

# Ilde Guedes

## List of Publications by Year in descending order

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docs citations

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times ranked

2502  
citing authors

#	ARTICLE	IF	CITATIONS
1	Subtissue Thermal Sensing Based on Neodymium-Doped LaF <sub>3</sub> Nanoparticles. ACS Nano, 2013, 7, 1188-1199.	7.3	338
2	Vibrational spectra of monazite-type rare-earth orthophosphates. Optical Materials, 2006, 29, 224-230.	1.7	131
3	Wave functions of a time-dependent harmonic oscillator with and without a singular perturbation. Physical Review A, 1997, 56, 4300-4303.	1.0	107
4	Raman scattering study of the PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> system: Rhombohedral-monoclinic-tetragonal phase transitions. Physical Review B, 2002, 66, .	1.1	99
5	Raman investigation of A <sub>2</sub> CoBO <sub>6</sub> (A=Sr and Ca, B=Te and W) double perovskites. Journal of Applied Physics, 2007, 101, 123511.	1.1	90
6	Solution of the Schrödinger equation for the time-dependent linear potential. Physical Review A, 2001, 63, .	1.0	85
7	Raman investigations of rare earth orthovanadates. Journal of Applied Physics, 2007, 101, 053511.	1.1	77
8	Spectroscopic properties of Er <sup>3+</sup> -doped lead phosphate glasses for photonic application. Journal Physics D: Applied Physics, 2010, 43, 025102.	1.3	70
9	Infrared absorption spectra of Buriti (Mauritia flexuosa L.) oil. Vibrational Spectroscopy, 2003, 33, 127-131.	1.2	69
10	Magnetization of negative magnetic arrays: Elliptical holes on a square lattice. Physical Review B, 2000, 62, 11719-11724.	1.1	66
11	Monoclinic phase of PbZr <sub>0.52</sub> Ti <sub>0.48</sub> O <sub>3</sub> ceramics: Raman and phenomenological thermodynamic studies. Physical Review B, 2000, 61, 14283-14286.	1.1	64
12	Raman study of phonon modes in ErVO <sub>4</sub> single crystals. Journal of Applied Physics, 2001, 90, 1843-1846.	1.1	46
13	Spectroscopic properties of highly Nd-doped lead phosphate glass. Journal of Alloys and Compounds, 2015, 648, 338-345.	2.8	35
14	Phase diagram of the relaxor (1-x)Pb(Zn <sub>1/3</sub> Nb <sub>2/3</sub> )O <sub>3</sub> -xPbTiO <sub>3</sub> investigated by dielectric and Raman spectroscopies. Solid State Communications, 2004, 131, 111-114.	0.9	33
15	Raman scattering study of Tb(V <sub>1-x</sub> P <sub>x</sub> )O <sub>4</sub> single crystals. Journal of Applied Physics, 2004, 95, 1148-1151.	1.1	31
16	Exact quantum motion of a particle trapped by oscillating fields. Journal of Physics A, 2005, 38, 7757-7763.	1.6	30
17	Shannon entropy, Fisher information and uncertainty relations for log-periodic oscillators. Physica A: Statistical Mechanics and Its Applications, 2015, 423, 72-79.	1.2	30
18	The role of TiO <sub>2</sub> in the B <sub>2</sub> O <sub>3</sub> -Na <sub>2</sub> O-PbO-Al <sub>2</sub> O <sub>3</sub> glass system. Journal of Solid State Chemistry, 2011, 184, 3062-3065.	1.4	29

