# Kenichi Kinugawa

List of Publications by Year
in descending order



| 35 | 638 | 566801 15 | 580395 25 |
|---|---|---|---|
| papers | citations | h-index | g-index |

| 35 | 35 | 35 | 293 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Path integral centroid molecular dynamics study of the dynamic structure factors of liquid para-hydrogen. Chemical Physics Letters, 1998, 292, 454-460. | 1.2 | 78 |
| 2 | Centroid path integral molecular dynamics simulation of lithium para-hydrogen clusters. Journal of Chemical Physics, 1997, 106, 1154-1169. | 1.2 | 69 |
| 3 | A path integral centroid molecular dynamics study of nonsuperfluid liquid helium-4. Journal of Chemical Physics, 1999, 110, 4523-4532. | 1.2 | 55 |
| 4 | Transport properties of liquid para-hydrogen: The path integral centroid molecular dynamics approach. Journal of Chemical Physics, 2003, 119, 9651-9660. | 1.2 | 54 |
| 5 | Molecular collective dynamics in solid para-hydrogen and ortho-deuterium: The Parrinelloâ€“Rahman-type path integral centroid molecular dynamics approach. Journal of Chemical Physics, 2003, 119, 953-963. | 1.2 | 45 |
| 6 | Centroid molecular dynamics approach to the transport properties of liquid para-hydrogen over the wide temperature range. Journal of Chemical Physics, 2004, 120, 10624-10633. | 1.2 | 40 |
| 7 | Centroid path integral molecular-dynamics studies of a para-hydrogen slab containing a lithium impurity. Journal of Chemical Physics, 1998, 109, 610-617. | 1.2 | 38 |
| 8 | Effective potential analytic continuation approach for real time quantum correlation functions involving nonlinear operators. Journal of Chemical Physics, 2005, 122, 174104. | 1.2 | 35 |
| 9 | Molecular dynamics simulations on the hydration of fluoroalcohols. Journal of Chemical Physics, 1988, 89, 5834-5842. | 1.2 | 24 |
| 10 | Quantum effect on the internal proton transfer and structural fluctuation in the H[sub 5][sup +] cluster. Journal of Chemical Physics, 2004, 121, 10991. | 1.2 | 24 |
| 11 | A semiclassical approach to the dynamics of many-body Bose/Fermi systems by the path integral centroid molecular dynamics. Journal of Chemical Physics, 2001, 114, 1454-1466. | 1.2 | 22 |
| 12 | Ab initio centroid path integral molecular dynamics: Application to vibrational dynamics of diatomic molecular systems. Journal of Chemical Physics, 2004, 120, 312-320. | 1.2 | 21 |
| 13 | Raman spectroscopic study on the structure of ZnCl2î—¸ZnX2 and ZnCl2î—¸KX (X = Br, I) glasses. Journal of Non-Crystalline Solids, 1989, 110, 265-272. | 1.5 | 18 |
| 14 | Path integral centroid molecular dynamics method for Bose and Fermi statistics: formalism and simulation. Chemical Physics Letters, 1999, 307, 187-197. | 1.2 | 18 |
| 15 | Quantum dynamical correlations: Effective potential analytic continuation approach. Journal of Chemical Physics, 2003, 119, 4629-4640. | 1.2 | 16 |
| 16 | Novel halide glasses based on systems of LiX (X = Cl, Br, I). Journal of Non-Crystalline Solids, 1990, 122, 214-215. | 1.5 | 11 |
| 17 | Collective dynamics of alkali chloride glasses: Molecular dynamics analyses of the dynamic structure factors. Journal of Chemical Physics, 1992, 97, 8581-8595. | 1.2 | 10 |
| 18 | Preparation and vibrational spectroscopy of ZnI2-based glasses. Journal of Non-Crystalline Solids, 1990, 116, 33-38. | 1.5 | 9 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Unified quantum molecular dynamics method based on centroid molecular dynamics and semiempirical molecular orbital theory. International Journal of Quantum Chemistry, 2003, 95, 372-379. | 1.0 | 7 |
| 20 | Pulsed neutron diffraction study on the structures of glassy 7LiXâ€“KXâ€“CsXâ€“BaX2 (X=Cl, Br, and I). Journal of Chemical Physics, 1993, 99, 5345-5351. | 1.2 | 6 |
| 21 | A path integral centroid molecular dynamics method for Bose and Fermi statistics. Journal of Molecular Liquids, 2001, 90, 11-20. | 2.3 | 5 |
| 22 | Quantumness and state boundaries hidden in supercritical helium-4: A path integral centroid molecular dynamics study. Journal of Chemical Physics, 2018, 149, 204504. | 1.2 | 5 |
| 23 | Transport coefficients of normal liquid helium-4 calculated by path integral centroid molecular dynamics simulation. Chemical Physics Letters, 2017, 671, 174-181. | 1.2 | 5 |
| 24 | Glass Formation in Systems Based on AgX (X=Cl, Br or I). Journal of the Ceramic Society of Japan, 1992, 100, 233-235. | 1.3 | 4 |
| 25 | Dynamical properties of an alkali chloride mixture in the glassy and liquid states. Journal of Non-Crystalline Solids, 1992, 150, 281-286. | 1.5 | 4 |
| 26 | Structures of disordered alkali chlorides in normal and compressed states: An isothermal-isobaric molecular-dynamics study. Physical Review B, 1993, 48, 10097-10109. | 1.1 | 3 |
| 27 | Path Integral Centroid Molecular Dynamics Simulation Extended to Bose and Fermi Statistics. Progress of Theoretical Physics Supplement, 2000, 138, 531-532. | 0.2 | 3 |
| 28 | Effective potential analytic continuation calculations of real time quantum correlation functions: Asymmetric systems. Journal of Chemical Physics, 2004, 121, 2891-2898. | 1.2 | 3 |
| 29 | Quantum polyamorphism in compressed distinguishable helium-4. Journal of Chemical Physics, 2021, 154, 224503. | 1.2 | 2 |
| 30 | New halide glasses based on systems of CuX (X=Cl, Br, I). Journal of Materials Science Letters, 1991, 10, 21-22. | 0.5 | 1 |
| 31 | Quantum Spin Dynamics by Path Integral Centroid Molecular Dynamics Method. Progress of Theoretical Physics Supplement, 2000, 138, 533-534. | 0.2 | 1 |
| 32 | Path integral centroid molecular dynamics simulation of para-hydrogen sandwiched by graphene sheets. Chemical Physics Letters, 2016, 664, 114-119. | 1.2 | 1 |
| 33 | EXAFS Studies of Zinc Halide Glassesâ€“Mixed Halide Systems. Japanese Journal of Applied Physics, 1993, 32, 661. | 0.8 | 1 |
| 34 | Ionic Dynamics of Alkali Chloride Systems in the Supercooled and Glassy States: Analyses of Inherent Structures. Molecular Simulation, 1996, 16, 275-289. | 0.9 | 0 |
| 35 | MOLECULAR DYNAMICS SIMULATION OF MIXED ALKALI HALIDE GLASS. , 1991, , 385-388. | | 0 |