

Miguel Angel Ramos

List of Publications by Year in descending order

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86
papers

2,709
citations

218592

26
h-index

182361

51
g-index

87
all docs

87
docs citations

87
times ranked

1870
citing authors

#	ARTICLE	IF	CITATIONS
1	Ultrastable glasses: new perspectives for an old problem. <i>Rivista Del Nuovo Cimento</i> , 2022, 45, 325-406.	2.0	26
2	Focus point on small and medium particle accelerator facilities in Europe. <i>European Physical Journal Plus</i> , 2021, 136, 1.	1.2	1
3	Refractive Index at Low Temperature of Tetrachloromethane and Tetrafluoroethane Cryovacuum Condensates. <i>ACS Omega</i> , 2020, 5, 11671-11676.	1.6	3
4	Are universal "anomalous" properties of glasses at low temperatures truly universal?. <i>Low Temperature Physics</i> , 2020, 46, 104-110.	0.2	12
5	Residual entropy in the zero-temperature limit of toluene glass. <i>Low Temperature Physics</i> , 2019, 45, 331-336.	0.2	1
6	Emergence of glassy features in halomethane crystals. <i>Physical Review B</i> , 2019, 99, .	1.1	29
7	Tracking the Connection between Disorder and Energy Landscape in Glasses Using Geologically Hyperaged Amber. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 427-432.	2.1	12
8	Micro-Raman spectroscopy of near-surface damage in diamond irradiated with 9-MeV boron ions. <i>Diamond and Related Materials</i> , 2017, 72, 94-98.	1.8	7
9	Study of the effects of focused high-energy boron ion implantation in diamond. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2017, 404, 207-210.	0.6	8
10	Thermodynamic and Kinetic Fragility of Freon 113: The Most Fragile Plastic Crystal. <i>Physical Review Letters</i> , 2017, 118, 105701.	2.9	22
11	Lattice damage in 9-MeV-carbon irradiated diamond and its recovery after annealing. <i>Carbon</i> , 2017, 123, 334-343.	5.4	15
12	Glassy Anomalies in the Low-Temperature Thermal Properties of a Minimally Disordered Crystalline Solid. <i>Physical Review Letters</i> , 2017, 119, 215506.	2.9	28
13	Calorimetric Measurements at Low Temperatures in Toluene Glass and Crystal. <i>Journal of Low Temperature Physics</i> , 2017, 187, 182-191.	0.6	6
14	Investigation of the magnetic properties of proton irradiated type Ib HPHT diamond. <i>Diamond and Related Materials</i> , 2016, 64, 197-201.	1.8	3
15	Do two-level systems and boson peak persist or vanish in hyperaged geological glasses of amber?. <i>Philosophical Magazine</i> , 2016, 96, 774-787.	0.7	8
16	Magnetic properties of point defects in proton irradiated diamond. <i>Journal of Magnetism and Magnetic Materials</i> , 2016, 413, 76-80.	1.0	9
17	Charge density wave in layered Physical Review B, 2015, 92, .	1.5	15
18	Do tunneling states and boson peak persist or disappear in extremely stabilized glasses?. <i>Low Temperature Physics</i> , 2015, 41, 412-418.	0.2	4

