

Helle Kaasik

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

190
citations

1163117

8
h-index

1058476

14
g-index

24
all docs

24
docs citations

24
times ranked

254
citing authors

#	ARTICLE	IF	CITATIONS
1	Zero-Phonon Lines: The Effect of a Strong Softening of Elastic Springs in the Excited State. <i>Physica Status Solidi (B): Basic Research</i> , 2002, 234, 644-653.	1.5	43
2	Chemical Composition of Traditional and Analog Ayahuasca. <i>Journal of Psychoactive Drugs</i> , 2021, 53, 65-75.	1.7	26
3	Elemental and Base Anions Deposition in the Snow Cover of North-Eastern Estonia. <i>Water, Air, and Soil Pollution</i> , 2000, 121, 349-366.	2.4	17
4	Strong Jahn-Teller effect in the excited state: Anomalous temperature dependence of the zero-phonon line. <i>Journal of Chemical Physics</i> , 2003, 119, 6290-6295.	3.0	15
5	Ayahuasca Users in Estonia: Ceremonial Practices, Subjective Long-Term Effects, Mental Health, and Quality of Life. <i>Journal of Psychoactive Drugs</i> , 2020, 52, 255-263.	1.7	15
6	Phase relaxation in the vicinity of the dynamic instability: anomalous temperature dependence of zero-phonon line. <i>Journal of Luminescence</i> , 2004, 107, 351-358.	3.1	14
7	Rare earth ions doped mixed crystals for fast quantum computers with optical frequency qubits. <i>Optics Communications</i> , 2021, 485, 126693.	2.1	14
8	Transform method in resonance Raman scattering: effect of mode mixing. <i>Journal of Raman Spectroscopy</i> , 2002, 33, 639-645.	2.5	11
9	Spontaneous nonparametric down-conversion of light. <i>Applied Physics A: Materials Science and Processing</i> , 2014, 115, 563-568.	2.3	6
10	An air quality modelling system for a medium-sized town: a case study in Estonia. <i>International Journal of Environment and Pollution</i> , 2001, 16, 519.	0.2	5
11	High-order vibrational relaxation: a nonperturbative theory. <i>European Physical Journal B</i> , 2002, 28, 271-276.	1.5	5
12	Emission by dielectric with oscillating refractive index. <i>Journal of Physics: Conference Series</i> , 2005, 21, 155-160.	0.4	5
13	Nonperturbative theory of multiphonon anharmonic transitions. <i>Journal of Chemical Physics</i> , 2001, 114, 3127-3132.	3.0	4
14	Multiphonon processes in impurity centres: nonperturbative theory. <i>Physica Status Solidi A</i> , 2005, 202, 228-234.	1.7	3
15	Dynamical Casimir effect: quantum emission of a medium with time-dependent refractive index. , 2006, , .		2
16	Excitation profiles of resonant coherent Raman scattering by impurity molecules. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1958-1962.	2.5	2
17	Temperature dependence of nonradiative transitions: A nonperturbative theory. <i>Journal of Chemical Physics</i> , 2002, 116, 9485-9491.	3.0	1
18	Jahn-Teller Effect in the Excited State: Anomalous Temperature Dependence of the Zero-Phonon Line. <i>Advances in Quantum Chemistry</i> , 2003, , 135-149.	0.8	1

#	ARTICLE	IF	CITATIONS
19	Dynamical pseudo-Jahn-Teller effect: time evolution of quantum states above avoided crossing of electronic levels. <i>Journal of Physics: Conference Series</i> , 2017, 833, 012013.	0.4	1
20	Critical Dependence of Multiphonon Transitions on Interaction Strength and Temperature. <i>Advances in Quantum Chemistry</i> , 2003, , 151-168.	0.8	0
21	Quantum emission of light by medium with time-dependent refractive index. , 2007, , .		0
22	Women in Physics in Estonia: Many Duties, One Life. , 2009, , .		0
23	Country report: Estonia. <i>AIP Conference Proceedings</i> , 2015, , .	0.4	0