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#### Source Titles

#### Publication Years

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For advanced refine options, use

1. Title: **FORMATION OF GLASSES FROM LIQUIDS AND BIOPOLYMERS**  
Author(s): ANGELL CA  
Source: **SCIENCE** Volume: **267** Issue: **5206** Pages: **1924-1935** Published: **MAR 31 1995**  
Times Cited: **1,433**
2. Title: **RELAXATION IN LIQUIDS, POLYMERS AND PLASTIC CRYSTALS - STRONG FRAGILE PATTERNS AND PROBLEMS**  
Author(s): ANGELL CA  
Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: **131** Pages: **13-31**  
Part: **Part 1** Published: **JUN 1991**  
Times Cited: **869**
3. Title: **NONEXPONENTIAL RELAXATIONS IN STRONG AND FRAGILE GLASS FORMERS**  
Author(s): BOHMER R, NGAI KL, ANGELL CA, et al.  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **99** Issue: **5** Pages: **4201-4209**  
Published: **SEP 1 1993**  
Times Cited: **835**
4. Title: **Supercooled liquids and glasses**  
Author(s): Ediger MD, Angell CA, Nagel SR  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **100** Issue: **31** Pages: **13200-13212** Published: **AUG 1 1996**  
Times Cited: **790**
5. Title: **PERSPECTIVE ON THE GLASS-TRANSITION**  
Author(s): ANGELL CA  
Source: **JOURNAL OF PHYSICS AND CHEMISTRY OF SOLIDS** Volume: **49** Issue: **8**  
Pages: **863-871** Published: **1988**  
Times Cited: **509**
6. Title: **Relaxation in glassforming liquids and amorphous solids**  
Author(s): Angell CA, Ngai KL, McKenna GB, et al.  
Source: **JOURNAL OF APPLIED PHYSICS** Volume: **88** Issue: **6** Pages: **3113-3157**  
Published: **SEP 15 2000**  
Times Cited: **497**

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7. Title: [MOLECULAR-DYNAMICS STUDIES OF VITREOUS STATE - SIMPLE IONIC SYSTEMS AND SILICA](#)  
Author(s): WOODCOCK LV, ANGELL CA, CHEESEMAN P  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **65** Issue: **4** Pages: **1565-1577**  
Published: **1976**  
Times Cited: **426**  
 
8. Title: [ISOTHERMAL COMPRESSIBILITY OF SUPERCOOLED WATER AND EVIDENCE FOR A THERMODYNAMIC SINGULARITY AT -45DEGREESC](#)  
Author(s): SPEEDY RJ, ANGELL CA  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **65** Issue: **3** Pages: **851-858**  
Published: **1976**  
Times Cited: **386**  
 
9. Title: [VITRIFICATION AS AN APPROACH TO CRYOPRESERVATION](#)  
Author(s): FAHY GM, MACFARLANE DR, ANGELL CA, et al.  
Source: **CRYOBIOLOGY** Volume: **21** Issue: **4** Pages: **407-426** Published: **1984**  
Times Cited: **366**  
 
10. Title: [GLASS-FORMING COMPOSITION REGIONS AND GLASS TRANSITION TEMPERATURES FOR AQUEOUS ELECTROLYTE SOLUTIONS](#)  
Author(s): ANGELL CA, SARE EI  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **52** Issue: **3** Pages: **1058-&**  
Published: **1970**  
Times Cited: **322**  
 
11. Title: [PHASE-RELATIONS AND VITRIFICATION IN SACCHARIDE-WATER SOLUTIONS AND THE TREHALOSE ANOMALY](#)  
Author(s): GREEN JL, ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **93** Issue: **8** Pages: **2880-2882** Published: **APR 20 1989**  
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Author(s): ANGELL CA  
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Published: **1983**  
Times Cited: **304**  
 
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Author(s): ANGELL CA  
Source: **CHEMICAL REVIEWS** Volume: **90** Issue: **3** Pages: **523-542** Published: **MAY 1990**  
Times Cited: **302**  
 
14. Title: [Dynamics of glass-forming liquids. V. On the link between molecular dynamics and configurational entropy](#)  
Author(s): Richert R, Angell CA  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **108** Issue: **21** Pages: **9016-9026** Published: **JUN 1 1998**  
Times Cited: **265**  
 
