $CdCr_2xIn_{2-2x}Se_4$ thin films. 1994 , 133, 484-486	
985	Ultrasonic study of the tunneling states in quartz amorphized by neutron irradiation. 1994 , 91, 346-349	4
984	Ultrasonic attenuation of tellurite glasses. 1994 , 37, 197-200	50
983	On the theory of the dynamics of hydrogen bonds coupled with a bath. Part I. 1994 , 314, 133-154	2
982	Mode-coupling theory for the dynamics of tunnelling systems in dielectrics. 1994 , 95, 385-395	12
981	Reassessment of millimetre-wave absorption coefficients in interstellar silicate grains. 1994 , 372, 243-245	28
980	Optical dephasing of organic dye molecules doped in cross-linked polyvinyl alcohol derivatives: Incoherent photon echo and hole-burning studies. 1994 , 100, 3442-3454	15
979	Low-temperature dynamics of inorganic glasses Electrical conductivity against nuclear spin relaxation. 1994 , 70, 1045-1061	16
978	Propagating and localized vibrational modes in Ni-Zr glasses. 1994 , 6, 4631-4654	34
977	Photon-echo spectroscopy on biological systems I Application to tissues. 1994 , 11, 1456	5

976	Statistical and percolation effects on ionic conduction in amorphous systems. 1994 , 175, 59-70	23
975	The low frequency Raman spectrum of lithium phenyl stearate and its relevance to polystyrene. 1994 , 167, 205-210	2
974	Low energy excitation and fast motion near Tg in amorphous polymers. 1994 , 172-174, 327-335	20
973	Secondary relaxations and the constant density of states in quadrupolar glasses. 1994 , 172-174, 531-537	
972	Nature of the ac conductivity of ionically conducting crystals and glasses. 1994 , 172-174, 1243-1251	134
971	Study of low-frequency excitations in disordered solids by nuclear magnetic resonance and electrical conductivity. 1994 , 172-174, 1277-1284	17
970	Anisotropic tunneling states in neutron irradiated quartz?. 1994 , 179, 135-137	
969	Low energy excitations in amorphous materials: acoustic experiments and comparison with theoretical models. 1994 , 211-212, 321-326	1
968	Internal friction and sound velocity of polycrystalline metals at very low temperatures. 1994 , 211-212, 27-32	16
967	Nonequilibrium phonon transport in amorphous layers. 1994 , 50, 6032-6046	13
966	Study of Neutron-Irradiated Quartz Upon Heat Treatment: A Relation Between Tunneling States and Microtwins?. 1994 , 373, 323	
965	Time-domain measurements of spin relaxation processes of dangling-bond defects in hydrogenated amorphous silicon. 1994 , 69, 263-275	20
964	Brillouin scattering of vitreous silica under high pressure. 1995 , 507, 91-98	6
963	A relationship between the kinetics of persistent spectral hole burning and its mechanism. Experiments with porphyrin dications. 1995 , 236, 438-444	9
962	High-pressure low-temperature optical dephasing of rhodamine 101 in PMMA. 1995 , 237, 380-386	16
961	Photoinduced electron transfer process probed by persistent spectral hole burning spectroscopy. The effect of the acceptor on non-photochemical hole burning. 1995 , 243, 297-301	4
960	Hahn echo experiments on a single triplet electron spin. 1995 , 245, 262-267	20
959	An interpretation of the low-energy excitations of Pd79Ge21 alloy glass within the soft-potential model. 1995 , 213-214, 538-540	3

- 958 Dipole gap effects in low energy excitation spectrum of amorphous solids. Theory for dielectric relaxation. **1995**, 100, 309-337 71
- 957 Low temperature heat release, sound velocity and attenuation, specific heat and thermal conductivity in polymers. **1995**, 98, 517-547 38
- 956 Recent Results of Single-Molecule Spectroscopy in Solids. **1995**, 189, 11-36 36
- 955 Transition frequency and temperature dependences of homogeneous width of Nd³⁺ ion in silicate glass. **1995**, 119, 545-551 4
- 954 Homogeneous width of Eu³⁺ in silicate glass fiber measured by accumulated photon echoes. **1995**, 64, 33-37
- 953 The effect of pressure, time and concentration in hole-burning studies. **1995**, 64, 55-61 13
- 952 Optical addressing and switching of water molecules in hole-burning systems: a TLS model system. **1995**, 64, 63-67 12
- 951 Equilibrium and nonequilibrium tunneling dynamics and spectral diffusion in the millikelvin regime. **1995**, 64, 87-93 21
- 950 Low temperature properties of glasses: a preliminary study of double well potentials microscopic structure. **1995**, 64, 95-100 25
- 949 Thermally activated barrier crossing and hole-filling in donor-acceptor electron transfer systems. **1995**, 64, 131-134
- 948 Spectral diffusion induced by energy transfer and high-pressure effects in doped organic glasses: A hole-burning study. **1995**, 66-67, 1-7 3
- 947 Low temperature heat capacities of zirconia and yttria-doped zirconia (ZrO₂)_{1-x}(Y₂O₃)_x (x = 0, 0.0200, 0.0396). **1995**, 267, 415-420 10
- 946 Ultrasonic velocity and attenuation in glass. **1995**, 18, 61-73 1
- 945 Cryogenic properties of polymers. **1995**, 20, 585-613 52
- 944 Thin films of CdCr₂In₂-2Se₄ obtained from a multilayer structure of Cr/CdCrInSe/Cr. **1995**, 140-144, 2025-2026
- 943 Instantaneous normal modes and the glass transition. **1995**, 74, 936-939 95
- 942 Low-temperature specific heat of compacted vitreous silica. **1995**, 99, 49-55 19
- 941 A stochastic theory of inhomogeneously broadened linewidths in solids. **1995**, 103, 4829-4833 1

940	Helium atoms in zeolite cages: Novel Mott-Hubbard and Bose-Hubbard systems. 1995 , 75, 473-476	11
939	Acoustic properties of oxide glasses at low temperatures. 1995 , 52, 7179-7194	62
938	Tunneling systems in polycrystalline metals: Absence of electron-assisted relaxation. 1995 , 51, 11424-11432	18
937	Registered state and a two-dimensional Bose liquid of 4He in mesopores of hectorite. 1995 , 52, 1167-1175	26
936	Real time observation of low-temperature protein motions. 1995 , 74, 2138-2141	59
935	Echoes of Magnetic Tunneling States in Kramers-Ion Doped Glasses. 1995 , 74, 3459-3462	13
934	Strongly correlated spin-phonon systems: A scenario for heavy fermions. 1995 , 51, 11446-11462	19
933	Dielectric echo experiments on (KBr) $_{1-x}$ (KCN) $_x$. 1995 , 51, 811-824	14
932	Low-temperature behavior of a generalized two-level system: Exact results in the large-flavor-number limit. 1995 , 51, 273-282	12
931	Kondo scattering from atomic two-level tunneling systems in metals: Enhanced conductance, critical-bias transitions, and the non-Fermi-liquid electronic state. 1995 , 51, 3554-3568	43
930	Low-temperature thermal conductivity of icosahedral Al ₇₀ Mn ₉ Pd ₂₁ . 1995 , 51, 153-158	76
929	Nondissipative fluctuator splitting renormalization and its magnetic field tuning. 1995 , 52, 12705-12707	
928	Temperature dependence of persistent infrared spectral holes for SeH molecules in the GeAsSe glass series. 1995 , 102, 3077-3088	3
927	The low-temperature dynamics of rhodamine 640 in polyvinylalcohol. 1995 , 103, 9510-9511	3
926	Homogeneous vibrational dynamics and inhomogeneous broadening in glass-forming liquids: Infrared photon echo experiments from room temperature to 10 K. 1995 , 103, 2810-2826	159
925	Nonlinear acoustic response of glasses in the tunneling model. 1995 , 51, 2835-2843	25
924	Two-level systems in myoglobin probed by non-Lorentzian hole broadening in a temperature-cycling experiment. 1995 , 74, 4349-4352	15
923	Origin of the tunneling states in SiO ₂ . 1995 , 51, 8158-8163	23

922	Optical detection of electric two level system dipoles in a polymeric glass. 1995 , 74, 5252-5255	27
921	Tunneling States in Crystals with Large Random Strains. 1995 , 75, 1965-1968	40
920	Nonexponentiality and thermal variation of nuclear relaxation in glasses. 1995 , 51, 11344-11347	7
919	Low-temperature glasslike properties in $(\text{NaCl})_{1-x}(\text{NaCN})_x$. 1995 , 51, 8086-8101	15
918	Induced changes in the distribution of the tunneling states. 1995 , 51, 8602-8605	9
917	Flicker noise induced by dynamic impurities in a quantum point contact. 1995 , 52, 5082-5091	12
916	Disorder-induced light scattering in solids: The origin of the Boson peak in glasses. 1995 , 71, 761-769	35
915	Thermal conductivity measurements on $(\text{Pb}_{1-x}\text{Ba}_x)(\text{Sc}_{0.5}\text{Nb}_{0.5})\text{O}_3$. 1995 , 168, 9-16	4
914	ELECTRONIC STRUCTURE CALCULATIONS IN MAGNETIC METALLIC GLASSES. 1995 , 85-141	2
913	Noise in a quantum point contact due to a fluctuating impurity configuration. 1995 , 7, 7239-7252	6
912	On the Linear Temperature Dependence of the Sound Velocity of Polycrystalline Metals above 1 K. 1995 , 31, 13-18	7
911	An Anomalous Homogeneous Linewidth of Optical Transitions due to Incoherent Tunnelling in Glasses. 1995 , 29, 561-566	6
910	Specific heat and low-energy excitations of samarium phosphate glasses. 1995 , 71, 539-545	12
909	Ultrasonic attenuation measurements in neutron-irradiated quartz: The influence of heat treatment for a dose of 4.7×10^{19} N/CM ² . 1995 , 137, 169-172	1
908	Inherent structure switching patterns for glass-forming liquids. 1995 , 4, 383-385	2
907	Thermal conductivity and heat capacity study of a densified α -SiO ₂ . 1995 , 185, 262-267	4
906	Nuclear spin relaxation in alumino-silicate aerogels. 1995 , 188, 220-225	
905	Temperature-dependent optical dephasing in sol-gel glasses: Photon echo measurements of rhodamine 101 and quinizarin doped aluminosilica xerogels. 1995 , 103, 9880-9883	0

904	Structural relaxation of Zr ₇₀ Be ₃₀ and Zr ₆₇ Cu ₃₃ metallic glasses: low-energy vibrational modes, electron spectrum and superconductivity. 1995 , 181, 244-250	6
903	Glasslike behaviour of ferroelectrics at low temperatures. 1995 , 168, 25-37	8
902	Glassy properties of the relaxor ferroelectric strontium barium niobate at low temperatures. 1996 , 59, 189-223	11
901	Low-Temperature Thermodynamic and Thermal-Transport Properties of Decagonal Al ₆₅ Cu ₂₀ Co ₁₅ . 1996 , 77, 1071-1074	33
900	Electron states in a nearly ideal random-network model of amorphous SiO ₂ glass. 1996 , 54, 5299-5308	25
899	Spectral Dynamics of Individual Molecules in Glasses and Crystals. 1996 , 29, 579-584	32
898	Vibrational Echo Studies of Myoglobin- CO . 1996 , 100, 15620-15629	57
897	Studying the energy hypersurface of continuous systems - the threshold algorithm. 1996 , 8, 143-156	81
896	Thermodynamic basis for the inevitability of low-temperature glass properties anomalies. 1996 , 196, 352-356	3
895	Thermal conductivity of GeO ₂ ?SiO ₂ and TiO ₂ ?SiO ₂ mixed glasses. 1996 , 202, 88-92	15
894	Vibrational spectrum and temperature behavior of thermal conductivity and specific heat in amorphous dielectrics. 1996 , 202, 128-136	8
893	Mm-wave absorption by two level systems in mesoscopic amorphous grains. 1996 , 203, 37-42	2
892	Glass-like properties observed in low-frequency Raman scattering of mixed fluorite crystals. 1996 , 203, 153-158	26
891	Far-infrared evidence for glass-like properties exhibited by crystals of CaF ₂ doped with YF ₃ . 1996 , 203, 165-171	3
890	Entropy of calcium and magnesium aluminosilicate glasses. 1996 , 128, 113-128	20
889	Structure and magnetism of hydronium jarosite, a model Kagom'antiferromagnet. 1996 , 92, 2161-2166	87
888	Temperature dependence of the total dynamic structure factor of the metallic glass Ni ₃₃ Zr ₆₇ . 1996 , 205-207, 592-596	8
887	Thermal transport in a glassy polymer after being compressed at high pressure. 1996 , 204, 158-163	

886	The role of the Raman coupling coefficient in an inelastic light scattering process in amorphous solids. 1996 , 208, 81-88	2
885	Low-frequency vibrations in a model glass. 1996 , 53, 11469-11480	134
884	Quantum dynamical tunneling suppression by a laser field. 1996 , 76, 3297-3299	23
883	On the Distribution of Single Molecule Line Widths in Low-Temperature Glasses. 1996 , 291, 73-80	4
882	Some Comments on the Nature of Universal Properties in Low-Temperature Glasses. 1996 , 291, 65-72	1
881	Influence of tunneling on the acoustic properties of solids. 1996 , T66, 196-200	1
880	Pulsed ESR Study of the Conduction Electron Spin Center in β -Si:H. 1996 , 452, 821	16
879	Time and temperature dependence of optical linewidths in glasses at low temperature: Spectral diffusion. 1996 , 105, 901-909	49
878	Geometrical frustration in magnetism. 1996 , 46, 3247-3254	14
877	Coherent echoes in glasses and crystals with point defects. 1996 , 46, 3287-3294	14
876	Interactions between active defects in glasses at low temperatures. 1996 , 46, 3295-3302	9
875	Phonon-phonon interactions in silicon. 1996 , 46, 2225-2226	3
874	Decay of spontaneous echoes in glasses. 1996 , 46, 2247-2248	7
873	Low-temperature thermal properties of amorphous polycarbonat. 1996 , 46, 2249-2250	3
872	Dielectric response of two level systems to strain fields at low temperatures. 1996 , 46, 2265-2266	2
871	Dipole gap effects in low energy excitation spectrum of amorphous solids. Theory for dielectric relaxation. 1996 , 46, 2269-2270	1
870	On the nature of the universal properties of amorphous solids. 1996 , 46, 2273-2274	
869	Quantum diffusion of hydrogen. 1996 , 19, 15-28	2