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19	Thermal properties of a DNA denaturation with solvent interaction. Physica A: Statistical Mechanics and Its Applications, 2014, 404, 234-241.	1.2	28
20	High-pressure dependence of Sm <sup>3+</sup> emission in PbO–PbF <sub>2</sub> –B <sub>2</sub> O <sub>3</sub> glasses. Journal of Materials Science Letters, 2000, 19, 135-137.	0.5	27
21	Control of luminescence emitted by Cd <sup>1+</sup> Mn <sup>+</sup> S nanocrystals in a glass matrix: concentration and thermal annealing. Nanotechnology, 2011, 22, 105709.	1.3	26
22	Elastic moduli and the mechanical properties of stishovite single crystals. Physics-Uspokhi, 2002, 45, 447-448.	0.8	25
23	Brillouin Scattering Study of the Elastic Constants of ErVO <sub>4</sub> . Journal of the American Ceramic Society, 2002, 85, 1001-1003.	1.9	25
24	QUANTUM STATES OF A GENERALIZED TIME-DEPENDENT INVERTED HARMONIC OSCILLATOR. International Journal of Modern Physics B, 2004, 18, 1379-1385.	1.0	24
25	Raman spectroscopic characterization of RECa <sub>4</sub> O(BO <sub>3</sub> ) <sub>3</sub> (RE=La and Gd) crystals. Vibrational Spectroscopy, 2008, 46, 100-106.	1.2	23
26	WAVE FUNCTION OF THE TIME-DEPENDENT INVERTED HARMONIC OSCILLATOR. Modern Physics Letters B, 2002, 16, 637-643.	1.0	22
27	Disorder-induced symmetry lowering in the CsInMgF <sub>6</sub> pyrochlore crystal. Physical Review B, 2002, 66, .	1.1	22
28	Brillouin scattering and diffracted magneto-optical Kerr effect from arrays of dots and antidots (invited). Journal of Applied Physics, 2001, 89, 7096-7100.	1.1	21
29	Phonon spectra of CBN crystals. Vibrational Spectroscopy, 2012, 58, 74-78.	1.2	20
30	Entropy and information of a spinless charged particle in time-varying magnetic fields. Journal of Mathematical Physics, 2016, 57, .	0.5	20
31	Optical characterization of Nd <sup>3+</sup> - and Er <sup>3+</sup> -doped lead-indium-phosphate glasses. Journal of Applied Physics, 2007, 102, 043113.	1.1	19
32	Time-dependent coupled harmonic oscillators. Journal of Mathematical Physics, 2012, 53, .	0.5	19
33	Fisher information and Shannon entropy of position-dependent mass oscillators. Physica A: Statistical Mechanics and Its Applications, 2015, 434, 211-219.	1.2	19
34	Reply to "Comment on "Solution of the Schrödinger equation for the time-dependent linear potential"™". Physical Review A, 2003, 68, .	1.0	18
35	Crystal structure and vibrational spectrum of the NaCaMg <sub>2</sub> F <sub>7</sub> pyrochlore. Journal of Solid State Chemistry, 2004, 177, 2943-2950.	1.4	17
36	Temperature-uniaxial pressure phase diagram of KH <sub>2</sub> PO <sub>4</sub> . Physical Review B, 1999, 59, 3276-3279.	1.1	16