15. Title: [RECENT DEVELOPMENTS IN FAST ION-TRANSPORT IN GLASSY AND AMORPHOUS MATERIALS](#)  
Author(s): ANGELL CA  
Source: **SOLID STATE IONICS** Volume: **18-9** Pages: **72-88** Part: **Part 1** Published: **JAN 1986**  
Times Cited: **243**  
 














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Author(s): ANGELL CA, SICHINA W  
Source: **ANNALS OF THE NEW YORK ACADEMY OF SCIENCES** Volume: **279** Issue: **OCT15** Pages: **53-67** Published: **1976**  
Times Cited: **241**  

17. Title: [Thermodynamic determination of fragility in liquids and a fragile-to-strong liquid transition in water](#)  
Author(s): Ito K, Moynihan CT, Angell CA  
Source: **NATURE** Volume: **398** Issue: **6727** Pages: **492-495** Published: **APR 8 1999**  
Times Cited: **231**  
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18. Title: [SPECTROSCOPY SIMULATION AND SCATTERING, AND THE MEDIUM RANGE ORDER PROBLEM IN GLASS](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: **73** Issue: **1-3** Pages: **1-17** Published: **1985**  
Times Cited: **227**  
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19. Title: [CONFIGURATIONAL EXCITATIONS IN CONDENSED MATTER, AND BOND LATTICE MODEL FOR LIQUID-GLASS TRANSITION](#)  
Author(s): ANGELL CA, RAO KJ  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **57** Issue: **1** Pages: **470-&** Published: **1972**  
Times Cited: **226**  
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20. Title: [FAST ION MOTION IN GLASSY AND AMORPHOUS MATERIALS](#)  
Author(s): ANGELL CA  
Source: **SOLID STATE IONICS** Volume: **9-10** Issue: **DEC** Pages: **3-16** Published: **1983**  
Times Cited: **221**  
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21. Title: [EFFECT OF HYDROGEN-BONDS ON THE THERMODYNAMIC BEHAVIOR OF LIQUID WATER](#)  
Author(s): POOLE PH, SCIORTINO F, GRANDE T, et al.  
Source: **PHYSICAL REVIEW LETTERS** Volume: **73** Issue: **12** Pages: **1632-1635** Published: **SEP 19 1994**  
Times Cited: **213**  
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22. Title: [MOBILE IONS IN AMORPHOUS SOLIDS](#)  
Author(s): ANGELL CA  
Source: **ANNUAL REVIEW OF PHYSICAL CHEMISTRY** Volume: **43** Pages: **693-717** Published: **1992**  
Times Cited: **205**  
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23. Title: [CORRELATIONS OF THE NONEXPONENTIALITY AND STATE DEPENDENCE OF MECHANICAL RELAXATIONS WITH BOND CONNECTIVITY IN GE-AS-SE SUPERCOOLED LIQUIDS](#)  
Author(s): BOHMER R, ANGELL CA  
Source: **PHYSICAL REVIEW B** Volume: **45** Issue: **17** Pages: **10091-10094** Published: **MAY 1 1992**  
Times Cited: **197**  

24. Title: [RUBBERY SOLID ELECTROLYTES WITH DOMINANT CATIONIC TRANSPORT AND HIGH AMBIENT CONDUCTIVITY](#)  
Author(s): ANGELL CA, LIU C, SANCHEZ E  
Source: **NATURE** Volume: **362** Issue: **6416** Pages: **137-139** Published: **MAR 11 1993**  
Times Cited: **190**