868	Ultrasonic attenuation measurements in neutron-irradiated quartz: a microscopic model for the tunneling states. 1996 , 116, 511-515	1
867	Sound amplification by stimulated emission of phonons using two-level systems in glasses. 1996 , 219-220, 235-238	11
866	Anomalous dielectric properties of amorphous solids at low temperatures. 1996 , 219-220, 243-246	
865	Acoustic properties of glasses and polycrystals at very low temperatures. 1996 , 219-220, 247-250	4
864	Enhanced heat capacity of amorphous helium films. 1996 , 219-220, 650-652	1
863	Localized high-frequency phonons in amorphous materials. 1996 , 219-220, 228-230	1
862	Low-temperature anomalies of glasses: What can we learn from computer simulations?. 1996 , 219-220, 255-257	2
861	Experimental evidence for rotated tetrahedra as tunneling states in neutron-irradiated quartz. 1996 , 219-220, 258-260	
860	Interstitial resonance modes as a source of the boson peak in glasses and liquids. 1996 , 219-220, 270-272	34
859	Wave-like and diffusive heat transport in a-SiO ₂ below 1 K. 1996 , 219-220, 302-304	2
858	Low-temperature thermal conductivity of vitreous silica under high pressure. 1996 , 219-220, 308-310	2
857	Thermal transport in densified amorphous solids. 1996 , 219-220, 317-319	2
856	On the nature of the universal properties of amorphous solids. 1996 , 215, 191-196	20
855	Dephasing and diffusional linewidths in spectra of doped amorphous solids: Comparison of photon echo and single molecule spectroscopy data for terrylene in polyethylene. 1996 , 209, 101-110	18
854	Elastic properties of amorphous and crystalline ice films. 1996 , 44, 937-944	31
853	On separation of diffusive broadening and homogeneous linewidth in spectrum of single molecule in solids. 1996 , 123, 105-108	9
852	Nonlinear dielectric properties of glasses at low temperatures. 1996 , 69, 253-267	4
851	Resistance relaxation in carbon and RuO ₂ based thermometers. 1996 , 103, 209-236	8

- 850 Self-consistent green's function approach to dissipative two-state system. **1996**, 195, 397-405
- 849 Random hopping among localized states and charge fluctuation at disordered surfaces. **1996**, 1, 1-6 1
- 848 Computer Simulation of Assemblies of Rigid Elastic Elliptic Particles. **1996**, 35, 605-648 3
- 847 Low-temperature thermal properties of icosahedral Al-Re-Pd. **1996**, 35, 431-438 44
- 846 Computer-simulation study of the thermal conductivity of amorphous insulating solids. **1996**, 54, 2980-2983 1
- 845 Correlation between density of tunneling states and Fragility of glasses. **1996**, 54, 6287-6291 12
- 844 Dissipative quantum tunneling of a single defect in a disordered metal. **1996**, 54, 4629-4637 16
- 843 Structural scattering of phonons in quasicrystals. **1996**, 53, 14145-14151 51
- 842 Electronic spectral diffusion in glasses: The influence of coupling to the medium on experimental observables. **1996**, 104, 3865-3875 15
- 841 Two-level system dynamics in the long-time limit: A power-law time dependence. **1996**, 76, 2085-2088 48
- 840 The suppression of phonon induced noise in niobium superconducting tunnel junction x-ray detectors. **1996**, 79, 2574-2579 10
- 839 Effect of tunneling disorder on the low-temperature heat capacities of ^3He and ^4He in zeolite channels. **1996**, 54, 11895-11898
- 838 Time-retarded interactions in systems with tunneling states and strong electron-phonon coupling. **1996**, 53, 9074-9083 5
- 837 Fluctuating loops and glassy dynamics of a pinned line in two dimensions. **1996**, 54, 2984-2987
- 836 Low-frequency dynamics and medium-range order in vitreous silica. **1996**, 53, 2411-2418 55
- 835 Structural relaxations in H₂-substituted myoglobin observed by temperature-cycling hole burning. **1996**, 104, 4396-4405 18
- 834 Low temperature optical dephasing in polymethylmethacrylate: A photon echo study below 1 K. **1996**, 105, 10648-10650 14
- 833 Nonequilibrium phenomena in spectral diffusion physics of organic glasses. **1996**, 105, 1798-1806 35

832	Phonon attenuation in amorphous solids studied by picosecond ultrasonics. 1996 , 54, 203-213	75
831	Collective dynamics in glasses and its relation to the low-temperature anomalies. 1996 , 53, 609-619	44
830	The role of localization in glasses and supercooled liquids. 1996 , 104, 5199-5208	79
829	Low-frequency noise in a phonon system of disordered insulators. 1996 , 53, 5356-5362	3
828	Low-temperature specific heat of rare-earth-doped silicate glasses. 1996 , 53, 2179-2182	8
827	Influence of heat treatment on the tunneling states in neutron-irradiated quartz. 1996 , 53, 14849-14861	5
826	Phonons in Glasses: Numerical Simulations and Phenomenological Theory. 1996 , 77, 675-678	34
825	Low-temperature properties of glassy and crystalline states of n-butanol. 2011 , 357, 524-529	21
824	Structural relaxations in disordered solids below Tg: Study by thermal-cycling single-molecule spectroscopy. 2011 , 357, 466-471	3
823	Dielectric relaxation study of hydrogen exposure as a source of two-level systems in Al ₂ O ₃ . 2011 , 357, 2148-2151	8
822	Effects of crystallization on low-temperature specific heat capacity of Cu ₆₀ Zr ₂₀ Hf ₁₀ Ti ₁₀ bulk metallic glass. 2011 , 21, 1309-1313	9
821	Two Level System Loss in Superconducting Microwave Resonators. 2011 , 21, 871-874	74
820	Relaxation of Paramagnetic Spins. 2011 , 455-495	0
819	Dynamics of Polymers. 2011 , 455-491	
818	Far-infrared to millimeter astrophysical dust emission. 2011 , 534, A118	39
817	Low-temperature anomalies of 4He crystals. 2011 , 94, 129-133	6
816	Heat Transport in Aluminum-Based Quasicrystals i-AlPdMn, i-AlCuFe, and d-AlCoNi. 2011 , 51, 1340-1348	7
815	Thermal Conductivity of Glasses Induced by Nuclear Quadrupole Interaction at Ultra Low Temperatures. 2011 , 162, 509-515	

814	Local oscillations in different models of the coherent bcc/fcc boundary in 4He and metals. 2011 , 248, 1392-1398	1
813	Thermal and magnetic properties of DyB62 at low temperatures. 2011 , 406, 2642-2645	13
812	Atomic level stresses. 2011 , 56, 637-653	227
811	Fabrication and heating rate study of microscopic surface electrode ion traps. 2011 , 13, 013032	71
810	Entangling microscopic defects via a macroscopic quantum shuttle. 2011 , 13, 063015	9
809	Direct imaging of two-state dynamics on the amorphous silicon surface. 2011 , 106, 235501	21
808	Effects of external driving on the coherence time of a Josephson junction qubit in a bath of two-level fluctuators. 2011 , 84,	7
807	Temporal universal conductance fluctuations in RuO ₂ nanowires due to mobile defects. 2011 , 84,	14
806	Subterahertz hypersound attenuation in silica glass studied via picosecond acoustics. 2011 , 83,	29
805	Low-temperature thermal conductances of amorphous dielectric microbridges in the diffusive to ballistic transition. 2011 , 83,	10
804	Cavity cooling of a mechanical resonator in the presence of a two-level-system defect. 2011 , 84,	22
803	How stress can reduce dissipation in glasses. 2011 , 84,	7
802	Secondary Relaxation inside the Glass. 2011 , 2011, 1-10	2
801	QUASI-HAMILTONIAN METHOD FOR COMPUTATION OF DECOHERENCE RATES. 2011 , 25, 2115-2134	14
800	Low temperature specific heats of permanently densified glassy GeO ₂ . 2011 , 91, 1877-1886	7
799	High-density amorphous ice: a path-integral simulation. 2012 , 137, 104505	12
798	Thermal conductivity of solid monohydroxyl alcohols in polyamorphous states. 2012 , 38, 74-79	6
797	Damping and decoherence of Fock states in a nanomechanical resonator due to two-level systems. 2012 , 86,	3

796	Decoherence of a qubit due to either a quantum fluctuator, or classical telegraph noise. 2012 , 86,	34
795	Optimal control of wave-packet localization in driven two-level systems and curved photonic lattices: A unified view. 2012 , 85,	8
794	Acoustic damping and dispersion in vitreous germanium oxide. 2012 , 86,	4
793	Simple solvable energy-landscape model that shows a thermodynamic phase transition and a glass transition. 2012 , 85, 061505	8
792	Evidence of nanoscale structural phase separation in large bandwidth La _{0.2} Sr _{0.8} MnO ₃ . 2012 , 86,	8
791	Internal loss of superconducting resonators induced by interacting two-level systems. 2012 , 109, 157005	35
790	Squeezed noise due to two-level system defects in superconducting resonator circuits. 2012 , 85,	2
789	Detection and characterization of a 500 th dust emissivity excess in the Galactic plane using Herschel/Hi-GAL observations. 2012 , 537, A113	26
788	Hole-burning spectroscopy as a probe of nano-environments and processes in biomolecules: a review. 2012 , 66, 609-27	15
787	Unexpected dielectric behavior in aluminum wet electrolytic capacitors. 2012 , 19, 291-297	3
786	Spectrally resolved analysis of fluorescence blinking of single dye molecules in polymers at low temperatures. 2012 , 137, 194903	16
785	Calorimetric study of glass transition in molecular liquids consisting of globular associates: dicyclohexylmethanol and tricyclohexylmethanol. 2012 , 116, 3938-43	18
784	Quantum Phenomena in Structural Glasses: The Intrinsic Origin of Electronic and Cryogenic Anomalies. 2012 , 3, 1-7	7
783	Spectral hole burning, recovery, and thermocycling in chlorophyll-protein complexes: distributions of barriers on the protein energy landscape. 2012 , 116, 11780-90	18
782	Theories of Structural Glass Dynamics: Mosaics, Jamming, and All That. 2012 , 341-379	8
781	Strain tuning of individual atomic tunneling systems detected by a superconducting qubit. 2012 , 338, 232-4	79
780	Low-temperature thermal and elastoacoustic properties of butanol glasses: Study of position isomerism effects around the boson peak. 2012 , 85,	20
779	SPITZER AND HERSCHEL MULTI-WAVELENGTH CHARACTERIZATION OF THE DUST CONTENT OF EVOLVED H II REGIONS. 2012 , 760, 149	49

778	Superconducting Microresonators: Physics and Applications. 2012 , 3, 169-214	347
777	Spectral diffusion of single dibenzoterrylene molecules in 2,3-dimethylantracene. 2012 , 13, 3510-5	9
776	Tunneling Defect Nanoclusters in hcp 4He Crystals: Alternative to Supersolidity. 2012 , 168, 126-136	5
775	Fluctuator Model of Memory Dip in Hopping Insulators. 2012 , 167, 318-328	2
774	Defects and Glassy Dynamics in Solid 4He: Perspectives and Current Status. 2013 , 172, 388-421	3
773	"Tunneling two-level systems" model of the low-temperature properties of glasses: are "smoking-gun" tests possible?. 2013 , 117, 12966-71	45
772	Ising model of a glass transition. 2013 , 88, 012122	22
771	Bulk and surface tunneling hydrogen defects in alumina. 2013 , 111, 065901	39
770	Observation of structural relaxations in disordered solid media via spectral histories of single impurity molecules. 2013 , 55, 710-719	7
769	Statistical Physics of Under-cooled Melts and Glasses. 2013 , 165-217	
768	Brief Overview on Some New Developments. 2013 , 447-523	
767	Inversion symmetric two-level systems and the low-temperature universality in disordered solids. 2013 , 88,	19
766	Disorder influenced absorption line shapes of a chromophore coupled to two-level systems. 2013 , 117, 12320-31	2
765	Improvements in Silicon Oxide Dielectric Loss for Superconducting Microwave Detector Circuits. 2013 , 23, 1501204-1501204	8
764	Nuclear quadrupole moments as a microscopic probe to study the motion of atomic tunneling systems in amorphous solids. 2013 , 110, 205502	7
763	Universal dielectric loss in glass from simultaneous bias and microwave fields. 2013 , 110, 157002	10
762	Geometry fluctuations and Casimir effect in a quantum antiferromagnet. 2013 , 86, 1	4
761	Exact theory of dense amorphous hard spheres in high dimension. II. The high density regime and the Gardner transition. 2013 , 117, 12979-94	103

