

Stefano Oss

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2120528/publications.pdf>

Version: 2024-02-01

52
papers

1,230
citations

394421

19
h-index

361022

35
g-index

52
all docs

52
docs citations

52
times ranked

371
citing authors

#	ARTICLE	IF	CITATIONS
1	A simple model of thermal conduction in human skin: temperature perception and thermal effusivity. European Journal of Physics, 2022, 43, 035101.	0.6	3
2	Making jets of air visible in the infrared. Physics Education, 2022, 57, 043001.	0.5	1
3	Commercial virtual reality headsets for developing augmented reality setups to track three-dimensional motion in real time. Physics Education, 2021, 56, 025016.	0.5	1
4	Vintage thermology and modern-day infrared imaging. Physics Education, 2021, 56, 025025.	0.5	2
5	Infrared visualization of lumped and non-lumped thermal transient processes in an introductory laboratory. European Journal of Physics, 2021, 42, 015101.	0.6	3
6	Infrared imaging of a non-stationary thermal conductive process and observation of its Greenâ€™s kernel. European Journal of Physics, 2020, 41, 015102.	0.6	6
7	Infrared imaging of the cooling fin equation. European Journal of Physics, 2020, 41, 055102.	0.6	5
8	Light interference from a soap film: a revisited quasi-monochromatic experiment. Physics Education, 2019, 54, 015018.	0.5	0
9	The Beer Lambert law measurement made easy. Physics Education, 2018, 53, 035033.	0.5	16
10	Looking at phosphorescence with a smartphone, explaining phosphorescence with a dice toy model. Physics Education, 2018, 53, 065016.	0.5	2
11	Microscopic and probabilistic approach to thermal steady state based on a dice and coin toy model. European Journal of Physics, 2017, 38, 045102.	0.6	7
12	Multiple object, three-dimensional motion tracking using the Xbox Kinect sensor. European Journal of Physics, 2017, 38, 065003.	0.6	6
13	What are we looking at when we say magenta? Quantitative measurements of RGB and CMYK colours with a homemade spectrophotometer. European Journal of Physics, 2016, 37, 065301.	0.6	34
14	The Hubble party balloon and the expanding universe. European Journal of Physics, 2016, 37, 055701.	0.6	1
15	Fast quasi-adiabatic gas cooling: an experiment revisited. European Journal of Physics, 2012, 33, 1155-1165.	0.6	1
16	Physics Of Flight At School: The Safe Route. , 2010, , .		1
17	High precision pressure measurement with a funnel. European Journal of Physics, 2008, 29, 1235-1241.	0.6	2
18	A medieval clock made out of simple materials. European Journal of Physics, 2008, 29, 799-814.	0.6	2