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37	Fisher information of quantum damped harmonic oscillators. <i>Physica Scripta</i> , 2015, 90, 045207.	1.2	16
38	A Raman investigation of $\text{PbZr}_{0.94}\text{Ti}_{0.06}\text{O}_3$ ceramics under high-pressure. <i>Solid State Communications</i> , 1999, 112, 383-386.	0.9	15
39	Quantum efficiencies and thermo-optical properties of $\text{Er}^{3+}$ , $\text{Nd}^{3+}$ , and $\text{Pr}^{3+}$ -single doped lead-indium-phosphate glasses. <i>Journal of Applied Physics</i> , 2009, 106, .	1.1	13
40	Study of the Aurivillius phases $\text{Bi}_4\text{Sr}_{n-3}\text{Ti}_n\text{O}_{3n+3}$ ( $n=4, 5$ ) synthesized by mechanochemical activation. <i>Solid State Communications</i> , 2005, 136, 621-626.	0.9	12
41	Precise control of superluminal and slow light propagation by transverse phase modulation. <i>Optics Express</i> , 2006, 14, 6201.	1.7	12
42	Vibrational study of $\text{A}_{3-2}\text{B}_2\text{O}_9$ ( $\text{A} = \text{Ba, Sr}; \text{B} = \text{U, W}$ ) double perovskites. <i>Journal of Raman Spectroscopy</i> , 2009, 40, 1028-1032.	1.2	12
43	Phonons in isostructural $(\text{Nd, Yb})\text{Y Gd}(\text{VO}_4)$ laser crystals: A Raman scattering study. <i>Journal of Solid State Chemistry</i> , 2011, 184, 905-910.	1.4	12
44	Vibrational spectra of $\text{Ba}_2\text{Cu}(\text{HCOO})_6$ crystals. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 491-495.	1.2	11
45	Coherent control of optically induced birefringence in azoaromatic molecules. <i>Physical Review A</i> , 2006, 74, .	1.0	11
46	Third-order nonlinearity of $\text{Er}^{3+}$ -doped lead phosphate glass. <i>Applied Physics B: Lasers and Optics</i> , 2010, 99, 559-563.	1.1	11
47	Thermal lens study of thermo-optical properties and concentration quenching of $\text{Er}^{3+}$ -doped lead pyrophosphate-based glasses. <i>Journal of Applied Physics</i> , 2012, 111, .	1.1	11
48	Structural and optical properties of $60\text{B}_2\text{O}_3-(20-x)\text{Na}_2\text{O}-10\text{PbO}-10\text{Al}_2\text{O}_3:x\text{TiO}_2:\text{yNd}_2\text{O}_3$ glasses. <i>Optical Materials</i> , 2013, 35, 2544-2550.	1.7	11
49	Lattice dynamics of $\text{K}_x\text{RhO}_2$ single crystals. <i>AIP Advances</i> , 2015, 5, .	0.6	11
50	Quantum theory of laser transmission loss. <i>Physical Review A</i> , 1989, 40, 2463-2470.	1.0	10
51	Raman investigations of rare-earth arsenate single crystals. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 694-697.	1.2	10
52	Impedance spectroscopy study of $\text{SiO}_2-\text{Li}_2\text{O}:\text{Nd}_2\text{O}_3$ glasses. <i>Journal of Alloys and Compounds</i> , 2014, 597, 79-84.	2.8	10
53	Spectroscopic characterization of BPSCCO thin films grown by dip-coating technique. <i>Physica C: Superconductivity and Its Applications</i> , 2003, 390, 239-242.	0.6	9
54	Low-temperature Raman spectra of $\text{YbVO}_4$ . <i>Vibrational Spectroscopy</i> , 2007, 45, 95-98.	1.2	9

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55	Phase transitions investigation by Raman spectroscopy in highly diluted KTN crystals. Journal of Alloys and Compounds, 2012, 531, 14-17.	2.8	9
56	Information measures of a deformed harmonic oscillator in a static electric field. Physica A: Statistical Mechanics and Its Applications, 2018, 499, 250-257.	1.2	9
57	Quantum-statistical properties of a laser with output coupling. Physical Review A, 1990, 42, 6858-6868.	1.0	8
58	A new phase in the LiRbSO <sub>4</sub> -LiCsSO <sub>4</sub> system. Journal of Physics Condensed Matter, 2000, 12, 7559-7568.	0.7	8
59	Temperature-dependent Raman scattering study of Fe <sub>3</sub> O <sub>2</sub> BO <sub>3</sub> ludwigite. Journal of Raman Spectroscopy, 2002, 33, 1-5.	1.2	8
60	Heterodyne Z-scan measurements of slow absorbers. Journal of Applied Physics, 2007, 101, 063112.	1.1	8
61	Entropy and Information of a harmonic oscillator in a time-varying electric field in 2D and 3D noncommutative spaces. Physica A: Statistical Mechanics and Its Applications, 2017, 477, 65-77.	1.2	8
62	Temperature-Dependent Raman Study of CaCu(HCOO) <sub>4</sub> and Ca <sub>2</sub> Cu(HCOO) <sub>6</sub> Crystals. Journal of Solid State Chemistry, 2000, 154, 338-343.	1.4	7
63	The concentration-pressure phase diagram for Zr-rich PbZr <sub>1-x</sub> Ti <sub>x</sub> O <sub>3</sub> ceramics. Journal of Physics Condensed Matter, 2000, 12, 7295-7302.	0.7	7
64	Upper bound for the magnetic proximity effect extracted from Brillouin light scattering. Physical Review B, 2002, 65, .	1.1	7
65	Phonons in isostructural compounds CuxM <sub>1-x</sub> (HCOO) <sub>2</sub> ·1/2H <sub>2</sub> O (M = Mn, Co, Ni, Zn, and Cd): a Raman scattering study. Journal of Raman Spectroscopy, 2002, 33, 273-277.	1.2	7
66	Nonlinear refractive index of RECOB (RE = Gd and La) crystals. Applied Physics B: Lasers and Optics, 2009, 94, 221-225.	1.1	7
67	Optical-active phonons in A <sub>3</sub> Fe <sub>2</sub> B <sub>4</sub> O <sub>9</sub> (A=Ca, Sr; B=Te, W) double perovskites. Journal of Applied Physics, 2010, 107, .	1.1	7
68	Joint entropy of quantum damped harmonic oscillators. Physica A: Statistical Mechanics and Its Applications, 2014, 401, 159-166.	1.2	7
69	Influence of photon-assisted energy transfer on the nonlinear refractive index of GdAlO <sub>3</sub> :Cr <sup>3+</sup> . Physical Review B, 1992, 46, 14387-14391.	1.1	6
70	Phonon spectra of terbium-doped lutetium orthophosphates. Journal of Applied Physics, 2004, 96, 6344-6347.	1.1	6
71	Thermal behavior in Pr(HCOO) <sub>3</sub> crystals. Journal of Raman Spectroscopy, 2004, 35, 159-164.	1.2	6
72	Raman spectroscopy characterization of Li <sub>2</sub> CaHfF <sub>8</sub> crystals. Journal of Physics Condensed Matter, 1999, 11, 5343-5354.	0.7	5