760	Low-temperature spectroscopy of organic molecules in solid matrices: from the Shpol'skii effect to laser luminescent spectromicroscopy for all effectively emitting single molecules. 2013 , 56, 605-622	80
759	Glass Transition Thermodynamics and Kinetics. 2013 , 4, 263-285	180
758	Glassy Interfacial Dynamics of Ni Nanoparticles: Part II Discrete Breathers as an Explanation of Two-Level Energy Fluctuations. 2013 , 9, 1266-1280	19
757	Disorder and spectral line shapes in two-level systems. 2013 , 582, 66-70	1
756	In situ investigation of vapor-deposited glasses of toluene and ethylbenzene via alternating current chip-nanocalorimetry. 2013 , 138, 024501	59
755	Polaronic model of two-level systems in amorphous solids. 2013 , 87,	28
754	Symmetry breaking and low energy conformational fluctuations in amorphous graphene. 2013 , 250, 1012-1019	15
753	Two-State Systems in Condensed Matter. 2013 , 137-145	
752	Nonlinear quantum optomechanics via individual intrinsic two-level defects. 2013 , 110, 193602	103
751	Molecular binoculars: how to spatially resolve environmental fluctuations by following two or more single-molecule spectral trails at a time. 2013 , 117, 12734-41	1
750	Quasispin glass in a geometrically frustrated magnet. 2013 , 110, 017203	23
749	Low-temperature thermal properties of a hyperaged geological glass. 2013 , 25, 295402	14
748	Stress-induced transformation behaviors at low temperatures in Ti-51.8Ni (at. %) shape memory alloy. 2013 , 102, 231915	32
747	Threefold reduction in thermal conductivity of Vycor glass due to adsorption of liquid ^4He . 2013 , 15, 063030	5
746	Low-temperature dipolar echoes in amorphous dielectrics: Significance of relaxation and decoherence free two-level systems. 2013 , 104, 57006	10
745	Delocalized oxygen as the origin of two-level defects in Josephson junctions. 2013 , 110, 077002	22
744	Excess specific heat in evaporated amorphous silicon. 2013 , 110, 135901	45
743	Detailed characterization of rattlers in exactly isostatic, strictly jammed sphere packings. 2013 , 88, 062208	36

742	Slow dynamics of spin pairs in a random hyperfine field: Role of inequivalence of electrons and holes in organic magnetoresistance. 2013 , 87,	4
741	Elastic and inelastic scattering at low temperature in low-dimensional phononic structures. 2013 , 87,	3
740	Optomechanical effects of two-level systems in a back-action evading measurement of micro-mechanical motion. 2013 , 103, 052604	18
739	Operation of a titanium nitride superconducting microresonator detector in the nonlinear regime. 2013 , 113, 104501	57
738	GROUND STATE ENERGY OF A TWO-LEVEL SYSTEM INTERACTING WITH PHONONS. 2013 , 27, 1350098	
737	Principles of femtosecond coherent spectroscopy of impurity amorphous media. 2013 , 134-247	
736	Moments distributions of single dye molecule spectra in a low-temperature polymer: Analysis of system ergodicity. 2013 , 478, 012005	1
735	Multilevel tunnelling systems and fractal clustering in the low-temperature mixed alkali-silicate glasses. 2013 , 2013, 263742	6
734	Identification of structural motifs as tunneling two-level systems in amorphous alumina at low temperatures. 2014 , 90,	17
733	Photon echoes in an impurity polymer: New data on the low-temperature processes of phase relaxation and their relationship to the broadening of zero-phonon lines of single molecules. 2014 , 78, 1254-1259	15
732	Cavity optomechanics. 2014 , 86, 1391-1452	2824
731	Quantum memory effects in disordered systems and their relation to 1/f noise. 2014 , 90,	1
730	Optical decoherence studies of Tm ³⁺ :Y ₃ Ga ₅ O ₁₂ . 2014 , 90,	8
729	Molecular dynamics study of the mechanical loss in amorphous pure and doped silica. 2014 , 141, 054501	22
728	Landau-Zener population control and dipole measurement of a two-level-system bath. 2014 , 90,	17
727	Improving the cooling performance of a mechanical resonator with two-level-system defects. 2014 , 90,	2
726	Hydrogen-free amorphous silicon with no tunneling states. 2014 , 113, 025503	51
725	Relationship between boson heat capacity peaks and evolution of heterogeneous structure in metallic glasses. 2014 , 115, 153505	16

724	Freezing-in orientational disorder induces crossover from thermally-activated to temperature-independent transport in organic semiconductors. 2014 , 5, 5642	40
723	Low temperature spectral dynamics of single molecules in ultrathin polymer films. 2014 , 140, 204907	3
722	Fluorescence line narrowing and FFLN spectra in the presence of excitation energy transfer between weakly coupled chromophores. 2014 , 118, 13535-43	6
721	Characterization and reduction of microfabrication-induced decoherence in superconducting quantum circuits. 2014 , 105, 062601	68
720	Effect of annealing on stress-induced transformation behaviors at low temperatures in a Ti ₅ Ni ₃ shape memory alloy. 2014 , 251, 2041-2047	3
719	Nonhomogeneity of the density of states of tunneling two-level systems at low energies. 2014 , 89,	11
718	Heat capacity of solid He ₄ and He ₃ He ₄ mixture grown in aerogel. 2014 , 90,	1
717	Vapor-deposited glasses provide clearer view of two-level systems. 2014 , 111, 11232-3	10
716	The temperature dependence of vibronic lineshapes: linear electron-phonon coupling. 2014 , 141, 154110	2
715	Electrical and Thermal Conductivity. 2014 , 131-168	
714	Theories of glass formation and the glass transition. 2014 , 77, 042501	77
713	1/f noise: Implications for solid-state quantum information. 2014 , 86, 361-418	279
712	Fractal free energy landscapes in structural glasses. 2014 , 5, 3725	304
711	Glassiness and exotic entropy scaling induced by quantum fluctuations in a disorder-free frustrated magnet. 2014 , 5, 3497	16
710	Transient spectral hole burning observed on the single-molecule level in terrylene-doped biphenyl. 2014 , 152, 121-124	
709	Anomalous Tunneling Systems in Amorphous Organic Materials. 2014 , 176, 64-81	
708	Super-linear frequency dependence of ac conductivity in nanocrystalline lithium ferrite. 2014 , 146, 389-398	27
707	Dissipation in nanoelectromechanical systems. 2014 , 534, 89-146	155

706	Glass-forming ability for selected quasi-ternary metallic system: Magnetism and heat capacity. 2014 , 383, 2-5	3
705	Luminescence of intrinsic localized states in alkali silicate glasses excited by pulsed electron beam. 2014 , 8, 726-733	3
704	Laser selective spectromicroscopy of myriad single molecules: tool for far-field multicolour materials nanodiagnostics. 2014 , 68, 1	43
703	Suppression of tunneling two-level systems in ultrastable glasses of indomethacin. 2014 , 111, 11275-80	94
702	Two-level systems and boson peak remain stable in 110-million-year-old amber glass. 2014 , 112, 165901	56
701	Phonon-glass electron-crystal thermoelectric clathrates: Experiments and theory. 2014 , 86, 669-716	325
700	Systematic studies on anharmonicity of rattling phonons in type-I clathrates by low-temperature heat capacity measurements. 2014 , 89,	6
699	Quantum coherent manipulation of two-level systems in superconducting circuits. 2014 , 27, 084001	4
698	Dissipative dynamics of two-level systems in low temperature glasses. 2014 , 118, 2220-7	2
697	Acoustic interactions between inversion symmetric and asymmetric two-level systems. 2014 , 26, 325401	4
696	The glassy state \square Magnetically viewed from the frozen end. 2014 , 401, 66-72	10
695	Temperature evolution of dielectric response spectra of stillwellite-like glasses in the terahertz and infrared ranges. 2014 , 56, 1200-1205	
694	Evidence for interacting two-level systems from the 1/f noise of a superconducting resonator. 2014 , 5, 4119	64
693	Modeling and predicting the shape of the far-infrared to submillimeter emission in ultra-compact HII regions and cold clumps. 2014 , 572, A37	8
692	Effects of Large Nuclear Quadrupoles on Dielectric Properties of Glasses at Very Low Temperatures. 2014 , 568, 032013	
691	Lattice vacancies responsible for the linear dependence of the low-temperature heat capacity of insulating materials. 2015 , 91,	40
690	Microscopic models for charge-noise-induced dephasing of solid-state qubits. 2015 , 91,	18
689	Lattice vibrations in the Frenkel-Kontorova Model. II. Thermal conductivity. 2015 , 91,	2

688	Bulk electronic structure of Zn-Mg-Y and Zn-Mg-Dy icosahedral quasicrystals. 2015 , 91,	6
687	Thermal conductivity of silicon nitride membranes is not sensitive to stress. 2015 , 92,	28
686	Low-temperature 1/f noise in microwave dielectric constant of amorphous dielectrics in Josephson qubits. 2015 , 92,	18
685	Soft Modes, Localization, and Two-Level Systems in Spin Glasses. 2015 , 115, 267205	41
684	NMR relaxation studies in doped poly-3-methylthiophene. 2015 , 91,	
683	Interacting two-level defects as sources of fluctuating high-frequency noise in superconducting circuits. 2015 , 92,	58
682	Ion-trap measurements of electric-field noise near surfaces. 2015 , 87, 1419-1482	185
681	Light-induced metastability in pure and hydrogenated amorphous silicon. 2015 , 112, 26001	3
680	Low-temperature vibration characteristics in InSe single crystals intercalated by Ni. 2015 , 41, 930-935	0
679	Biophotonics of Photosynthesis. 2015 , 129-164	3
678	Amorphous Dielectric Thin Films with Extremely Low Mechanical Loss. 2015 , 60, 359-363	2
677	Enhanced stimulated Brillouin scattering via saturable phonon losses. 2015 ,	
676	Structure. 24-85	
675	A model for predicting the thermal conductivity of SiO ₂ -Ge nanoparticle composites. 2015 , 17, 13429-41	18
674	Inversion symmetric vs. asymmetric excitations and the low-temperature universal properties of Ar:N ₂ and Ar:N ₂ :CO glasses. 2015 , 109, 56001	2
673	Peculiarities in the transport characteristics of phonons in glasses and glass-like crystals at helium temperatures. 2015 , 121, 267-273	6
672	Spin Glasses. 2015 , 24, 1-137	15
671	Technology for the next gravitational wave detectors. 2015 , 58, 1	8

670	Interacting tunneling model for two-level systems in amorphous materials and its predictions for their dephasing and noise in superconducting microresonators. 2015 , 91,	40
669	Observation of directly interacting coherent two-level systems in an amorphous material. 2015 , 6, 6182	77
668	Specific heat of Teflon, Torlon 4203 and Torlon 4301 in the range of 30–400mK. 2015 , 67, 15-18	0
667	Thermal conductivity across the metal-insulator transition in the single-crystalline hyperkagome antiferromagnet $\text{Na}_{3+x}\text{Ir}_3\text{O}_8$. 2015 , 91,	11
666	Monte Carlo Modeling of Spectral Diffusion Employing Multiwell Protein Energy Landscapes: Application to Pigment-Protein Complexes Involved in Photosynthesis. 2015 , 119, 7911-21	6
665	Conformational Changes in Pigment-Protein Complexes at Low Temperatures-Spectral Memory and a Possibility of Cooperative Effects. 2015 , 119, 6930-40	8
664	Two-level systems in evaporated amorphous silicon. 2015 , 426, 19-24	17
663	Quantifying non-Markovianity for a chromophore-qubit pair in a super-Ohmic bath. 2015 , 17, 8087-96	10
662	Do tunneling states and boson peak persist or disappear in extremely stabilized glasses?. 2015 , 41, 412-418	3
661	Atomic delocalization as a microscopic origin of two-level defects in Josephson junctions. 2015 , 17, 023017	9
660	Visible/Infrared Imaging Spectroscopy and Energy-Resolving Detectors. 2015 , 53, 155-197	11
659	Unusual specific heat of almost dry L-cysteine and L-cystine amino acids. 2015 , 91, 032709	
658	Incommensurate systems as model compounds for disorder revealing low-temperature glasslike behavior. 2015 , 114, 195502	16
657	Spin glasses: redux: an updated experimental/materials survey. 2015 , 78, 052501	132
656	Cavity quantum electrodynamics using a near-resonance two-level system: Emergence of the Glauber state. 2015 , 106, 172601	9
655	Probing the density of states of two-level tunneling systems in silicon oxide films using superconducting lumped element resonators. 2015 , 106, 022603	17
654	Theory of single molecule emission spectroscopy. 2015 , 142, 174104	1
653	Many-body delocalization in a strongly disordered system with long-range interactions: Finite-size scaling. 2015 , 91,	64

652	Skyrmions in a density wave state: A mechanism for chiral superconductivity. 2015 , 29, 1540053	4
651	Theory of the structural glass transition: a pedagogical review. 2015 , 64, 283-443	43
650	Negative thermal expansion and anomalies of heat capacity of LuB50 at low temperatures. 2015 , 44, 15865-71	21
649	Two Mechanisms of Fluorescence Intermittency in Single Core/Shell Quantum Dot. 2015 , 119, 22646-22652	26
648	Universal spectrum of normal modes in low-temperature glasses. 2015 , 112, 14539-44	108
647	Theory of vibrational anomalies in glasses. 2015 , 407, 133-140	34
646	A universal T2 behavior of low temperature thermal conductivity of some simple molecular polycrystals. 2015 , 459, 93-96	3
645	Stability of Single Electron Devices: Charge Offset Drift. 2016 , 6, 187	10
644	Analysis of high quality superconducting resonators: consequences for TLS properties in amorphous oxides. 2016 , 29, 044008	23
643	Role of quantum fluctuations in structural dynamics of liquids of light molecules. 2016 , 145, 234507	2
642	Decoherence spectroscopy with individual two-level tunneling defects. 2016 , 6, 23786	33
641	Robust singlet dimers with fragile ordering in two-dimensional honeycomb lattice of Li ₂ RuO ₃ . 2016 , 6, 25238	22
640	Optical spectroscopy and decoherence studies of Yb ³⁺ :YAG at 968 nm. 2016 , 94,	13
639	Effect of nonlinearity, magnetic and nonmagnetic impurities, and spin-orbit scattering on the nonlocal microwave response of a d-wave superconductor. 2016 , 42, 1094-1101	
638	Do two-level systems and boson peak persist or vanish in hyperaged geological glasses of amber?. 2016 , 96, 774-787	4
637	Scenarios of structure stabilization and their cooperations in Al ₁₀₀ kMnx. 2016 , 447, 290-299	4
636	Statistics and Properties of Low-Frequency Vibrational Modes in Structural Glasses. 2016 , 117, 035501	119
635	FOREGROUND BIAS FROM PARAMETRIC MODELS OF FAR-IR DUST EMISSION. 2016 , 826, 101	6

