

# Peter J Reynolds

## List of Publications by Year in descending order

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15  
papers

1,871  
citations

933447

10  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

842  
citing authors

#	ARTICLE	IF	CITATIONS
1		3.0	970
2	Large-cell Monte Carlo renormalization group for percolation. Physical Review B, 1980, 21, 1223-1245.	3.2	439
3	Valence quantum Monte Carlo with ab initio effective core potentials. Journal of Chemical Physics, 1987, 87, 1130-1136.	3.0	141
4	Renormalization-Group Approach to the Percolation Properties of the Triangular Ising Model. Physical Review Letters, 1978, 41, 1145-1148.	7.8	75
5	Site-bond percolation by position-space renormalization group. Physics Letters, Section A: General, Atomic and Solid State Physics, 1979, 71, 252-254.	2.1	58
6	Quantum Monte Carlo calculation of the singlet-triplet splitting in methylene. Journal of Chemical Physics, 1985, 82, 1983-1990.	3.0	54
7	Damped-Core Quantum Monte Carlo Method: Effective Treatment for Large-Z Systems. Physical Review Letters, 1988, 61, 2312-2315.	7.8	39
8	Monte Carlo study of electron correlation functions for small molecules. Theoretica Chimica Acta, 1989, 75, 353-368.	0.8	27
9	Between Classical and Quantum Monte Carlo Methods: Variational QMC. Advances in Chemical Physics, 0, , 37-64.	0.3	19
10	Universality of four-coordinated correlated percolation and random percolation. Physics Letters, Section A: General, Atomic and Solid State Physics, 1980, 80, 357-360.	2.1	12
11	Radius of clusters at the percolation threshold: A position space renormalization group study. Zeitschrift für Physik B Condensed Matter and Quanta, 1981, 45, 123-128.	1.9	11
12	Spatial-partitioning-based acceleration for variational Monte Carlo. Journal of Chemical Physics, 1999, 111, 6180-6189.	3.0	8
13	Study of dipole moments of LiSr and KRb molecules by quantum Monte Carlo methods. Molecular Physics, 2013, 111, 1744-1752.	1.7	8
14	Overcoming the large-Z problem in quantum monte carlo. International Journal of Quantum Chemistry, 1990, 38, 679-680.	2.0	7
15	Introduction to the special issue on quantum imaging. Quantum Information Processing, 2012, 11, 887-889.	2.2	3