Jr Dorfman

List of Publications by Year
in descending order

16 papers	703 citations	933264 10 h-index	940416 16 g-index
16 all docs	16 docs citations	16 times ranked	212 citing authors

#	Article	IF	Citations
1	Hard-sphere dynamics and binary-collision operators. Physica, 1969, 45, 127-146.	0.9	185
2	Nonanalytic dispersion relations in classical fluids. Physica, 1972, 61, 157-181.	0.9	134
3	On the density expansion of the pair distribution function for a dense gas not in equilibrium. Physics Letters, 1965, 16, 124-125.	2.2	115
4	Transport coefficients in dense gases I. Physica, 1965, 31, 493-521.	0.9	57
5	Composition dependence of the viscosity of dense gas mixtures. Physica A: Statistical Mechanics and Its Applications, 1977, 86, 205-223.	1.2	48
6	Composition dependence of the thermal conductivity of dense gas mixtures. Physica A: Statistical Mechanics and Its Applications, 1978, 91, 377-392.	1.2	34
7	Advances and challenges in the kinetic theory of gases. Physica A: Statistical Mechanics and Its Applications, 1981, 106, 77-101.	1.2	31
8	Dynamical systems theory and transport coefficients: A survey with applications to Lorentz gases. Physica A: Statistical Mechanics and Its Applications, 1997, 240, 12-42.	1.2	24
9	Crossover from diffusive to ballistic transport in periodic quantum maps. Physica D: Nonlinear Phenomena, 2004, 187, 223-243.	1.3	15
10	Diffusive Lorentz gases and multibaker maps are compatible with irreversible thermodynamics. Physica A: Statistical Mechanics and Its Applications, 2003, 323, 294-322.	1.2	11
11	Deterministic chaos and the foundations of the kinetic theory of gases. Physics Reports, 1998, 301, 151-185.	10.3	10
12	Transport coefficients from correlation functions and distribution functions. Physics Letters, 1964, 12, 319-320.	2.2	9
13	Kinetic theory of drag on objects in nearly free molecular flow. Physica A: Statistical Mechanics and Its Applications, 2014, 413, 409-425.	1.2	9
14	Entropy production in a persistent random walk. Physica A: Statistical Mechanics and Its Applications, 2000, 282, 427-449.	1.2	8
15	On thermostats and entropy production. Physica A: Statistical Mechanics and Its Applications, 2000, 279, 21-29.	1.2	7
16	Kinetic theory of the drag force on objects in rarefied gas flows. Physica A: Statistical Mechanics and Its Applications, 1986, 134, 283-322.	1.2	6