634	Green's functions for spin boson systems: Beyond conventional perturbation theories. 2016 , 481, 42-53	7
633	Solid-State NMR Studies of Lithium Ion Dynamics Across Materials Classes. 2016 , 1-102	41
632	Anomalous phonon scattering and elastic correlations in amorphous solids. 2016 , 15, 1177-1181	68
631	ASSESSMENT OF MODELS OF GALACTIC THERMAL DUST EMISSION USING COBE/FIRAS AND COBE/DIRBE OBSERVATIONS. 2016 , 828, 16	2
630	Optical decoherence and spectral diffusion in an erbium-doped silica glass fiber featuring long-lived spin sublevels. 2016 , 94,	6
629	Low temperature heat capacity and electrical resistivity of the Ti ₄₀ Zr ₂₅ Cu ₁₂ Ni ₃ Be ₂₀ glass forming alloy. 2016 , 75, 31-35	5
628	Unification of the low-energy excitation peaks in the heat capacity that appears in clathrates. 2016 , 93,	5
627	Decoherence of a quantum two-level system by spectral diffusion. 2016 , 93,	9
626	A Quantum Model for Entropic Springs. 2016 , 93,	1
625	Dimensional transformation of defect-induced noise, dissipation, and nonlinearity. 2016 , 93,	6
624	Energy transport in the Anderson insulator. 2016 , 93,	42
623	Nonlinear plastic modes in disordered solids. 2016 , 93, 011001	39
622	Echoes from anharmonic normal modes in model glasses. 2016 , 93, 032905	7
621	Projected Dipole Moments of Individual Two-Level Defects Extracted Using Circuit Quantum Electrodynamics. 2016 , 116, 167002	26
620	Molecular dynamics modeling of mechanical loss in amorphous tantalum and titania-doped tantalum. 2016 , 93,	23
619	Generalized Debye-Peierls/Allen-Feldman model for the lattice thermal conductivity of low-dimensional and disordered materials. 2016 , 93,	54
618	Negative nonlinear damping of a multilayer graphene mechanical resonator. 2016 , 93,	28
617	Dissipation induced by phonon elastic scattering in crystals. 2016 , 6, 34148	3

616	The influence of temperature, pressure and Ag doping on the physical properties of TiO nanoceramics. 2016 , 8, 19703-19713	5
615	Random-Defect Laser: Manipulating Lossy Two-Level Systems to Produce a Circuit with Coherent Gain. 2016 , 116, 163601	6
614	Finite-Size Bath in Qubit Thermodynamics. 2016 , 184, 1015-1029	16
613	Effects of fabrication methods on spin relaxation and crystallite quality in Tm-doped YAlO powders studied using spectral hole burning. 2016 , 17, 63-70	9
612	New insights on the specific heat of glasses. 2016 , 96, 754-760	6
611	A one parameter fit for glassy dynamics as a quantum corollary of the liquid to solid transition. 2017 , 97, 1509-1566	3
610	Origin of the second peak in the mechanical loss function of amorphous silica. 2017 , 95,	11
609	Revisiting the combined photon echo and single-molecule studies of low-temperature dynamics in a dye-doped polymer. 2017 , 11, 1600414	17
608	Specific heat and Hall effect of the ferromagnetic Kondo lattice UCuSb. 2017 , 29, 215602	1
607	Mechanical dissipation in MoRe superconducting metal drums. 2017 , 110, 083103	1
606	Quantum effects in dynamics of water and other liquids of light molecules. 2017 , 40, 57	6
605	Effects of mechanical processing and annealing on optical coherence properties of Er ³⁺ :LiNbO ₃ powders. 2017 , 191, 2-12	5
604	Dynamic Nuclear Polarization of β -Cyclodextrin Macromolecules. 2017 , 121, 2584-2593	5
603	Characterizing Quality Factor of Niobium Resonators Using a Markov Chain Monte Carlo Approach. 2017 , 27, 1-5	1
602	Engineering dissipation with phononic spectral hole burning. 2017 , 16, 315-321	6
601	Specific heat study of La _{1-x} CaxMnO ₃ (0.5 \leq x \leq 0.9) with antiferromagnetic ground state. 2017 , 122, 143902	2
600	Probing Energy Landscapes of Cytochrome bf with Spectral Hole Burning: Effects of Deuterated Solvent and Detergent. 2017 , 121, 9848-9858	3
599	Continuum limit of the vibrational properties of amorphous solids. 2017 , 114, E9767-E9774	130

598	Thermal elastic-wave attenuation in low-dimensional SiNx bars at low temperatures. 2017 , 122, 054504	3
597	Rabi noise spectroscopy of individual two-level tunneling defects. 2017 , 95,	1
596	High Quality Factor Graphene-Based Two-Dimensional Heterostructure Mechanical Resonator. 2017 , 17, 5950-5955	49
595	Statistical properties of the one-dimensional Burridge-Knopoff model of earthquakes obeying the rate- and state-dependent friction law. 2017 , 95, 042122	4
594	Energy transfer in the nonequilibrium spin-boson model: From weak to strong coupling. 2017 , 96, 012135	25
593	Universality of thermal transport in amorphous nanowires at low temperatures. 2017 , 95,	8
592	Fractal nature of hard carbon prepared from C60 fullerene. 2017 , 124, 708-721	3
591	Electronic decoherence of two-level systems in a Josephson junction. 2017 , 96,	11
590	Perspective: Highly stable vapor-deposited glasses. 2017 , 147, 210901	118
589	Glassy Anomalies in the Low-Temperature Thermal Properties of a Minimally Disordered Crystalline Solid. 2017 , 119, 215506	22
588	Absence of Marginal Stability in a Structural Glass. 2017 , 119, 205501	48
587	Scaling of Memories and Crossover in Glassy Magnets. 2017 , 7, 12053	5
586	Exceptional Points in Random-Defect Phonon Lasers. 2017 , 8,	72
585	Probing nanocrystalline grain dynamics in nanodevices. 2017 , 3, e1700135	8
584	Calorimetric Measurements at Low Temperatures in Toluene Glass and Crystal. 2017 , 187, 182-191	5
583	Memory versus irreversibility in the thermal densification of amorphous glasses. 2017 , 95,	4
582	Effect of interactions and disorder on the relaxation of two-level systems in amorphous solids. 2017 , 95,	4
581	Peculiarities in the low-temperature specific heat related to nanoscale structural inhomogeneity in fine-crystalline YBa2Cu3O6.93 high-T c superconductors. 2017 , 105, 241-245	5

580	Hysteresis of Low-Temperature Thermal Conductivity and Boson Peak in Glassy (g) AsS: Nanocluster Contribution. 2017 , 12, 345	3
579	Cotunneling and polaronic effect in granular systems. 2017 , 95,	3
578	NMR Experiments in Ionic Conductors. 2017 , 251-275	
577	Elastic Measurements of Amorphous Silicon Films at mK Temperatures. 2017 , 187, 654-660	3
576	Observation and coherent control of interface-induced electronic resonances in a field-effect transistor. 2017 , 16, 208-213	7
575	Low temperature heat capacity and sound velocity in fullerite C60 orientational glasses. 2017 , 25, 661-666	4
574	Transmission-line resonators for the study of individual two-level tunneling systems. 2017 , 111, 112601	11
573	Low temperature features of sound velocity in fullerite C60 orientational glasses. 2017 ,	
572	Symmetry reduction for tunneling defects due to strong couplings to phonons. 2017 , 19, 063030	3
571	Orientalional Glasses: NMR and Electric Susceptibility Studies. 2017 , 3, 33	0
570	Low-temperature vibrational dynamics of fused silica and binary silicate glasses. 2018 , 97,	5
569	Anomalous vibrational properties in the continuum limit of glasses. 2018 , 97, 022609	25
568	Metastability and avalanche dynamics in strongly correlated gases with long-range interactions. 2018 , 115, 3279-3284	30
567	Electronic Griffiths phase and quantum interference in disordered heavy-fermion systems. 2018 , 97,	4
566	Selective laser spectroscopy of molecules and ions in solids: a history, fundamentals and applications. 2018 , 93, 033002	
565	Atomistic study of two-level systems in amorphous silica. 2018 , 97,	14
564	Boson peak, heterogeneity and intermediate-range order in binary SiO-AlO glasses. 2018 , 8, 5394	27
563	Nuclear magnetic resonance analysis and activation energy spectrum of the irreversible structural relaxation of amorphous zirconium tungstate. 2018 , 97,	1

- 562 String-like collective motion in the Band Relaxation of a coarse-grained polymer melt. **2018**, 148, 104508 29
- 561 Suppression of low-frequency charge noise in superconducting resonators by surface spin desorption. **2018**, 9, 1143 37
- 560 Specific heat characteristics of Ce₇₀Ga_{8.5}Cu_{18.5}Ni₃ metallic glass at low temperatures. **2018**, 123, 115108 0
- 559 Bistable higher harmonics in a hybrid optomechanical system. **2018**, 418, 51-56
- 558 Electrical resistivity and wave character of free electrons in amorphous and nanoglass ScFe. **2018**, 30, 025702 3
- 557 Impurity quadrupole Kondo ground state in a dilute Pr system Y₁-Pr Ir₂Zn₂₀. **2018**, 536, 40-42 6
- 556 Manipulation of Glassy State in Amorphous Selenium by Low-temperature Internal Friction Measurements. **2018**, 21,
- 555 Nonuniversality and strongly interacting two-level systems in glasses at low temperatures. **2018**, 20, 063048 3
- 554 Substrate surface engineering for high-quality silicon/aluminum superconducting resonators. **2018**, 31, 125013 21
- 553 Interfacial thermal conductance at metal-metal interface via electron-phonon coupling. **2018**, 32, 1830004 8
- 552 Comprehensive numerical modeling of filamentary RRAM devices including voltage ramp-rate and cycle-to-cycle variations. **2018**, 124, 174502 12
- 551 Possible gapless spin liquid in the rare-earth kagome lattice magnet Tm₃Sb₃Zn₂₀O₁₄. **2018**, 98, 8
- 550 Phonon transport and vibrational excitations in amorphous solids. **2018**, 98, 34
- 549 Spatial structure of quasilocalized vibrations in nearly jammed amorphous solids. **2018**, 98, 37
- 548 Two-level system damping in a quasi-one-dimensional optomechanical resonator. **2018**, 98, 13
- 547 Thermal conductivity of systems with a gap in the phonon spectrum. **2018**, 27, 076502 3
- 546 Superconducting transition edge sensors with phononic thermal isolation. **2018**, 124, 144501 2
- 545 Low-temperature anomalies in disordered solids: a cold case of contested relics?. **2018**, 3, 1510296 8

544	Wave nature of conduction electrons in amorphous CoSc and FeSc alloys. 2018 , 30, 455701	5
543	Randomness-induced quantum spin liquid behavior in the $s=12$ random $J1\bar{1}2$ Heisenberg antiferromagnet on the square lattice. 2018 , 98,	15
542	Heat conduction measurements in ballistic 1D phonon waveguides indicate breakdown of the thermal conductance quantization. 2018 , 9, 4287	23
541	Modification of relaxation dynamics in $Tb^{3+}:Y_3Al_5O_{12}$ nanopowders. 2018 , 98,	
540	Activation Energy Distribution of Dynamical Structural Defects in RuO ₂ Films. 2018 , 10,	2
539	Specific heat and magnetocaloric effect in $Pr_{0.6}Sr_{0.4}Ag$ MnO ₃ manganites. 2018 , 102, 88-93	6
538	Correlating the nanostructure of Al-oxide with deposition conditions and dielectric contributions of two-level systems in perspective of superconducting quantum circuits. 2018 , 8, 7956	6
537	Probing individual tunneling fluctuators with coherently controlled tunneling systems. 2018 , 97,	11
536	Glassy anomalies in the heat capacity of an ordered 2-bromobenzophenone single crystal. 2018 , 97,	14
535	Theory of nonlinear microwave absorption by interacting two-level systems. 2018 , 97,	3
534	Many-body localization transition with power-law interactions: Statistics of eigenstates. 2018 , 97,	36
533	Valence Bonds in Random Quantum Magnets: Theory and Application to YbMgGaO ₄ . 2018 , 8,	84
532	Tuning spin one channel to exotic orbital two-channel Kondo effect in ferrimagnetic composites of LaNiO and CoFeO. 2018 , 30, 375701	8
531	Universal disorder-induced broadening of phonon bands: from disordered lattices to glasses. 2018 , 20, 073022	31
530	Thin film metrology and microwave loss characterization of indium and aluminum/indium superconducting planar resonators. 2018 , 123, 205304	4
529	Single-Site Non-Fermi-Liquid Behaviors in a Diluted $4f^2$ System $Y_{1-x}Pr_xIr_2Zn_{20}$. 2018 , 121, 077206	19
528	Phonon-kink scattering effect on the low-temperature thermal transport in solids. 2018 , 44, 584-592	
527	Low-temperature dynamics of (S)-4-(1-methylheptyloxy)-4'-cyanobiphenyl (8*OCB) and (S)-4-(2-methylbutyl)-4'-cyanobiphenyl (5*CB) in disordered crystalline and glassy phases. 2019 , 46, 94-101	1