#	ARTICLE	IF	CITATIONS
19	The vibron model and long molecular chains: Algebraic polyethylene and its first CH stretching overtone. <i>Journal of Molecular Structure</i> , 2006, 780-781, 87-97.	3.6	5
20	Algebraic description of n-alkane molecules: first overtone of CH stretching modes. <i>PhysChemComm</i> , 2003, 6, 42.	0.8	1
21	Vibrational modes of CH bonds in n-paraffin molecular chains: an algebraic description. <i>PhysChemComm</i> , 2002, 5, 66.	0.8	1
22	Quantum representations of dynamical systems: new bending modes of acetylene. <i>PhysChemComm</i> , 2000, 3, 5.	0.8	0
23	Vibrational spectroscopy of CH/NH stretches in pyrrole: An algebraic approach. <i>Journal of Chemical Physics</i> , 1997, 106, 5379-5392.	3.0	19
24	Algebraic approach to molecular spectra: Two-dimensional problems. <i>Journal of Chemical Physics</i> , 1996, 104, 6956-6963.	3.0	124
25	Fermi resonances in the one-dimensional algebraic model. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1995, 35, 179-190.	1.0	4
26	A simple approach to the correlation of rotovibrational states in four-atomic molecules. <i>Zeitschrift für Physik D-Atoms Molecules and Clusters</i> , 1994, 32, 85-91.	1.0	2
27	The 3 $\hat{+}$ 0 CH stretch overtone of benzene. <i>Chemical Physics Letters</i> , 1993, 207, 167-172.	2.6	20
28	Algebraic model of bending vibrations of complex molecules. <i>Chemical Physics Letters</i> , 1993, 205, 285-289.	2.6	65
29	VIBR3AT: a computer program for triatomic molecular spectroscopy in an algebraic approach. <i>Computer Physics Communications</i> , 1993, 74, 164-186.	7.5	1
30	Vibrational spectroscopy and intramolecular relaxation of benzene. <i>Journal of Chemical Physics</i> , 1993, 99, 7337-7349.	3.0	74
31	Vibrational analysis of monofluoroacetylene (HCCF) in the vibron model. <i>Molecular Physics</i> , 1993, 78, 545-559.	1.7	24
32	Rotation-vibration interaction and Fermi resonances of HCCF in the vibron model. <i>Molecular Physics</i> , 1993, 78, 561-575.	1.7	26
33	Quasi-linear four-atomic molecules in the vibron model. <i>Journal of Molecular Spectroscopy</i> , 1992, 156, 190-200.	1.2	27
34	Vibrational modes of polyatomic molecules in the vibron model. <i>Journal of Molecular Spectroscopy</i> , 1992, 153, 225-239.	1.2	61
35	Linear four-atomic molecules in the vibron model. <i>Journal of Molecular Spectroscopy</i> , 1991, 149, 132-151.	1.2	79
36	Vibrational spectra of linear triatomic molecules in the vibron model. <i>Journal of Molecular Spectroscopy</i> , 1991, 146, 56-78.	1.2	78

#	ARTICLE	IF	CITATIONS
37	D2O absolute total electron-scattering cross sections. <i>Chemical Physics Letters</i> , 1991, 179, 114-118.	2.6	8
38	Stretching vibrations of benzene in the algebraic model. <i>Chemical Physics Letters</i> , 1991, 187, 500-505.	2.6	44
39	Positron-electron annihilation in the proximity of a second electron in a dense medium. <i>Physical Review B</i> , 1991, 43, 12715-12722.	3.2	9
40	Model of uncoupled anharmonic oscillators and applications to octahedral molecules. <i>Physical Review Letters</i> , 1991, 66, 2976-2979.	7.8	159
41	Overtone frequencies and intensities of bent XY molecules in the vibron model. <i>Journal of Molecular Spectroscopy</i> , 1990, 142, 85-107.	1.2	89
42	Deep disorder in neon-implanted copper single crystals detected by variable-energy positrons. <i>Journal of Physics Condensed Matter</i> , 1989, 1, 5411-5419.	1.8	13
43	Fast timing with hamamatsu R2083Q photomultipliers. <i>Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment</i> , 1989, 275, 194-196.	1.6	15
44	Inhibition of positron trapping by charge transfer in ceramic superconductors. <i>Physica C: Superconductivity and Its Applications</i> , 1988, 156, 65-68.	1.2	12
45	Absolute total cross sections for electron-CO ₂ scattering at energies from 0.5 to 3000 eV. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 5817-5825.	1.6	48
46	Absolute total cross section measurements for intermediate energy electron scattering: III. Ne and Ar. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, 5157-5164.	1.6	44
47	Total absolute cross sections for electron scattering on H ₂ O at intermediate energies. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1987, 20, L133-L136.	1.6	44
48	Electron-molecule absolute total cross sections: O ₂ from 0.2 to 100 eV. <i>Journal of Physics B: Atomic and Molecular Physics</i> , 1986, 19, 3353-3360.	1.6	23
49	Effect of motional magnetic fields on positroniumlike systems in polar media. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1985, 42, 45-48.	0.4	5
50	Cylinder radioactive source for slow β^+ positron beams. <i>Review of Scientific Instruments</i> , 1985, 56, 1531-1533.	1.3	9
51	Resonances in positron-hydrogen-atom scattering. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1984, 41, 523-527.	0.4	1
52	Nonexistence of a positron-hydrogen-atom bound state. <i>Lettere Al Nuovo Cimento Rivista Internazionale Della Societ� Italiana Di Fisica</i> , 1983, 36, 231-235.	0.4	3