

Viktor Szalay

List of Publications by Year in descending order

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32
papers

711
citations

687363

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526287

27
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32
all docs

32
docs citations

32
times ranked

426
citing authors

#	ARTICLE	IF	CITATIONS
19	On one-dimensional discrete variable representations with general basis functions. Journal of Chemical Physics, 2003, 119, 10512-10518.	3.0	39
20	Symmetry analysis of internal rotation. Journal of Chemical Physics, 2002, 117, 6489-6492.	3.0	37
21	Application of contracted distributed approximating functions to solving vibrational eigenvalue problems. Journal of Chemical Physics, 1999, 110, 72-79.	3.0	7
22	Iterative and direct methods employing distributed approximating functionals for the reconstruction of a potential energy surface from its sampled values. Journal of Chemical Physics, 1999, 111, 8804-8818.	3.0	23
23	The internal axis system of molecules with one large amplitude internal motion. Journal of Chemical Physics, 1998, 109, 3911-3918.	3.0	13
24	Contracted distributed approximating functions: Derivation of non-oscillatory free particle and harmonic propagators for Feynman path integration in real time. Journal of Chemical Physics, 1998, 108, 2847-2866.	3.0	3
25	Methanol as a Flexible Model. Journal of Molecular Spectroscopy, 1996, 180, 42-53.	1.2	18
26	The generalized discrete variable representation. An optimal design. Journal of Chemical Physics, 1996, 105, 6940-6956.	3.0	62
27	The discrete variable representation of the rotational-vibrational Hamiltonian of triatomic molecules. Chemical Physics Letters, 1994, 231, 225-234.	2.6	5
28	Discrete variable representations of differential operators. Journal of Chemical Physics, 1993, 99, 1978-1984.	3.0	91
29	Derivation of rotational-vibrational Hamiltonian matrices of real elements. Molecular Physics, 1992, 75, 781-787.	1.7	3
30	Derivation of the nonrigid rotation-large-amplitude internal motion Hamiltonian of the general molecule. Journal of Molecular Spectroscopy, 1988, 128, 24-61.	1.2	26
31	Determination of an isotope-independent puckering potential function of oxetane. Journal of Molecular Spectroscopy, 1987, 126, 1-12.	1.2	10
32	Further extension of the Hougen-Bunker-Johns model. Journal of Molecular Spectroscopy, 1983, 102, 13-32.	1.2	27