526	Towards understanding two-level-systems in amorphous solids: insights from quantum circuits. 2019 , 82, 124501	96
525	In Which Cases and Why the Standard Model of Tunneling Two-Level Systems Describes the Low-Temperature Inner Dynamics of Real Glasses Inadequately. 2019 , 127, 40-48	
524	Effects of Ga and Cd Substitutions for Zn in PrIr ₂ Zn ₂₀ on the Quadrupole-Driven Non-Fermi Liquid Behaviors. 2019 , 88, 054704	3
523	Phonon Glass Induced by Electron Correlation. 2019 , 88, 073601	3
522	Hindered Quadrupole Order in PrMgNi ₄ with a Nonmagnetic Doublet Ground State. 2019 , 88, 083703	5
521	Gardner physics in amorphous solids and beyond. 2019 , 151, 010901	29
520	Unconventional thermal metallic state of charge-neutral fermions in an insulator. 2019 , 15, 954-959	11
519	Correlating Decoherence in Transmon Qubits: Low Frequency Noise by Single Fluctuators. 2019 , 123, 190502	51
518	Scattering theory of transport through disordered magnets. 2019 , 100,	2
517	Nature of excitations and defects in structural glasses. 2019 , 10, 5102	18
516	Intrinsic dissipation mechanisms in metallic glass resonators. 2019 , 151, 144506	3
515	Wave attenuation in glasses: Rayleigh and generalized-Rayleigh scattering scaling. 2019 , 151, 104503	30
514	Two-stage rejuvenation and the correlation between rejuvenation behavior and the boson heat capacity peak of a bulk metallic glass. 2019 , 179, 308-316	12
513	Grüneisen divergence near the structural quantum phase transition in ScF ₃ . 2019 , 99, 631-643	2
512	Critical spin liquid versus valence-bond glass in a triangular-lattice organic antiferromagnet. 2019 , 10, 2561	20
511	Dynamic relaxations and relaxation-property relationships in metallic glasses. 2019 , 106, 100561	131
510	Impact of jamming criticality on low-temperature anomalies in structural glasses. 2019 , 116, 13768-13773	7
509	Precision interferometry for gravitational wave detection: Current status and future trends. 2019 , 75-148	6

508	Universal non-mean-field scaling in the density of states of amorphous solids. 2019 , 99, 050901	15
507	Decreasing activation energy of fast relaxation processes in a metallic glass during aging. 2019 , 99,	3
506	A graphene resonator as an ultrasound detector for generalized Love waves in a polymer film with two level states. 2019 , 52, 24LT02	2
505	Residual entropy in the zero-temperature limit of toluene glass. 2019 , 45, 331-336	1
504	Interplay Between Relaxation and Resonance in Ultrasound Attenuation by the Cubic Crystal ZnSe:Cr. 2019 , 256, 1800635	0
503	Studying conformational changes of proteins via single-molecule spectroscopy: Cryogenic temperatures versus room temperature. 2019 , 1-31	1
502	Theory for the density of interacting quasilocalized modes in amorphous solids. 2019 , 99, 023003	20
501	Improving the Time Stability of Superconducting Planar Resonators. 2019 , 4, 2201-2215	1
500	Low-Temperature Heat Capacity and Phonon Kinetics in Some Rare-Earth Pentaphosphate Single Crystals and Glasses. 2019 , 129, 849-854	2
499	Dynamical decoupling of quantum two-level systems by coherent multiple Landau-Zener transitions. 2019 , 5,	5
498	Nature of the randomness-induced quantum spin liquids in two dimensions. 2019 , 31, 504003	16
497	Electric field spectroscopy of material defects in transmon qubits. 2019 , 5,	30
496	Evidence of Simultaneous Spectral Hole Burning Involving Two Tiers of the Protein Energy Landscape in Cytochrome. 2019 , 123, 10930-10938	1
495	Vibrational density of states and specific heat in glasses from random matrix theory. 2019 , 100, 062131	15
494	Carbon nanotube-based lossy transmission line filter for superconducting qubit measurements. 2019 , 115, 213504	1
493	Randomness-Induced Quantum Spin Liquid Behavior in the $s=1/2$ Random-Bond Heisenberg Antiferromagnet on the Pyrochlore Lattice. 2019 , 123, 087201	10
492	Heat capacity of molecular solids: The special case of cryocrystals. 2019 , 45, 1290-1295	5
491	Emergence of glassy features in halomethane crystals. 2019 , 99,	22

490	Fast generation of ultrastable computer glasses by minimization of an augmented potential energy. 2019 , 99, 012106	36
489	Influence of Thermal Annealing on Ultrafast Laser-Induced Local Densification in Bulk Sulfur-Based Chalcogenide Glasses. 2019 , 216, 1800568	1
488	Low-frequency vibrational modes of stable glasses. 2019 , 10, 26	75
487	Low-energy optical phonons induce glassy-like vibrational and thermal anomalies in ordered crystals. 2020 , 3, 015004	9
486	Energy transport in glasses. 2020 , 16, 775-783	2
485	A systematic Mössbauer spectroscopy study of Y ₃ Fe ₅ O ₁₂ samples displaying different magnetic ac-susceptibility and electric permittivity spectra. 2020 , 495, 165881	4
484	Structural and electrical properties of cerium tungstate: Application to methane conversion. 2020 , 46, 8021-8030	9
483	Temperature dependent dielectric properties and AC conductivity studies on titanium niobium oxide (TiNb ₂ O ₇) thin films. 2020 , 40, 1293-1300	3
482	Nature of Localization-Delocalization Transition in a Two-Level System Interacting with a Phonon Bath: a Variational Treatment with an Improved Wave Function. 2020 , 59, 596-603	
481	Key role of retardation and non-locality in sound propagation in amorphous solids as evidenced by a projection formalism. 2020 , 153, 144502	2
480	Unconventional Superconductivity Induced by Suppressing an Iron-Selenium-Based Mott Insulator CsFe ₄ Se ₄ . 2020 , 10,	0
479	High frequency atomic tunneling yields ultralow and glass-like thermal conductivity in chalcogenide single crystals. 2020 , 11, 6039	12
478	Sub-kelvin thermometer for on-chip measurements of microwave devices utilizing two-level systems in superconducting microresonators. 2020 , 117, 192601	1
477	Reducing the Susceptibility of Lumped-Element KIDs to Two-Level System Effects. 2020 , 200, 239-246	1
476	Probing interacting two-level systems with rare-earth ions. 2020 , 101,	0
475	Intermittent rearrangements accompanying thermal fluctuations distinguish glasses from crystals. 2020 , 153, 154501	2
474	Materials loss measurements using superconducting microwave resonators. 2020 , 91, 091101	17
473	Domain-wall engineering and topological defects in ferroelectric and ferroelastic materials. 2020 , 2, 634-648	54

472	Probing Thermally Activated Atomic and Nanocrystalline Defect Motion Through Noise Processes in RuO ₂ Nanowires. 2020 , 14,	
471	Universality of the Nonphononic Vibrational Spectrum across Different Classes of Computer Glasses. 2020 , 125, 085502	32
470	Vibrational spectrum derived from local mechanical response in disordered solids. 2020 , 16, 7279-7288	11
469	Thermal origin of quasilocalized excitations in glasses. 2020 , 102, 062110	9
468	Extracting the properties of quasilocalized modes in computer glasses: Long-range continuum fields, contour integrals, and boundary effects. 2020 , 102, 033008	6
467	Depletion of Two-Level Systems in Ultrastable Computer-Generated Glasses. 2020 , 124, 225901	20
466	Nonlinear quasilocalized excitations in glasses: True representatives of soft spots. 2020 , 101, 032130	15
465	Low-frequency vibrations of jammed packings in large spatial dimensions. 2020 , 101, 052906	13
464	Vibrational Properties of Hard and Soft Spheres Are Unified at Jamming. 2020 , 124, 238002	9
463	Revealing the ultra-low-temperature relaxation peak in a model metallic glass. 2020 , 195, 611-620	10
462	Statistical mechanics of local force dipole responses in computer glasses. 2020 , 152, 194503	9
461	Subkilohertz optical homogeneous linewidth and dephasing mechanisms in Er ³⁺ :Y ₂ O ₃ ceramics. 2020 , 101,	0
460	Universal ratio of TTLS-phonon coupling constants in low-temperature amorphous solids. 2020 , 32, 055704	1
459	Aging effects on thermal conductivity of glass-forming liquids. 2020 , 101, 022125	0
458	Electronic mechanism for resistance drift in phase-change memory materials: link to persistent photoconductivity. 2020 , 53, 214002	14
457	Development of a novel calorimetry setup based on metallic paramagnetic temperature sensors. 2020 , 91, 035118	2
456	Three-Dimensional Superconducting Resonators at T. 2020 , 13,	37
455	Finite-size effects in the nonphononic density of states in computer glasses. 2020 , 101, 032120	14

454	Two-Channel Kondo Physics: From Engineered Structures to Quantum Materials Realizations. 2020 , 3, 1900128	3
453	Sound attenuation in finite-temperature stable glasses. 2020 , 16, 7165-7171	4
452	Solid-State Qubits: 3D Integration and Packaging. 2020 , 21, 72-85	15
451	Resolving the positions of defects in superconducting quantum bits. 2020 , 10, 3090	11
450	Caloric and isothermal equations of state of solids: empirical modeling with multiply broken power-law densities. 2020 , 126, 1	5
449	Structural Nature of Boson Peak and Low-Temperature Heat Excess in As ₂ S ₃ Glass. 2020 , 257, 1900525	1
448	Why Phonon Scattering in Glasses is Universally Small at Low Temperatures. 2020 , 124, 075902	7
447	Pinching a glass reveals key properties of its soft spots. 2020 , 117, 5228-5234	39
446	Thermal emission from the amorphous dust: An alternative possibility of the origin of the anomalous microwave emission. 2020 , 72,	4
445	Real-time simulation of flux qubits used for quantum annealing. 2020 , 101,	3
444	Are universal anomalous properties of glasses at low temperatures truly universal?. 2020 , 46, 104-110	5
443	Comparing amorphous silicon prepared by electron-beam evaporation and sputtering toward eliminating atomic tunneling states. 2021 , 855, 157431	1
442	Internal friction measurements of low energy excitations in amorphous germanium thin films. 2021 , 856, 157616	
441	A Career in Physics. 2021 , 12, 15-28	
440	Searching for the Gardner Transition in Glassy Glycerol. 2021 , 126, 028001	3
439	Translational and rotational critical-like behaviors in the glass transition of colloidal ellipsoid monolayers. 2021 , 7,	4
438	Combined description of polymer and relaxation data using a dynamic "SL-TS2" mean-field lattice model. 2021 , 17, 9094-9106	2
437	Atomic Vibrations in Glasses. 2021 , 287-300	1

436	Anomalous low-energy properties in amorphous solids and the interplay of electric and elastic interactions of tunneling two-level systems. 2021 , 103,	1
435	Quantum sensors for microscopic tunneling systems. 2021 , 7,	2
434	Low-Temperature Heat Capacity Anomalies in Ordered and Disordered Phases of Normal and Deuterated Thiophene. 2021 , 12, 2112-2117	1
433	Effects of Chlorophyll Triplet States on the Kinetics of Spectral Hole Growth. 2021 , 125, 3278-3285	
432	Origin of mechanical and dielectric losses from two-level systems in amorphous silicon. 2021 , 5,	1
431	Phonon-engineered extreme thermal conductivity materials. 2021 , 20, 1188-1202	56
430	Structural relaxation and crystallization in supercooled water from 170 to 260 K. 2021 , 118,	6
429	Realizations of Isostatic Material Frameworks. 2021 , 258, 2000555	1
428	General relations to obtain the time-dependent heat capacity from isothermal simulations. 2021 , 154, 164501	3
427	Materials challenges and opportunities for quantum computing hardware. 2021 , 372,	28
426	Quantum jamming: Critical properties of a quantum mechanical perceptron. 2021 , 103,	1
425	Ioffe-Regel criterion and viscoelastic properties of amorphous solids. 2021 , 103, 042608	1
424	Rare earth ions doped mixed crystals for fast quantum computers with optical frequency qubits. 2021 , 485, 126693	3
423	Mean-field model of interacting quasilocalized excitations in glasses. 2021 , 4,	12
422	Effective quantum dynamics induced by a driven two-level-system bath. 2021 , 103,	1
421	Relationship between two-level systems and quasilocalized normal modes in glasses. 2021 , 5,	3
420	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. 2021 , 60, 16457-16465	3
419	Elastic backscattering of quantum spin Hall edge modes from Coulomb interactions with nonmagnetic impurities. 2021 , 103,	0