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73	EXACT QUANTUM STATES OF AN INVERTED PENDULUM UNDER TIME-DEPENDENT GRAVITATION. International Journal of Modern Physics A, 2004, 19, 4165-4172.	0.5	5
74	Quantum scalar field in D-dimensional de Sitter spacetimes. Europhysics Letters, 2012, 98, 11001.	0.7	5
75	The quantum Lane-Emden-type Kanai-Caldirola oscillators. Journal of Mathematical Physics, 2012, 53, 122104.	0.5	5
76	Tsallis, R�nyi, and Shannon entropies for time-dependent mesoscopic RLC circuits. Progress of Theoretical and Experimental Physics, 2015, 2015, 113A01.	1.8	5
77	On the dynamics of a time-dependent mesoscopic LC circuit with a negative inductance. Modern Physics Letters B, 2016, 30, 1650122.	1.0	5
78	Exact wave functions and uncertainties for a spinless charged particle in a time-dependent Penning trap. International Journal of Mass Spectrometry, 2016, 409, 21-28.	0.7	5
79	AN EXACT SOLUTION TO THE QUANTIZED ELECTROMAGNETIC FIELD IN D-DIMENSIONAL DE SITTER SPACE-TIMES. International Journal of Modern Physics A, 2012, 27, 1250177.	0.5	4
80	Pressure-Induced Changes of SO4 Sites in LiNaSO4 Crystal.. Review of High Pressure Science and Technology/Koatsuryoku No Kagaku To Gijutsu, 1998, 7, 137-138.	0.1	4
81	Metastable ferroelectric phase in potassium dihydrogen phosphate induced by a static electric field. Journal of Raman Spectroscopy, 2000, 31, 915-919.	1.2	3
82	Monoclinic-orthorhombic phase transition in Ba2Cu(HCOO)6 crystals: a Raman scattering study. Journal of Raman Spectroscopy, 2002, 33, 37-41.	1.2	3
83	Canonical Approach to the Time-Dependent Parametric Oscillator with and without a Singular Potential. International Journal of Modern Physics B, 2003, 17, 2903-2912.	1.0	3
84	Femtosecond pulse compression using the Z-scan technique and closed-loop evolutionary algorithm. Journal of Applied Physics, 2005, 98, 083521.	1.1	3
85	The Orthorhombic to Tetragonal Phase Transition in Bi2-xTexSrNb2-xHfxO9. Ferroelectrics, 2006, 337, 207-211.	0.3	3
86	Vibrational modes of rare-earth formates. Journal of Raman Spectroscopy, 2009, 40, 954-957.	1.2	3
87	Growth and characterization of congruent lithium isotope niobate (7LiNbO3) single crystal. Journal of Crystal Growth, 2011, 318, 645-648.	0.7	3
88	Time-dependent coupled harmonic oscillators: Classical and quantum solutions. International Journal of Modern Physics E, 2014, 23, 1450048.	0.4	3
89	Magnetic and vibrational properties of Gd2(Mo0.9W0.1O4)3 and Gd1.8Er0.2(MoO4)3. Journal of Magnetism and Magnetic Materials, 2015, 378, 50-53.	1.0	3
90	Oxygen stoichiometry in Sr3Mn2O7: A Raman scattering investigation. Physical Review B, 2000, 62, 13809-13811.	1.1	2

