

Paul Blaise

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Towards accurate infrared spectral density of weak H-bonds in absence of relaxation mechanisms. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2019, 207, 197-208.	2.0	5
2	Equivalence between the Classical and Quantum IR Spectral Density Approaches of Weak H-Bonds in the Absence of Damping. <i>Journal of Physical Chemistry A</i> , 2018, 122, 2108-2115.	1.1	4
3	Electrical anharmonicity in hydrogen bonded systems: complete interpretation of the IR spectra of the Clâ€“Hâ€“f stretching band in the gaseous (CH ₃) ₂ Oâ€“HCl complex. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 5917-5931.	1.3	10
4	Theoretical interpretation of the infrared lineshapes of the H- and D-bonds in liquid formic acid. <i>Chemical Physics</i> , 2017, 492, 12-22.	0.9	5
5	Polarized Infrared Spectra of the H(D) Bond in 2â€“Thiophenic Acid Crystals: A Spectroscopic and Computational Study. <i>ChemPhysChem</i> , 2009, 10, 3021-3033.	1.0	31
6	The Infrared Spectral Density of Weak Hydrogen Bonds within the Linear Response Theory. <i>Advances in Chemical Physics</i> , 2007, , 1-186.	0.3	58
7	Theoretical interpretation of the infrared lineshape of liquid and gaseous acetic acid. <i>Chemical Physics</i> , 2006, 320, 267-274.	0.9	36
8	Theoretical interpretation of the infrared lineshape of gaseous propynoic and acrylic acid dimers. <i>Journal of Molecular Structure</i> , 2006, 785, 27-31.	1.8	18
9	Theoretical interpretation of the line shape of crystalline adipic acid. <i>Journal of Chemical Physics</i> , 2006, 124, 024514.	1.2	27
10	Infrared spectra of weak hydrogen bonds and indirect damping. On the deep connection between the quantum model and the semi-classical one of Robertson and Yarwood. <i>Chemical Physics</i> , 2005, 313, 177-197.	0.9	15
11	Theoretical interpretation of the line shape of the gaseous acetic acid cyclic dimer. <i>Journal of Chemical Physics</i> , 2005, 122, 064306.	1.2	96
12	IR spectral density of weak H-bonds involving quantum direct and indirect dampings. Beyond the adiabatic and harmonic approximations. <i>Journal of Molecular Structure</i> , 2004, 687, 125-133.	1.8	29
13	IR spectral density of weak H-bonds involving indirect damping. I. A new approach using non-Hermitian effective Hamiltonians. <i>Chemical Physics</i> , 2003, 293, 9-22.	0.9	17
14	IR spectral density of weak H-bonds involving indirect damping. Part II: Davydov coupling. <i>Chemical Physics</i> , 2003, 293, 23-30.	0.9	14
15	Infrared Lineshapes of Weak Hydrogen Bonds: Recent Quantum Developments. <i>Advances in Chemical Physics</i> , 2002, , 241-309.	0.3	34
16	Spectral density of H-bonds. II. Intrinsic anharmonicity of the fast mode within the strong anharmonic coupling theory. <i>Chemical Physics</i> , 2001, 273, 11-37.	0.9	40
17	Spectral density of medium strength H-bonds. Direct damping and intrinsic anharmonicity of the slow mode. Beyond adiabatic approximation. <i>Chemical Physics</i> , 2000, 256, 85-106.	0.9	28
18	Linear response theory and IR spectral density of direct damped weak H-bonds: validity of adiabatic approximation. <i>Chemical Physics</i> , 1999, 243, 229-248.	0.9	19

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19	Anharmonic effects on theoretical IR line shapes of H-bonds. Chemical Physics, 1999, 250, 249-265.	0.9	24
20	Theory of weak damped H-bonds: relative influence of relaxation mechanisms on IR spectra. Chemical Physics, 1999, 244, 405-437.	0.9	30
21	Quantum theory of the spectral density of the hydrogen bond in solution Part 2. A study of dimeric hydrogen-bond systems by perturbative method. Computational and Theoretical Chemistry, 1994, 314, 101-112.	1.5	34
22	Infrared spectra of hydrogen bonded species in solution. Chemical Physics, 1988, 126, 263-290.	0.9	68