4 ¹⁸	Signatures of many-body localization in the dynamics of two-level systems in glasses. 2021 , 103,	1
4 ¹⁷	Acoustic properties of metallic glasses at low temperatures: Tunneling systems and their dephasing. 2021 , 103,	
4 ¹⁶	Origin of micrometer-scale propagation lengths of heat-carrying acoustic excitations in amorphous silicon. 2021 , 5,	3
4 ¹⁵	Discovery of a Low Thermal Conductivity Oxide Guided by Probe Structure Prediction and Machine Learning. 2021 , 133, 16593-16601	
4 ¹⁴	Multiscale Laser Written Photonic Structures in Bulk Chalcogenide Glasses for Infrared Light Transport and Extraction. 2021 , 8, 211	4
4 ¹³	Quantum polyamorphism in compressed distinguishable helium-4. 2021 , 154, 224503	0
4 ¹²	Decoupling between propagating acoustic waves and two-level systems in hydrogenated amorphous silicon. 2021 , 104,	0
4 ¹¹	Elastoplasticity Mediates Dynamical Heterogeneity Below the Mode Coupling Temperature. 2021 , 127, 048002	3
4 ¹⁰	Electrochemical Reaction and Short-Circuit Behavior between Lead Borate Glass Doped with Metal Filler and Ni-Cr Alloy Wire. 2021 , 31, 471-479	0
4 ⁰⁹	Near-field terahertz nanoscopy of coplanar microwave resonators. 2021 , 119, 091101	3
4 ⁰⁸	Examining normal modes as fundamental heat carriers in amorphous solids: The case of amorphous silicon. 2021 , 130, 055101	0
4 ⁰⁷	Low temperature heat capacity of nanosize amorphous solids. 2021 , 33,	1
4 ⁰⁶	Design and Performance Analysis of Hexagonal Transmon Qubit in a Superconducting Circuit. 2021 , 31, 1-5	1
4 ⁰⁵	Engineering high-coherence superconducting qubits.	9
4 ⁰⁴	Heat capacity anomalies of the molecular crystal 1-fluoro-adamantane at low temperatures. 2021 , 11, 18640	2
4 ⁰³	Infrasonic Nanocrystal Formation in Amorphous NiTi Film: Physical Mechanism, Reasons and Conditions. 2021 , 11, 1390	0
4 ⁰²	Density of quasi-localized modes in athermal glasses.	1
4 ⁰¹	New paradigm for glassy-like anomalies in solids from fundamental symmetries. 2021 , 35, 2130002	2

400	Novel elastic instability of amorphous solids in finite spatial dimensions. 2021 , 17, 346-364	3
399	Quantum States in Templated Biological Processes. 2021 , 11, 233-251	
398	Low-Frequency Noise as a Source of Dephasing of a Qubit. 2004 , 141-165	9
397	Ergodicity, Replica Symmetry, Spin Glass and Quantum Phase Transition. 101-129	1
396	Resonance phenomena. 1982 , 19-178	124
395	Experimental studies of the low-temperature properties of spin glasses. 1983 , 18-37	3
394	Long-range Heisenberg spin glasses in a magnetic field: Theory and experiment. 1983 , 137-175	1
393	Equilibrium theory of spin glasses: Mean-field theory and beyond. 1983 , 203-233	13
392	Secondary relaxations and the properties of glasses and liquids. 1987 , 90-112	20
391	Anomalous Behavior of Insulating Glasses at Ultra-low Temperatures. 2002 , 335-346	3
390	Atomistic Theory Of Metallic Liquids and Glasses. 2008 , 27-55	4
389	1/f NOISE AND TWO-LEVEL SYSTEMS IN JOSEPHSON QUBITS. 2007 , 343-356	5
388	New Laser-Based Methodologies for the Determination of Organic Pollutants via Fluorescence. 1981 , 237-261	1
387	Are we Beginning to Understand the Vibrational Anomalies of Glasses?. 1985 , 529-540	3
386	Ultrasonic Measurements on Aluminosilicate and Borate Glasses. 1980 , 53-56	3
385	Saturation of the Acoustic Attenuation and Relaxation of the Two-Level Systems by the Electrons in Amorphous NiP. 1980 , 65-68	2
384	Echo Phenomena in Disordered Solids. 1980 , 11-20	10
383	Further Study of the Glassy/Low Temperature Properties of Irradiated Crystalline Quartz. 1980 , 21-24	3

382	Heat Pulse Experiments at Very Low Temperatures in Vitreous Silica. 1980 , 33-36	1
381	Thermal Properties of Crystalline Polymers at Low Temperatures. 1982 , 1-25	4
380	Elastic Nonlinearity of Vitreous Silica at Low Temperatures. 1982 , 37-48	2
379	Some Controversial Aspects of Electronic and Magnetic Interactions in the Amorphous Metallic State. 1977 , 181-196	4
378	Low Energy Phonons in Amorphous Materials. 1976 , 115-122	3
377	Amorphous Antiferromagnetism in Some Transition Element-Phosphorus Pentoxide Glasses. 1973 , 27-45	13
376	Characterization of Tunnel Barriers by Flicker Noise Spectroscopy. 1986 , 489-498	2
375	Biological Applications of Time Domain ESR. 1984 , 143-186	10
374	Dephasing of Impurities in Organic Glasses between 0.04 and 1.5k via Spectral Hole Photoburning. 1988 , 411-419	1
373	The Nature of the Amorphous State. 1974 , 1-43	4
372	Electronic Properties of Amorphous Semiconductors. 1974 , 221-312	35
371	Investigation of the Glassy Properties of Neutron and Electron Irradiated Crystalline Quartz Related to the Anomalous Low Temperature Dynamics of Non-Crystalline Solids. 1986 , 329-367	2
370	On the Crystalline, Liquid, Glassy, Gaseous, and Superfluid States of Simple Substances. 1983 , 79-92	1
369	Optical Properties of the Chalcogenide Glasses. 1984 , 281-320	3
368	Theory of the Thermal Conductivity of Amorphous Solids. 1985 , 307-314	5
367	Spectroscopy of Inorganic Glasses. 1989 , 299-315	1
366	Nonradiative Transitions Between Electronic Levels of Optically-Active Ions in Glass. 1991 , 261-286	2
365	High Resolution Nonlinear Spectroscopy of Rare Earth Ions in Solids. 1994 , 151-224	3

364	Observations of Fractons. 1989 , 285-294	1
363	Variation of the Absorption Coefficient after Optical Excitation in As ₂ Se ₃ at 1.6°K. 1974 , 1027-1031	2
362	Fractals and Experiments. 1991 , 263-296	6
361	Monte Carlo Studies of Random Systems. 1987 , 241-275	4
360	The Energy Landscape. 2001 , 257-276	3
359	Condensed Matter Biophysics: Structure and Dynamics of Large Biomolecules. 1987 , 70-74	1
358	Moment Instabilities and Reentrant Spin Glass Behavior in 3d Transition Metal Alloys. 1989 , 157-164	1
357	Optical Spectroscopy and Disorder Phenomena in Polymers, Proteins and Glasses. 1994 , 407-424	4
356	Glass Transitions and Relaxation Phenomena in Orientational Glasses and Supercooled Plastic Crystals. 1994 , 659-696	20
355	Introduction. 1981 , 1-12	3
354	Low Temperature Specific Heat of Glasses. 1981 , 27-52	40
353	The Thermal Expansion of Glasses. 1981 , 53-64	6
352	Thermal Conductivity. 1981 , 65-80	10
351	Acoustic and Dielectric Properties of Glasses at Low Temperatures. 1981 , 81-105	38
350	Relaxation Times of Tunneling Systems in Glasses. 1981 , 107-134	9
349	Low Frequency Raman Scattering in Glasses. 1981 , 135-160	64
348	Localization in Thin Wires. 1981 , 310-316	3
347	Time-Dependent Specific Heat of Vitreous Silica Between 0.1 and 1 K. 1984 , 416-418	6

346	The Influence of Two-Level States on the Thermal Conductivity of Amorphous Materials. 1984 , 422-424	2
345	Low-Energy Excitations in Disordered Solids: New Aspects. 1984 , 378-385	7
344	Spectral Hole Burning of Dyes, Probing Phonon Processes at Surfaces and in Amorphous Systems. 1984 , 395-397	2
343	Ultrasonic Detection of an Energy Gap Change in the N/S Transition for Trapped H in Nb. 1986 , 64-66	1
342	Phonon Scattering in Disordered Systems. 1986 , 6-14	1
341	Statics and Dynamics of the Random Field Ising Model (Theory). 1987 , 291-307	4
340	Photochemical Hole-Burning in Electronic Transitions. 1988 , 79-125	4
339	Two-Level-System Relaxation in Amorphous Solids as Probed by Nonphotochemical Hole-Burning in Electronic Transitions. 1988 , 153-202	12
338	Fractals and Experiments. 1996 , 303-338	2
337	On the General Physics of Heat Conduction in Ordered and Disordered Solids. 1993 , 3-8	1
336	Some Problems about Polarons in Transition Metal Compounds. 1973 , 2-14	4
335	Low Frequency Excitations in Glasses. 1989 , 172-181	3
334	Spatially Chaotic Structures. 1992 , 213-241	4
333	Monte Carlo Studies of Random Systems. 1984 , 241-275	2
332	Representative Conducting Oxides. 2000 , 157-319	4
331	Spectral Hole-Burning in Crystalline and Amorphous Organic Solids. Optical Relaxation Processes at Low Temperature. 1989 , 113-242	35
330	Transition from Gaussian to Dispersive Atomic Transport in Amorphous Materials. 1987 , 294-303	2
329	Dynamical Theory of Optical Linewidths in Glasses. 1986 , 1-21	1

328	Model Calculation of Optical Dephasing in Glasses. 1986 , 65-147	6
327	Structural Relaxation Processes in Polymers and Glasses as Studied by High Resolution Optical Spectroscopy. 1986 , 149-198	32
326	Two-Level Systems in Atomic-Size Point Contacts. 2001 , 249-252	1
325	Tunneling States. 1997 , 469-495	1
324	STRUCTURAL RELAXATION PHENOMENA IN AMORPHOUS ALLOYS. 1986 , 222-240	10
323	THE ROLE OF ATOMIC, MAGNETIC DOUBLE-WELL SYSTEMS IN AMORPHOUS ALLOYS. 1986 , 259-269	2
322	MOLECULAR TUNNELING IN HEME PROTEINS. 1979 , 627-649	8
321	Ultrasonic Properties of Glasses at Low Temperatures. 1976 , 12, 155-215	82
320	Vibrational Properties of Amorphous Solids. 1980 , 4, 1-61	1
319	Coulomb Interaction In Disordered Systems With Localized Electronic States. 1985 , 10, 409-482	41
318	LEVEL SYSTEMS AND KINETIC PROCESSES IN AMORPHOUS SOLIDS. 1985 , 607-610	6
317	Slow Processes in Disordered Solids. 1991 , 28, 175-206	13
316	Quantum Tunneling Diffusion in Solids . 1992 , 34, 37-143	14
315	Light Scattering from Glasses and Viscous Liquids. 2002 , 815-827	2
314	Thermal conductivity measurements of PTFE and Al ₂ O ₃ ceramic at sub-Kelvin temperatures. 2017 , 85, 63-70	1
313	On the rigidity of amorphous solids. 2005 , 30, 1-96	226
312	Virtual phonon exchange in glasses. 1975 , 36, 811-822	113
311	Linewidth and anomalous dispersion of ultrasound in glasses. 1977 , 38, 69-78	24

310	Low-energy excitations and hypersonic properties at low temperatures in amorphous media. 1977 , 38, 1153-1159	10
309	Lois de variations et ordre de grandeur de la conductivité alternative des chalcogures massifs non cristallins.. 1979 , 40, 417-428	38
308	Frustration dans un verre de spins quantique. 1980 , 41, 149-159	3
307	Connection between the low temperature acoustic properties and the glass transition temperature of fluoride glasses. 1983 , 44, 101-107	43
306	Electron spin-lattice relaxation in a true amorphous material : V4+ in V 2O5. 1983 , 44, 77-85	23
305	Hysteresis and after-effects in massive substances. From spin-glasses to the sand hill. 1983 , 44, 1095-1116	61
304	Anomalous spectral density and two-level system-phonon coupling in an insulating magnetic glass. 1985 , 46, 979-986	14
303	Calculation of the non-linear relaxational acoustic attenuation in glasses. 1986 , 47, 1731-1740	2
302	Acoustic study of low-energy activation processes in magnetic rare-earth glasses : amorphous holmium aluminosilicates. 1987 , 48, 2111-2118	3
301	Zero-temperature scaling and simulated annealing. 1987 , 48, 1255-1263	11
300	Acoustical study of tunneling states in magnetic rare-earth glasses : wave propagation and phonon echoes. 1988 , 49, 1179-1193	11
299	Low frequency vibrational modes related to texture in silica aerogels. 1990 , 51, 433-441	14
298	Sound propagation in amorphous metallic Ni-P. 1976 , 37, 291-293	12
297	Interaction between electromagnetic and elastic waves in a borosilicate glass at low temperatures. 1977 , 38, 37-39	15
296	Logarithmic temperature dependence of the sound velocity in amorphous metallic Ni-P. 1977 , 38, 65-66	48
295	Intensity-dependent ultrasonic attenuation in a metallic glass at low temperatures. 1978 , 39, 265-269	29
294	Linear specific heat of an amorphous magnet due to single-ion excitations. 1978 , 39, 327-330	22
293	Electric dipolar echoes in glasses. 1978 , 39, 126-129	19

