Jurgen Schnitker

List of Publications by Year
in descending order

16 papers	1,624 citations	567281 15 h-index	940533 16 g-index
16 all docs	16 docs citations	16 times ranked	798 citing authors

#	Article	IF	Citations
1	The hydrated electron: quantum simulation of structure, spectroscopy, and dynamics. The Journal of Physical Chemistry, 1988, 92, 4277-4285.	2.9	305
2	Solvation dynamics of the hydrated electron: A nonadiabatic quantum simulation. Physical Review Letters, 1991, 66, 3172-3175.	7.8	235
3	Quantum simulation study of the hydrated electron. Journal of Chemical Physics, 1987, 86, 3471-3485.	3.0	191
4	An electronâ€“water pseudopotential for condensed phase simulation. Journal of Chemical Physics, 1987, 86, 3462-3470.	3.0	186
5	A prioricalculation of the optical absorption spectrum of the hydrated electron. Physical Review Letters, 1988, 60, 456-459.	7.8	173
6	Stress relaxation and misfit dislocation nucleation in the growth of misfitting films: A molecular dynamics simulation study. Journal of Applied Physics, 1998, 83, 217-227.	2.5	116
7	Model dependence of quantum isotope effects in liquid water. Journal of Chemical Physics, 1991, 95, 3728-3737.	3.0	92
8	Electron localization in liquid water: A computer simulation study of microscopic trapping sites. Journal of Chemical Physics, 1986, 85, 2986-2998.	3.0	90
9	How the unit cell surface charge distribution affects the energetics of ionâ€“solvent interactions in simulations. Journal of Chemical Physics, 1994, 101, 5024-5031.	3.0	65
10	Melting of twoâ€dimensional colloidal crystals: A simulation study of the Yukawa system. Journal of Chemical Physics, 1994, 100, 3114-3121.	3.0	50
11	Transient photophysical holeâ€burning spectroscopy of the hydrated electron: A quantum dynamical simulation. Journal of Chemical Physics, 1989, 90, 6916-6924.	3.0	30
12	Two-dimensional melting revisited. Molecular Physics, 1993, 80, 1-24.	1.7	27
13	A comparison of classical and quantum analyses of electron localization sites in liquid water. Journal of Chemical Physics, 1992, 97, 2055-2060.	3.0	21
14	Quantum simulations of aqueous systems. Journal of Statistical Physics, 1986, 43, 949-965.	1.2	17
15	Response to â€œComment on â€˜An electron-water pseudopotential for condensed phase simulationâ€™â€‰â€•[J. Chem. Phys. 131, 037101 (2009)]. Journal of Chemical Physics, 2009, 131, .	3.0	15
16	The reaction field method in molecular dynamics simulations of point-polarizable water models. Molecular Physics, 1996, 88, 1089-1108.	1.7	11