25. Title: [DC AND AC CONDUCTIVITY IN WIDE COMPOSITION RANGE LI2O-P2O5 GLASSES](#)  
Author(s): MARTIN SW, ANGELL CA  
Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: **83** Issue: **1-2** Pages: **185-207** Published: **JUN 1986**  
Times Cited: **190**
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Author(s): ANGELL CA, SMITH DL  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **86** Issue: **19** Pages: **3845-3852** Published: **1982**  
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Author(s): Poole PH, Grande T, Angell CA, et al.  
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Author(s): TATSUMISAGO M, HALFPAP BL, GREEN JL, et al.  
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Times Cited: **178**
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29. Title: [STRUCTURAL INSTABILITY AND RELAXATION IN LIQUID AND GLASSY PHASES NEAR THE FRAGILE LIQUID LIMIT](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF NON-CRYSTALLINE SOLIDS** Volume: **102** Issue: **1-3** Pages: **205-221** Published: **JUN 1988**  
Times Cited: **174**
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30. Title: [A thermodynamic connection to the fragility of glass-forming liquids](#)  
Author(s): Martinez LM, Angell CA  
Source: **NATURE** Volume: **410** Issue: **6829** Pages: **663-667** Published: **APR 5 2001**  
Times Cited: **166**
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31. Title: [FREE VOLUME MODEL FOR TRANSPORT IN FUSED SALTS - ELECTRICAL CONDUCTANCE IN GLASS-FORMING NITRATE MELTS](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **68** Issue: **7** Pages: **1917-&** Published: **1964**  
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Author(s): ANGELL CA, SHUPPERT J, TUCKER JC  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **77** Issue: **26** Pages: **3092-3099** Published: **1973**  
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33. Title: [Entropy and fragility in supercooling liquids](#)  
Author(s): Angell CA  
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34. Title: [THE PROTEIN-CLASS ANALOGY - SOME INSIGHTS FROM HOMOPEPTIDE COMPARISONS](#)  
Author(s): GREEN JL, FAN J, ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: 98 Issue: 51 Pages: 13780-13790 Published: DEC 22 1994  
Times Cited: 144
35. Title: [PRESSURE ENHANCEMENT OF ION MOBILITIES IN LIQUID SILICATES FROM COMPUTER-SIMULATION STUDIES TO 800-KILOBARS](#)  
Author(s): ANGELL CA, CHEESEMAN PA, TAMADDON S  
Source: **SCIENCE** Volume: 218 Issue: 4575 Pages: 885-887 Published: 1982  
Times Cited: 141
36. Title: [FREE VOLUME-ENTROPY INTERPRETATION OF ELECTRICAL CONDUCTANCE OF AQUEOUS ELECTROLYTE SOLUTIONS IN CONCENTRATION RANGE 2-20 N](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: 70 Issue: 12 Pages: 3988-& Published: 1966  
Times Cited: 137
37. Title: [HEAT-CAPACITY OF WATER AT EXTREMES OF SUPERCOOLING AND SUPERHEATING](#)  
Author(s): ANGELL CA, OGUNI M, SICHINA WJ  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: 86 Issue: 6 Pages: 998-1002 Published: 1982  
Times Cited: 134
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Author(s): Velikov V, Borick S, Angell CA  
Source: **SCIENCE** Volume: 294 Issue: 5550 Pages: 2335-2338 Published: DEC 14 2001  
Times Cited: 127
39. Title: [SHORT-TIME STRUCTURAL RELAXATION PROCESSES IN LIQUIDS - COMPARISON OF EXPERIMENTAL AND COMPUTER-SIMULATION GLASS TRANSITIONS ON PICOSECOND TIME SCALES](#)  
Author(s): ANGELL CA, TORELL LM  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: 78 Issue: 2 Pages: 937-945 Published: 1983  
Times Cited: 127
40. Title: [FLUIDITY AND CONDUCTANCE IN AQUEOUS-ELECTROLYTE SOLUTIONS - APPROACH FROM GLASSY STATE AND HIGH-CONCENTRATION LIMIT .1. CA\(NO3\)2 SOLUTIONS](#)  
Author(s): ANGELL CA, BRESSEL RD  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: 76 Issue: 22 Pages: 3244-& Published: 1972  
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41. Title: [SUPERCOOLING OF WATER TO -92DEGREESC UNDER PRESSURE](#)  
Author(s): KANNO H, SPEEDY RJ, ANGELL CA  
Source: **SCIENCE** Volume: 189 Issue: 4206 Pages: 880-881 Published: 1975  
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42. Title: [OXIDE GLASSES IN LIGHT OF IDEAL GLASS CONCEPT .I. IDEAL AND NONIDEAL TRANSITIONS AND DEPARTURES FROM IDEALITY](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF THE AMERICAN CERAMIC SOCIETY** Volume: **51** Issue: **3**  
Pages: **117-&** Published: **1968**  
Times Cited: **111**  