292	Ultrasound propagation in amorphous polystyrene at low temperature. 1979 , 40, 193-195	33
291	Spectral diffusion decay of spontaneous echoes in disordered systems. 1980 , 41, 291-294	48
290	Is non-stoichiometric crystalline Na Aluminas an ideal amorphous material ? An ultrasonic answer. 1980 , 41, 65-68	10
289	Effect of thermal treatments on the low temperature specific heat of B ₂ O ₃ and SiO ₂ glasses. 1980 , 41, 131-133	14
288	Ultrasonic propagation in a fluorozirconate glass from 0.08 K to 250 K. 1981 , 42, 267-270	4
287	The thermal conductivity of amorphous Ce _{1-x} Al _x alloys between 1.5 and 350 K. 1982 , 43, 801-807	7
286	Effect of the hydrogen tunnelling states of the acoustic wave propagation in niobium at low temperatures. 1983 , 44, 387-391	21
285	Acoustic phonon absorption and dispersion in hydroxyl-doped KCl crystals at low temperatures. 1983 , 44, 433-441	5
284	Residual entropy and simulated annealing. 1985 , 46, 893-900	24
283	Environmental noise spectroscopy with qubits subjected to dynamical decoupling. 2017 , 29, 333001	41
282	Two-level systems and growth-induced metastability in hydrogenated amorphous silicon. 2020 , 7, 095201	4
281	Helium Three. 2001 ,	15
280	Specific-heat spectroscopy of glycerol and propylene glycol near the glass transition. 1986 , 34, 1631-1642	353
279	Tunable low-temperature dissipation scenarios in palladium nanomechanical resonators. 2017 , 95,	1
278	Revealing the nonlinear response of a tunneling two-level system ensemble using coupled modes. 2017 , 1,	10
277	Glassy anomalies in the lattice heat capacity of a crystalline solid caused by ferroelectric fluctuation. 2019 , 3,	4
276	Thermal resistance network model for heat conduction of amorphous polymers. 2020 , 4,	9
275	Hydrodynamics of disordered marginally stable matter. 2019 , 1,	18

274	Magnons at low excitations: Observation of incoherent coupling to a bath of two-level systems. 2019 , 1,	12
273	Anharmonic properties of vibrational excitations in amorphous solids. 2020 , 2,	6
272	Metastable order protected by destructive many-body interference. 2020 , 2,	2
271	A NEW FREE-VOLUME THEORY OF THE GvoLASS TRANSITION. 1981 , 371, 199-209	35
270	STRUCTURAL RELAXATION IN METALLIC GLASSES. 1981 , 371, 238-251	100
269	Kondo-like Effect of Atomic Motion in Amorphous Superconductors. 1984 , 53, 702-711	7
268	Ultrasound Studies of Clathrate Thermoelectrics. 2000 , 626, 1331	3
267	Nonlinear modes disentangle glassy and Goldstone modes in structural glasses. 2016 , 1,	38
266	Metallic Glasses. 1990 , 804-821	1
265	Dynamical properties and energy landscape of simple globular proteins. 2002 , 172, 1247	8
264	Blinking fluorescence of single molecules and semiconductor nanocrystals. 2006 , 176, 23	8
263	Quasicrystals. 2010 , 180, 561	16
262	Low temperature spectroscopy of organic molecules in solid matrices: from the Shpolsky effect to the laser luminescent spectromicroscopy for all effectively emitting single molecules. 2013 , 183, 633-652	3
261	IV-1-1 Dynamics of Polymer in Solid State as Studied by Inelastic and Quasielastic Neutron Scattering. 2015 , 64, 351-363	1
260	Cosmic Amorphous Dust Model as the Origin of Anomalous Microwave Emission. 2020 , 900, L40	6
259	Synthesis and Characterization of CuO Nanoparticles and CuO Doped PVA Nanocomposites. 2016 , 06, 263-273	18
258	Stabilization of Qubit Relaxation Rates by Frequency Modulation. 2021 , 16,	0
257	Blow Burning Spectroscopy of Organic Glasses 2000 , 151-166	

256 Tunnelsysteme. **2000**, 219-276

255 Dephasing and Shot-Noise in Mesoscopic Systems. **2000**, 185-210

254 Probing Interactions in Mesoscopic Gold Wires. **2001**, 119-132

2

253 Vibrational Excitations in Amorphous Materials. **2001**, 55-60

252 Amorphous Materials: Two-level and Tunneling States. **2001**, 237-242

251 Infrared Vibrational Echo Experiments. **2001**,

250 Transport properties. **2001**, 275-311

249 Basic properties. **2001**, 463-480

248 Solutions of 4He in 3He. **2001**, 434-447

247 Crystal shapes and defects. **2001**, 873-916

246 Magnetic resonance properties. **2001**, 567-612

245 Surfaces and interfaces. **2001**, 153-175

244 Motion of particles. **2001**, 106-132

243 Acoustic and temperature waves. **2001**, 253-274

242 Basic properties. **2001**, 206-252

241 Fermi liquid in equilibrium. **2001**, 38-54

240 Collective modes. **2001**, 613-648

239 Fermi gas. **2001**, 17-37

238 Low-dimensional structures. **2001**, 917-969

237 Paramagnetism. **2001**, 822-831

236 Theory of spin-polarized solutions. **2001**, 328-339

235 Superfluidity. **2001**, 533-566

234 Rotating superfluid. **2001**, 716-754

233 Further theories. **2001**, 133-152

232 Low-dimensional structures. **2001**, 372-409

231 Hydrodynamics. **2001**, 649-669

230 Spin-polarized liquid. **2001**, 176-204

229 Introduction. **2001**, 1-15

228 Properties of spin-polarized solutions. **2001**, 340-371

227 Neutron and photon scattering. **2001**, 312-327

226 Interfaces. **2001**, 410-433

225 Transport properties. **2001**, 55-81

224 Surfaces and interfaces. **2001**, 670-715

223 Antiferromagnetism in the b.c.c. phase. **2001**, 832-863

222 Quantum crystal. **2001**, 757-789

221 Multiple phases. **2001**, 509-532

220 Lattice dynamics. **2001**, 790-821

219 Search for superfluidity in mixtures. **2001**, 448-460

218 Ferromagnetism in the h.c.p. phase. **2001**, 864-872

217 Collective modes. **2001**, 82-105

216 BCS superfluids. **2001**, 481-508

215 Transformations, Dynamics, and Structures of Amorphous Ices. **2002**, 391-402

I

214 Optical Properties of Disordered Materials. **2002**, 353-406

213 Localized Low-Energy Excitations in Glasses. **2002**, 491-503

212 Atomic Motion in Amorphous Solids. **2002**, 102, 83-93

211 Tunneling Systems in Solids. **2003**, 75-92

210 Possible weak temperature dependence of electron dephasing. **2003**, 259-268

209 Quantum Dissipative Systems. **2004**, 173-203

208 Ultrasonic Propagation in Tunneling Systems. **2007**, 351-359

207 ~~2008~~
2008, 154, 77-90

206 Continuous Systems. **2011**, 237-293

205 Basic Modes of Motion in Polymers. **2012**, 59-101

204 High-Reflectivity, High-Q Mechanical Resonators. **2012**, 81-99

203 The Liquid-Glass Transition. **2013**, 181-231

O

202 Optomechanical effects of two-level systems. **2013**,

201 Optomechanical effects of two-level systems. **2013**,

200 Phonon and Sound Fluctuation Modes and Thermal Conductivities. **2013**, 261-290

199 How to Measure Thermal Conductivity. **2014**, 169-193

1

198 Thermal-sensitive superconducting coplanar waveguide resonator used for weak light detection. **2014**, 63, 070701

3

197 Anomalous Specific Heat of Disordered Solids. **1974**, 433-436

196 Heisenberg Model for Dilute Alloys in the Molecular Field Approximation. **1974**, 397-404

195 Low Frequency Modes in Amorphous Semiconductors. **1974**, 1071-1075

194 Virtual Phonon Exchange in Glasses. **1976**, 132-134

193 Very Low Frequency Raman Scattering of Glasses. **1976**, 144-146

192 Thermal Conductivity of a Glassy Metal at Low Temperatures. **1976**, 31-38

1

191 Propagation of Ultrasonic Longitudinal and Transverse Sound Waves in Glasses at Very Low Temperatures. **1976**, 123-125

190 Observation of Direct Interaction between Low-Energy Excitations in Glasses. **1976**, 129-131

189 Softons, Softarons and Bisoftarons in Amorphous Solids. **1976**, 595-612

188 Structural Effects on Superconductivity. **1976**, 239-274

187 Phonons in Amorphous Solids. **1976**, 623-663

186 Logarithmic dependence of the sound velocity in an amorphous metal. **1977**, 12, 817-817

2

185 Aspects of the Theory of Disordered Systems. **1978**, 457-469

- 184 Dielectric Loss Spectrum of Hydrated Vitreous Silica. **1978**, 480-484
- 183 Additional References. **1979**, 925-927
- 182 Automatische Messung Spezifischer Wärmekapazitäten Amorpher Substanzen Bei Tiefen Temperaturen (0.4). **1979**, 283-283
- 181 TUNNELING IN PHYSICAL SYSTEMS. **1979**, 17-29 1
- 180 General Discussion: EXPERIMENTAL TECHNIQUES. **1979**, 721-728
- 179 Ultrasonic Attenuation in Amorphous Arsenic and Red Phosphorus. **1980**, 363-369
- 178 Low Frequency Responses of Condensed Matter. **1980**, 575-608
- 177 Phonon Scattering in Metallic Glasses. **1980**, 1-10
- 176 Brillouin Scattering Down to 0.3 K in Polymers. **1981**, 229-233
- 175 Two-Pulse Phonon Echoes in Solid-State Acoustics. **1982**, 217-294 1
- 174 Bibliography. **1982**, 163-373
- 173 Ultrasonic Absorption in Polymethylmethacrylate at Low Temperatures. **1982**, 49-57
- 172 NEUTRON SCATTERING MEASUREMENTS OF LOW-TEMPERATURE HYDROGEN TUNNELING IN NIOBIUM. **1982**, 155-163
- 171 Optical Dephasing in Inorganic Glasses. **1982**, 78-79
- 170 Random Systems. **1982**, 347-381
- 169 Low-Energy Excitations in $(\text{KBr})_{1-x}(\text{KCN})_x$ in the Orientational Glass State. **1984**, 392-394
- 168 Theoretical Studies of Optical Energy Transfer in Glasses and Other Disordered Systems. **1984**, 125-144 1
- 167 Thermal and Acoustic Experiments in Low Temperature Glasses. **1984**, 69-94

- 166 Low-Temperature Thermal Properties of Amorphous Zr_xCu_{1-x} After Structural Relaxation. **1984**, 413-415
- 165 Low Temperature Thermal Conduction in Solids. **1984**, 395-406
- 164 Evidence of Two-Level Systems in Electrolyte Glass by Brillouin Scattering. **1984**, 398-400
- 163 Relaxation Ultrasonic Attenuation Measurements in Quartz Slightly Disordered by Neutron Irradiation. **1984**, 407-409
- 162 Nuclear Quadrupole Resonance in the Chalcogenide and Pnictide Amorphous Semiconductors. **1985**, 517-528 1
- 161 Metastable Liquids and the Nature of the Glass Transition. **1985**, 3-18
- 160 Electron States, Negative-U Centers, in Mobility Gap and Some Features of Atomic Structures in Galssy Semiconductors. **1985**, 617-631 0
- 159 THEORY OF ELECTRONIC TRANSPORT IN DISORDERED METALS: THE INFLUENCE OF INCOHERENT ATOMIC MOTIONS. **1985**, 995-998 1
- 158 Very Low Frequency Loss Measurements in Glasses. **1986**, 109-115
- 157 Low Temperature Properties Probed by Selective Laser-Excitation. **1986**, 79-88
- 156 The Thermal Conductivity of Amorphous Insulators. **1986**, 15-19 2
- 155 Additional Evidence for TLS in Electron-Irradiated Quartz from Ultrasonic Attenuation Measurements. **1986**, 73-76
- 154 Acoustic Attenuation in Amorphous $Pd_{30}Zr_{70}$ and $Cu_{30}Zr_{70}$ in the Superconducting and the Normal State. **1986**, 52-54 2
- 153 Penetrating the Quantum Limit: The Experimentalists's View. **1986**, 2-12
- 152 The Thermal Conductivity of Several Fluoride Glasses. **1986**, 43-45
- 151 HIGH FREQUENCY MAGNETIC PROPERTIES AND MAGNETIC STABILITY OF METALLIC GLASSES. **1986**, 196-203
- 150 Two-Level Systems in Proteins: Thermodynamic and Dynamic Effects. **1986**, 407-411
- 149 Relaxation Processes in Glasses at Low Temperature. **1986**, 227-243

- 148 Strong Local Interelectron Attraction and Critical Potentials in Semiconductors and Insulators. **1986**, 449-477
- 147 Measurements of the Low Temperature Sound Velocity at 9.3 GHz in Neutron-Irradiated Quartz Crystals. **1986**, 77-79
- 146 The Protein as a Glass. **1987**, 85-93
- 145 Slow Relaxation of Organic Low Temperature Glasses. **1987**, 301-304
- 144 Very Low Frequency Elastic Loss of PMMA Below 5K. **1987**, 204-207
- 143 RANDOMLY INTERRUPTED DETERMINISTIC MOTION. **1987**, 130-155
- 142 Fracton Interpretation of Thermal Conductivity of Amorphous Materials. **1987**, 243-249 2
- 141 Ultrasonic Attenuation Study of Two-Level Systems in Neutron-Irradiated Quartz upon Heat Treatment. **1987**, 208-211
- 140 Rayleigh Scattering of Mössbauer Radiation (RSMR): Data, Hydration Effects and Glass-like Dynamical Model of Biopolymers. **1987**, 95-138
- 139 Broadening of Zero-Phonon Lines of Impurities in Glasses. **1988**, 102-122
- 138 Evolution of Spectral Holes on Logarithmic Time Scales. **1988**, 57-61
- 137 Organic Molecule, 1,4-Dihydroxy-9, 10-Anthraquinone, Doped Amorphous Silica Prepared by Sol-Gel Method and its Structures Studied by Photochemical Hole Burning. **1988**, 185-192
- 136 Low Lying Excitations in Silica. **1988**, 47-53 1
- 135 Homogeneous Broadening of Zero-Phonon Lines in the Impurity Spectra of Crystals and Glasses. **1988**, 20-36 1
- 134 Metastable and Multiply-Charged Individual Defects at the Si:SiO₂ Interface. **1988**, 267-272
- 133 Dynamical Processes in Disordered Systems. **1989**, 31-53
- 132 Dynamic Properties of the Crystal Lattice. **1989**, 97-156
- 131 Laser spectroscopy of amorphous semiconductors. **1989**, 257-298 2

