

# Jan Urbik

## List of Publications by Year in descending order

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37  
papers

484  
citations

687363

13  
h-index

677142

22  
g-index

38  
all docs

38  
docs citations

38  
times ranked

175  
citing authors

#	ARTICLE	IF	CITATIONS
1	Note: A pure-sampling quantum Monte Carlo algorithm with independent Metropolis. Journal of Chemical Physics, 2016, 145, 026101.	3.0	2
2	Confidence Regions Based on Edgeworth Expansion. Communications in Statistics Part B: Simulation and Computation, 2009, 38, 1004-1018.	1.2	1
3	Monte Carlo computation of ground-state energy derivatives. International Journal of Quantum Chemistry, 2008, 108, 493-502.	2.0	2
4	Kepler problem with time-dependent and resonant perturbations. Journal of Mathematical Physics, 2007, 48, 052701.	1.1	2
5	Towards a field-free quantum Monte Carlo approach to polarizabilities of excited states: Application to the n=2 hydrogen atom. Chemical Physics Letters, 2007, 445, 345-349.	2.6	4
6	Solving Lunar problem via perturbed K�S equation. New Astronomy, 2006, 11, 366-373.	1.8	4
7	Population moments of sampling distributions. Computational Statistics, 2005, 20, 611-621.	1.5	13
8	Zonal-Harmonics Perturbations. Celestial Mechanics and Dynamical Astronomy, 2005, 91, 217-237.	1.4	9
9	Moments of AR(1)-Model Estimators. Communications in Statistics Part B: Simulation and Computation, 2005, 34, 595-600.	1.2	0
10	A novel solution to Kepler's problem. European Journal of Physics, 2003, 24, 575-583.	0.6	5
11	Quaternionic Processor. Celestial Mechanics and Dynamical Astronomy, 2001, 80, 111-118.	1.4	2
12	Perturbative solution of the motion of an asteroid in resonance with Jupiter. Monthly Notices of the Royal Astronomical Society, 2000, 316, 459-463.	4.4	2
13	Simple Simulation of Solar System. Astrophysics and Space Science, 1999, 266, 557-567.	1.4	0
14	ITERATIVE SOLUTION TO PERTURBED KEPLER PROBLEM VIA KUSTAAHEIMO'S STIEFEL EQUATION. Celestial Mechanics and Dynamical Astronomy, 1998, 71, 273-287.	1.4	2
15	Diffusion quantum Monte Carlo calculation of nondifferential properties for atomic ground states. Journal of Chemical Physics, 1997, 107, 8525-8535.	3.0	55
16	Novel Analysis of Tadpole and Horseshoe Orbits. Celestial Mechanics and Dynamical Astronomy, 1997, 69, 283-291.	1.4	2
17	Resonance formation of Kirkwood gaps and asteroid clusters. Journal of Physics A, 1996, 29, 3311-3316.	1.6	4
18	Two-body perturbed problem revisited. Canadian Journal of Physics, 1995, 73, 193-198.	1.1	2

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19	Infinitesimal differential diffusion quantum Monte Carlo study of CuH spectroscopic constants. Journal of Chemical Physics, 1993, 98, 6401-6405.	3.0	33
20	Chain sliding off a table. American Journal of Physics, 1993, 61, 258-261.	0.7	5
21	Infinitesimal differential diffusion quantum Monte Carlo study of diatomic vibrational frequencies. Journal of Chemical Physics, 1992, 96, 2071-2076.	3.0	28
22	Optimization of quantum Monte Carlo wavefunctions using analytical derivatives. Canadian Journal of Chemistry, 1992, 70, 366-371.	1.1	24
23	A method for relativistic variational Monte Carlo calculations. Chemical Physics Letters, 1992, 190, 413-416.	2.6	7
24	Reply to "Comment on: Sampling the exact electron distribution by diffusion quantum Monte Carlo". Journal of Chemical Physics, 1990, 92, 2120-2120.	3.0	7
25	Infinitesimal differential diffusion quantum Monte Carlo: Diatomic molecular properties. Journal of Chemical Physics, 1990, 92, 1221-1227.	3.0	42
26	Statistical error of diffusion Monte Carlo. Journal of Computational Physics, 1988, 74, 127-142.	3.8	14
27	Reliable diffusion quantum Monte Carlo. Journal of Chemical Physics, 1988, 89, 3629-3637.	3.0	51
28	Sampling the exact electron distribution by diffusion quantum Monte Carlo. Journal of Chemical Physics, 1988, 89, 4880-4884.	3.0	31
29	Estimating the relativistic energy by diffusion quantum Monte Carlo. Journal of Chemical Physics, 1988, 88, 3784-3787.	3.0	23
30	A Green's function used in diffusion Monte Carlo. Journal of Chemical Physics, 1987, 87, 1902-1903.	3.0	8
31	Time step error in diffusion Monte Carlo simulations: An empirical study. Journal of Computational Chemistry, 1987, 8, 412-419.	3.3	17
32	Quadratic accuracy diffusion Monte Carlo. Journal of Computational Physics, 1986, 63, 130-139.	3.8	36
33	Optimal spacing and weights in diffusion monte carlo. International Journal of Quantum Chemistry, 1986, 29, 461-468.	2.0	17
34	Asymptotic distribution of the coefficient of cross-association based on a simple Markov-chain model. Journal of Applied Probability, 1985, 22, 946-950.	0.7	0
35	Asymptotic distribution of the coefficient of cross-association based on a simple Markov-chain model. Journal of Applied Probability, 1985, 22, 946-950.	0.7	0
36	Test of independence by repeated matching of stratigraphic sections. Journal of the International Association for Mathematical Geology, 1983, 15, 427-444.	0.8	0

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37	Stratigraphic analysis and the asymptotic distribution of the coefficient of cross-association. Journal of the International Association for Mathematical Geology, 1982, 14, 11-36.	0.8	8