43. Title: [Ionic liquids: Ion mobilities, glass temperatures, and fragilities](#)  
Author(s): Xu W, Cooper EI, Angell CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY B** Volume: **107** Issue: **25** Pages: **6170-6178** Published: **JUN 26 2003**  
Times Cited: **109**  

44. Title: [GLASS-TRANSITION TEMPERATURES FOR SIMPLE MOLECULAR LIQUIDS AND THEIR BINARY-SOLUTIONS](#)  
Author(s): ANGELL CA, SARE JM, SARE EJ  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **82** Issue: **24** Pages: **2622-2629** Published: **1978**  
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45. Title: [ON IMPORTANCE OF METASTABLE LIQUID STATE AND GLASS TRANSITION PHENOMENON TO TRANSPORT AND STRUCTURE STUDIES IN IONIC LIQUIDS .I. TRANSPORT PROPERTIES](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **70** Issue: **9** Pages: **2793-&** Published: **1966**  
Times Cited: **108**  
 
46. Title: [2-STATE THERMODYNAMICS AND TRANSPORT PROPERTIES FOR WATER AS ZEROth-ORDER RESULTS OF A BOND LATTICE MODEL](#)  
Author(s): ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **75** Issue: **24** Pages: **3698-&** Published: **1971**  
Times Cited: **107**  
 
47. Title: [LiBOB as salt for lithium-ion batteries - A possible solution for high temperature operation](#)  
Author(s): Xu K, Zhang SS, Jow TR, et al.  
Source: **ELECTROCHEMICAL AND SOLID STATE LETTERS** Volume: **5** Issue: **1**  
Pages: **A26-A29** Published: **JAN 2002**  
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48. Title: [DIFFUSIVITY OF THE HARD-SPHERE MODEL IN THE REGION OF FLUID METASTABILITY](#)  
Author(s): WOODCOCK LV, ANGELL CA  
Source: **PHYSICAL REVIEW LETTERS** Volume: **47** Issue: **16** Pages: **1129-1132** Published: **1981**  
Times Cited: **100**  
 
49. Title: [STRUCTURE AND GLASS TRANSITION THERMODYNAMICS OF LIQUID ZINC CHLORIDE FROM FAR-INFRARED, RAMAN, AND PROBE ION ELECTRONIC AND VIBRATIONAL SPECTRA](#)  
Author(s): ANGELL CA, WONG J  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **53** Issue: **5** Pages: **2053-&** Published: **1970**  
Times Cited: **100**  
 
50. Title: [GLASS-FORMING LIQUIDS, ANOMALOUS LIQUIDS, AND POLYAMORPHISM IN LIQUIDS AND BIOPOLYMERS](#)  
Author(s): ANGELL CA, POOLE PH, SHAO J