130 Thermal and Transport Properties. **1990**, 203-267

129 Influence of conduction electrons on tunneling states in amorphous metals. **1991**, 45-50

128 Dynamics of Quantum Particles: Coupled Coherent and Incoherent Motion. **1991**, 153-193

127 Low Temperature Thermal Properties of Pentanol-2 [A Perspective Polarized Target Material]. **1991**, 353-357

126 NMR in metal cluster compounds compared to glasses. **1991**, 783-785

125 De Gruyter. **1992**, 1, 391-395

124 Advances in the Characterization of Excited States of Luminescent Ions in Solids. **1992**, 207-253

123 Resonant Nonlinear Optical Excitations in Glassy Polymers. **1992**, 321-330

122 Very Fast Relaxation at Low Temperature of Tunneling States in Rare-Earth Doped Glasses. **1993**, 283-284

121 Interaction of Soft Modes and Sound Waves in Glasses. **1993**, 209-212

120 Freezing Phenomena and Heat Release in Glasses. **1993**, 291-292

119 Evidence for the Anisotropy of the Tunneling States from Ultrasonic Attenuation Measurements in Neutron Irradiated Z-Cut Quartz. **1993**, 332-333

118 Influence of a Structural Instability on the Low-Temperature Behavior of Solids. **1993**, 325-326

117 Nuclear Spin Relaxation in Aerogels and Porous Glasses. **1994**, 173-176

116 Soft Atomic Potentials and Low-Frequency Raman Scattering in Glasses. **1994**, 151-154

115 Stochastic Interpretation of Inhomogeneous Spectroscopic Line Shapes. **1994**, 449-470

114 Acoustic and Magnetic Properties of Rare-Earth-Ion-Doped Glasses: Elastic and Magnetic Tunneling States. **1995**, 209-226

113 Ultraschallexperimente an Gläsern. **1995**, 435-450

112 Hole-Burning Spectroscopy of Dye-Doped Langmuir-Blodgett Films. **1995**, 293-314

111 Computer Modelling of the Anomalous Ultrasound Attenuation in Glasses. **1997**, 301-307

110 Low-Temperature Protein Dynamics in Purple Bacteria and Green Plants Studied by Time-Resolved Hole-Burning. **1998**, 448-448

1

109 Low-Temperature Thermal, Dielectric, and Acoustic Properties of Amorphous Polymers. **1998**, 373-379

108 Overview. **1999**, 1-28

107 REFERENCES. **1999**, 377-396

106 The High-Frequency Atomic Dynamics of Disordered Systems Studied by High-Resolution Inelastic X-Ray Scattering. **2015**, 461-482

105 Enhanced Brillouin scattering in silica via saturable phonon losses. **2015**,

104 Amorphous Materials: Two-Level and Tunneling States. **2016**,

103 III-5 Low-Energy Dynamics in Disordered Materials. **2016**, 65, 319-324

102 Cluster Origin of Solvation Features of C-Nanostructures in Organic Solvents. **2016**, 189-293

101 Soft Modes and Localization in Spin Glasses. **2016**, 139-160

100 Blinking fluorescence of single semiconductor nanocrystals: basic experimental facts and the theoretical models of blinking. **2016**, 186, 489-502

5

99 Chapter 19: X-Rays and Neutrons Spectroscopy for the Investigation of Individual Phonon Properties in Crystalline and Amorphous Solids. **2016**, 517-564

98 Low-energy quasilocalized excitations in structural glasses. **2021**, 155, 200901

4

97 Distribution of two-level system couplings to strain and electric fields in glasses at low temperatures. **2021**, 104,

0

96 Material matters in superconducting qubits. **2021**, 146, 100646

8

95 Coexistence of Localized and Extended States?. **1973**, 327-340

- 94 DYNAMICAL PROCESSES AT LOW TEMPERATURES IN LANGMUIR-BLODGETT FILMS OBSERVED WITH SELECTIVELY LASER-EXCITED DYE MOLECULES. **1983**, 257-261
- 93 Atomic Structure and Electronic State of Metallic Glasses. **1983**, 111-120
- 92 Theory of Dephasing of Impurities in Glasses. **1983**, 215-226 1
- 91 Local Diffusion and Tunneling of Trapped Hydrogen in Metals. **1983**, 485-498 2
- 90 Molecular Glasses. **2020**, 161-176
- 89 Reentrant spin glass state induced by structural phase transition in $\text{La}_{0.4}\text{Ce}_{0.6}\text{Co}_2\text{P}_2$. **2020**, 4, 0
- 88 Nonlinear effects in superconducting thin film microwave resonators. **2020**, 22, 073028 2
- 87 Electron Dephasing in Mesoscopic Metal Wires. **2004**, 3-6
- 86 VIBRATIONAL THEORY OF LIQUID AND GLASS SIDES OF THE GLASS TRANSITION AND THE ORIGIN OF THE UNIVERSAL TWO-LEVEL SYSTEM WITH ASSOCIATED LOW-TEMPERATURE THERMAL AND ACOUSTIC ANOMALIES. **1981**, 371, 328-330
- 85 LINE DEFECTS AND THE GLASS TRANSITION. **1981**, 371, 342-343
- 84 Temperature Effect on Negative $\text{d}I/\text{d}V$ -Type Differential Conductivity in Current-Voltage Characteristics of Metallic Heterostructures with Superconducting Electrodes. **2020**, 42, 1187-1196
- 83 Probing two-level systems with electron spin inversion recovery of defects at the Si/SiO₂ interface. **2020**, 2, 0
- 82 Stress hyperuniformity and transient oscillatory-exponential correlation decay as signatures of strength vs fragility in glasses. **2021**, 155, 194501 0
- 81 Discovery of a paired Gaussian and long-tailed distribution of potential energies in nanoglasses. **2022**, 105, 0
- 80 Dimensional control of tunneling two-level systems in nanoelectromechanical resonators. **2022**, 105, 0
- 79 Charge-Neutral Fermions in YbB_{12} . **2021**, 63-83
- 78 Probing Small-Angle Molecular Motions with EPR Spectroscopy: Dynamical Transition and Molecular Packing in Disordered Solids. **2022**, 8, 19 0
- 77 Characterization of two-level system noise for microwave kinetic inductance detector comprising niobium film on silicon substrate.

76	Modeling the Glass Transition of Free-Standing Polymer Thin Films Using the BL-TS2 Mean-Field Approach. 2022 , 55, 873-882	1
75	Strain-spectroscopy of strongly interacting defects in superconducting qubits. 2022 , 35, 035005	
74	Emergence of two-level systems in glass formers: a kinetic Monte Carlo study.. 2022 ,	0
73	Universality of ultrasonic attenuation coefficient of amorphous systems at low temperatures.. 2022 , 12, 2662	0
72	Probing Hundreds of Individual Quantum Defects in Polycrystalline and Amorphous Alumina. 2022 , 17,	0
71	Random quench predicts universal properties of amorphous solids. 2022 , 12,	0
70	Probing defect densities at the edges and inside Josephson junctions of superconducting qubits. 2022 , 8,	2
69	Ultrastable glasses: new perspectives for an old problem. 1	2
68	Amorphous solids as fuzzy crystals: A Debye-like theory of low-temperature specific heat. 2022 , 440, 168835	
67	Low-Frequency Excess Vibrational Modes in Two-Dimensional Glasses.. 2021 , 127, 248001	4
66	Universal non-Debye low-frequency vibrations in sheared amorphous solids.. 2022 ,	2
65	A universal dimensionless length scale in medium range order amorphous structures.. 2022 ,	
64	Mesoscopic quantum thermo-mechanics: A new frontier of experimental physics. 2022 , 4, 020501	0
63	Sound Absorption in Glasses.	1
62	Benchmarking Noise and Dephasing in Emerging Electrical Materials for Quantum Technologies.. 2022 , e2109671	1
61	Marginal stability of soft anharmonic mean field spin glasses. 2022 , 2022, 053301	2
60	arXiv:1908.01988 1988 ,	
59	arXiv:1908.01988 1988 ,	0

58 ~~1989~~1989,

57 ~~1989~~1989,

56 ~~1990~~SiO₂. 1990,

55 ~~1990~~
~~1990~~Si:H. 1990,

54 ~~1991~~1991,

53 ~~1998~~
~~1998~~1998,

52 ~~1999~~1999,

51 Eminuscent phase in frustrated magnets: a challenge to quantum spin liquids. 2022, 13,

50 Role of Optical Phonons and Anharmonicity in the Appearance of the Heat Capacity Boson Peak-like Anomaly in Fully Ordered Molecular Crystals. 5061-5067

49 Particle motion in glasses. 1985, 94, 201-240

48 Evidence for cluster glass ground state in the potential giant dielectric constant material Ba(Fe_{1/2}Sn_{1/2})O₃. 2022, 165914

47 Anisotropy with respect to the applied magnetic field of spin qubit decoherence times. 2022, 8,

46 Systematic study on thermal conductivity of organic triangular lattice systems χ -X[Pd(dmit)₂]₂. 2022, 105,



45 Low-Temperature Physical Mechanism of Inelastic Strain of Metallic Glass.

44 Specific heat of thin phonon cavities at low temperature: Very high values revealed by zeptojoule calorimetry. 2022, 105,

43 Designing of semiconductive cotton fabrics based on poly (propynyl benzo thiazolone) with UV protection and antibacterial properties. 2022, 283, 115857

42 Defects of the hypervalent configuration type and their manifestation in properties of chalcogenide glasses. 2000, 26, 231-241

41 Myuller's concept of the viscous flow: Prospects for its evolution. 2000, 26, 205-216

40	Preface. 2001 , vii-x	
39	Copyright Page. 2001 , iv-iv	
38	Symbols. 2001 , xvii-xxv	
37	INTERNATIONAL SERIES OF MONOGRAPHS ON PHYSICS. 2001 , i-i	
36	Foreword. 2001 , v-vi	
35	Illustration. 2001 , xxvi-xxvi	
34	Disordered Crystals Reveal Soft Quasilocalized Glassy Excitations. 2022 , 129,	o
33	 2001 ,	o
32	From Vibrational Spectroscopy and Quantum Tunneling to Periodic Band Structures  Self-Supervised, All-Purpose Neural Network Approach to General Quantum Problems.	o
31	Modelling and analyzing the glass-like heat transfer behavior of rare-earth doped alkaline earth fluoride crystals. 2022 , 24, 6468-6476	o
30	Gate-Tunable Transmon Using Selective-Area-Grown Superconductor-Semiconductor Hybrid Structures on Silicon. 2022 , 18,	1
29	Honeycomb lattice iridate on the verge of Mott-collapse. 2022 , 34, 465602	o
28	Effects of laser-annealing on fixed-frequency superconducting qubits. 2022 , 121, 142601	o
27	Boson peak: Damped phonon in solids. 2022 , 121, 142204	o
26	Machine learning-assisted exploration of thermally conductive polymers based on high-throughput molecular dynamics simulations. 2022 , 28, 100850	o
25	Effect of vacancy defects on geometrically frustrated magnets. 2022 , 106,	o
24	Large extrinsic phonon thermal Hall effect from resonant scattering. 2022 , 106,	o
23	Sound absorption in glasses. 2022 , 9, 100078	o

22	Relaxation process of some Bismuthate glasses at low temperatures. 2023 , 649, 414436	0
21	Low-frequency vibrational states in ideal glasses with random pinning. 2022 , 106,	1
20	Relation between nanocluster approximation and Soft-Potential Model, the role of keystone nanocluster in the thermal conductivity. 2023 , 600, 122040	0
19	Feedback Stabilization of the Resonant Frequency in a Tunable Microwave Cavity with Single-Photon Occupancy. 2022 , 18,	0
18	Quantum uncertainty effects in the dynamics of supercooled liquids: A molecular dynamics study. 2022 , 106,	0
17	Mesoscopic physics of nanomechanical systems. 2022 , 94,	2
16	Internal mechanical dissipation mechanisms in amorphous silicon. 2022 , 6,	0
15	Microscopic observation of two-level systems in a metallic glass model.	0
14	Thermodynamics of a single mesoscopic phononic mode. 2023 , 5,	0
13	Enhancing the coherence of superconducting quantum bits with electric fields. 2023 , 9,	0
12	Dynamic correlations in lipid bilayer membranes over finite time intervals. 2023 , 158, 044112	0
11	Phonon Processes in Disordered Systems, Probed by Spectral Hole Burning and Refilling of Dyes. 1984 ,	0
10	Density of vibrational states in glasses. 1988 ,	0
9	Long-Lived Stimulated Photon Echo Studies of Protein and Glass Dynamics. 1994 ,	0
8	Photon echo spectroscopy on biological systems: Application to tissues and antigen-antibody systems. 1994 ,	0
7	Tunneling Dynamics and Spectral Diffusion in the Millikelvin Regime. 1994 ,	0
6	Nanomechanical damping via electron-assisted relaxation of two-level systems. 2023 , 107,	1
5	Thermally Induced Hole-filling Process In Donor-acceptor Electron Transfer System. 1994 ,	0

- 4 Are There Two-Level Systems in Crystals? Anomalous Temperature Broadening of Zero-Phonon Line of Perylene in N-Octane. **1992**,
- 3 Homogeneous Width of Eu³⁺ in Silicate Glass Fiber Measured by Accumulated Photon Echoes. **1994**,
- 2 Spectral diffusion decay for strongly interacting spins in glasses. **1991**,
- 1 Entropy-driven atomic activation in supercooled liquids and its link to the fragile-to-strong transition. **2023**, 66,