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91	New Features of the Morphotropic Phase Boundary in the PbZrO <sub>3</sub> -PbTiO <sub>3</sub> System: A Raman Spectroscopy Study. <i>Ferroelectrics</i> , 2002, 272, 21-26.	0.3	2
92	QUANTUM STATES OF A GENERALIZED PENDULUM UNDER TIME-DEPENDENT GRAVITATION. <i>Modern Physics Letters A</i> , 2005, 20, 553-560.	0.5	2
93	Wave functions of log-periodic oscillators. <i>Journal of Mathematical Physics</i> , 2011, 52, 062106.	0.5	2
94	Phase transitions in Pb <sub>8</sub> O <sub>5</sub> (XO <sub>4</sub> ) <sub>2</sub> (X = As and V) compounds. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1567-1573.	1.2	2
95	Polarized Raman spectra of LiBaB <sub>9</sub> O <sub>15</sub> single crystal. <i>Materials Letters</i> , 2016, 162, 254-256.	1.3	2
96	Raman phonons in La <sub>2-2x</sub> Sr <sub>1+2x</sub> Mn <sub>2</sub> O <sub>7</sub> layered manganites. <i>Journal of Raman Spectroscopy</i> , 2000, 31, 1013-1015.	1.2	1
97	Ionic conductivity and crystalline structure of Li <sub>2</sub> CaHfF <sub>8</sub> crystals. <i>Solid State Ionics</i> , 2000, 136-137, 345-350.	1.3	1
98	Low-temperature phase transition in CsInF <sub>4</sub> . <i>Solid State Communications</i> , 2002, 122, 549-551.	0.9	1
99	Sequence of structural phase transitions of CsInF <sub>4</sub> crystal. <i>Solid State Communications</i> , 2004, 129, 539-543.	0.9	1
100	Frequency doubling of phase-modulated chirped ultrashort laser pulses using a deformable mirror. <i>Laser Physics</i> , 2006, 16, 1058-1061.	0.6	1
101	Raman spectra of Ga <sub>3</sub> PO <sub>7</sub> single crystal. <i>Materials Letters</i> , 2013, 98, 258-260.	1.3	1
102	Osciladores harmônicos amortecidos dependentes do tempo. <i>Revista Brasileira De Ensino De Fisica</i> , 2013, 35, .	0.2	1
103	London superconductivity approach in a time-dependent background. <i>Physica C: Superconductivity and Its Applications</i> , 2021, 580, 1353783.	0.6	1
104	Evidence for a new structure in a mixed metal sulphate system by EXAFS. <i>X-Ray Spectrometry</i> , 2002, 31, 162-166.	0.9	0
105	Hyperfine characterization of Bi <sub>1.9</sub> Te <sub>0.1</sub> SrNb <sub>1.9</sub> Hf <sub>0.1</sub> O <sub>9</sub> . <i>Solid State Communications</i> , 2006, 139, 97-101.	0.9	0
106	Measuring optical nonlinearities using a heterodyne Z-Scan technique. , 2006, , .		0
107	Coherent control of two-photon induced optical storage. , 2006, , .		0
108	Movimento de uma partícula em um potencial pseudo-harmônico. <i>Revista Brasileira De Ensino De Fisica</i> , 2011, 33, .	0.2	0

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109	QUANTUM KALB-RAMOND FIELD IN D-DIMENSIONAL DE SITTER SPACE-TIMES. International Journal of Modern Physics A, 2013, 28, 1350011.	0.5	0