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Author(s): WOODCOCK LV, ANGELL CA  
Source: **PHYSICAL REVIEW LETTERS** Volume: 47 Issue: 16 Pages: 1129-1132  
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Author(s): ZHENG Q, DURBEN DJ, WOLF GH, et al.  
Source: **SCIENCE** Volume: 254 Issue: 5033 Pages: 829-832 Published: NOV 8 1991  
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- 53. Title: [STRUCTURE AND GLASS TRANSITION THERMODYNAMICS OF LIQUID ZINC CHLORIDE FROM FAR-INFRARED, RAMAN, AND PROBE ION ELECTRONIC AND VIBRATIONAL SPECTRA](#)  
Author(s): ANGELL CA, WONG J  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: 53 Issue: 5 Pages: 2053-8 Published: 1970  
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- 54. Title: [GLASS-FORMING LIQUIDS, ANOMALOUS LIQUIDS, AND POLYAMORPHISM IN LIQUIDS AND BIOPOLYMERS](#)  
Author(s): ANGELL CA, POOLE PH, SHAO J  
Source: **NUOVO CIMENTO DELLA SOCIETA ITALIANA DI FISICA D-CONDENSED MATTER ATOMIC MOLECULAR AND CHEMICAL PHYSICS FLUIDS PLASMAS BIOPHYSICS** Volume: 16 Issue: 8 Pages: 993-1025 Published: AUG 1994  
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Author(s): ANGELL CA  
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56. Title: [HEAT-CAPACITIES OF H<sub>2</sub>O+H<sub>2</sub>O<sub>2</sub>, AND H<sub>2</sub>O+N<sub>2</sub>H<sub>4</sub>, BINARY-SOLUTIONS - ISOLATION OF A SINGULAR COMPONENT FOR CP OF SUPERCOOLED WATER](#)  
Author(s): OGUNI M, ANGELL CA  
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Author(s): Xu W, Angell CA  
Source: **ELECTROCHEMICAL AND SOLID STATE LETTERS** Volume: **4** Issue: **1** Pages: **E1-E4** Published: **JAN 2001**  
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58. Title: [A NEW CLASS OF MOLTEN SALT MIXTURES - HYDRATED DIPOSITIVE ION AS AN INDEPENDENT CATION SPECIES](#)  
Author(s): ANGELL CA  
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59. Title: [Why C-1=16-17 in the WLF equation is physical - and the fragility of polymers](#)  
Author(s): Angell CA  
Source: **POLYMER** Volume: **38** Issue: **26** Pages: **6261-6266** Published: **DEC 1997**  
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60. Title: [Solvent-free electrolytes with aqueous solution - Like conductivities](#)  
Author(s): Xu W, Angell CA  
Source: **SCIENCE** Volume: **302** Issue: **5644** Pages: **422-425** Published: **OCT 17 2003**  
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61. Title: [Water and its anomalies in perspective: tetrahedral liquids with and without liquid-liquid phase transitions](#)  
Author(s): Angell CA, Bressel RD, Hemmati M, et al.  
Source: **PHYSICAL CHEMISTRY CHEMICAL PHYSICS** Volume: **2** Issue: **8** Pages: **1559-1566** Published: **2000**  
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Author(s): Yoshizawa M, Xu W, Angell CA  
Source: **JOURNAL OF THE AMERICAN CHEMICAL SOCIETY** Volume: **125** Issue: **50** Pages: **15411-15419** Published: **DEC 17 2003**  
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63. Title: [PRESSURE-DEPENDENCE OF THE GLASS-TRANSITION TEMPERATURE IN MOLECULAR LIQUIDS AND PLASTIC CRYSTALS](#)  
Author(s): ATAKE T, ANGELL CA  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **83** Issue: **25** Pages: **3218-3223** Published: **1979**  
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64. Title: [Finite size effects in simulations of glass dynamics](#)  
Author(s): Horbach J, Kob W, Binder K, et al.  
Source: **PHYSICAL REVIEW E** Volume: **54** Issue: **6** Pages: **R5897-R5900**  
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Times Cited: **87**  
 
65. Title: [THERMODYNAMIC ASPECTS OF THE VITRIFICATION OF TOLUENE, AND XYLENE ISOMERS, AND THE FRAGILITY OF LIQUID HYDROCARBONS](#)  
Author(s): ALBA C, BUSSE LE, LIST DJ, et al.  
Source: **JOURNAL OF CHEMICAL PHYSICS** Volume: **92** Issue: **1** Pages: **617-624** Published: **JAN 1 1990**  
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66. Title: [HEAT-CAPACITY CHANGES IN GLASS-FORMING AQUEOUS-SOLUTIONS AND THE GLASS-TRANSITION IN VITREOUS WATER](#)  
Author(s): ANGELL CA, TUCKER JC  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **84** Issue: **3** Pages: **268-272** Published: **1980**  
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67. Title: [CONDUCTANCE, VISCOSITY, DENSITY, PROTON MAGNETIC RESONANCE SPECTRA, AND GLASS TRANSITION TEMPERATURES OF CALCIUM NITRATE TETRAHYDRATE-CADMIUM NITRATE TETRAHYDRATE MELTS . AN IDEAL FUSED SALT SYSTEM](#)  
Author(s): MOYNIHAN CT, SMALLEY CR, ANGELL CA, et al.  
Source: **JOURNAL OF PHYSICAL CHEMISTRY** Volume: **73** Issue: **7** Pages: **2287-&** Published: **1969**  
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68. Title: [Polarization effects, network dynamics, and the infrared spectrum of amorphous SiO2](#)  
Author(s): Wilson M, Madden PA, Hemmati M, et al.  
Source: **PHYSICAL REVIEW LETTERS** Volume: **77** Issue: **19** Pages: **4023-4026**  
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