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19	Highly-focused boron implantation in diamond and imaging using the nuclear reaction $^{11}\text{B}(p, \hat{1}\pm)^8\text{Be}$. Nuclear Instruments & Methods in Physics Research B, 2015, 348, 174-177.	0.6	10
20	Thermal properties of halogen-ethane glassy crystals: Effects of orientational disorder and the role of internal molecular degrees of freedom. Journal of Chemical Physics, 2015, 143, 084510.	1.2	20
21	Probing cooperative liquid dynamics with the mean square displacement. Physical Review E, 2014, 90, 042312.	0.8	44
22	Suppression of tunneling two-level systems in ultrastable glasses of indomethacin. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 11275-11280.	3.3	114
23	Two-Level Systems and Boson Peak Remain Stable in 110-Million-Year-Old Amber Glass. Physical Review Letters, 2014, 112, 165901.	2.9	75
24	Low-Temperature Specific Heat of Graphite and CeSb ₂ : Validation of a Quasi-adiabatic Continuous Method. Journal of Low Temperature Physics, 2013, 173, 4-20.	0.6	17
25	Low-temperature thermal properties of a hyperaged geological glass. Journal of Physics Condensed Matter, 2013, 25, 295402.	0.7	17
26	Low-temperature properties of monoalcohol glasses and crystals. Low Temperature Physics, 2013, 39, 468-472.	0.2	13
27	Superconductivity and magnetism on flux-grown single crystals of NiBi ₃ . Physical Review B, 2013, 88, .	1.1	28
28	Comment on "Revealing common artifacts due to ferromagnetic inclusions in highly oriented pyrolytic graphite" by Sepioni M. et al .. Europhysics Letters, 2012, 98, 57006.	0.7	12
29	Low-temperature thermal and elastoacoustic properties of butanol glasses: Study of position isomerism effects around the boson peak. Physical Review B, 2012, 85, .	1.1	23
30	Calorimetric and thermodynamic study of glass-forming monohydroxy alcohols. Philosophical Magazine, 2011, 91, 1847-1856.	0.7	7
31	Low-temperature properties of glassy and crystalline states of n-butanol. Journal of Non-Crystalline Solids, 2011, 357, 524-529.	1.5	21
32	Calorimetric studies at low temperatures of glass-forming 1-butanol and 2-butanol. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2245-2248.	0.8	7
33	Structural and enthalpy relaxation processes in pure ethanol. Physica Status Solidi (A) Applications and Materials Science, 2011, 208, 2249-2253.	0.8	4
34	Magnetic properties of graphite irradiated with MeV ions. Physical Review B, 2010, 81, .	1.1	63
35	Structural and thermodynamic studies of n-butanol. Journal of Physics Condensed Matter, 2010, 22, 195102.	0.7	34
36	Thermal properties and Brillouin-scattering study of glass, crystal, and "glacial" states in n-butanol. Journal of Chemical Physics, 2009, 131, 174508.	1.2	38

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37	Effects of thermal history on the acoustic attenuation of dry and wet B ₂ O ₃ glasses. <i>Materials Science & Engineering A: Structural Materials: Properties, Microstructure and Processing</i> , 2009, 521-522, 263-267.	2.6	0
38	Crystalline phase transitions and acoustic phonons behaviour of polymorphic ethanol. <i>European Physical Journal B</i> , 2009, 71, 41-45.	0.6	3
39	Concentration and temperature dependence of the refractive index of ethanol-water mixtures: Influence of intermolecular interactions. <i>European Physical Journal E</i> , 2009, 30, 19-26.	0.7	99
40	Thermal expansion of silver iodide-silver molybdate glasses at low temperatures. <i>Journal of Chemical Physics</i> , 2009, 130, 204508.	1.2	2
41	Specific heat of ethanol at low temperatures. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 263-268.	1.5	5
42	Thermal and acoustic experiments on polymorphic ethanol. <i>Philosophical Magazine</i> , 2008, 88, 4197-4203.	0.7	9
43	Looking for Ferromagnetic Signals in Proton-Irradiated Graphite. <i>Mathematics in Industry</i> , 2008, , 477-482.	0.1	1
44	Experimental study of the thermal expansion of (Ag) _{0.67} (Ag ₂ MoO ₄) _{0.33} ionic glass from 5 K to 300 K. <i>Philosophical Magazine</i> , 2008, 88, 3973-3978.	0.7	2
45	Calorimetric and acoustic experiments on orientationally disordered and fully ordered crystalline phases of ethanol. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 205135.	0.7	10
46	Brillouin spectroscopy experiments on polymorphic ethanol. <i>Philosophical Magazine</i> , 2007, 87, 657-663.	0.7	4
47	Thermal relaxation calorimetry on ethanol at low temperatures. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 984-986.	1.5	0
48	Low-temperature calorimetry on molecular glasses and crystals. <i>Thermochimica Acta</i> , 2007, 461, 50-56.	1.2	24
49	Thermodynamics, Structure, and Dynamics in Room Temperature Ionic Liquids: The Case of 1-Butyl-3-methyl Imidazolium Hexafluorophosphate ([bmim][PF ₆]). <i>Journal of Physical Chemistry B</i> , 2006, 110, 21357-21364.	1.2	180
50	On the phase diagram of polymorphic ethanol: Thermodynamic and structural studies. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 4769-4775.	1.5	43
51	Thermodynamic study of alkyl-cyclohexanes in liquid, glassy, and crystalline states. <i>Journal of Chemical Physics</i> , 2006, 125, 054514.	1.2	25
52	Density of vibrational states and light-scattering coupling coefficient in the structural glass and glassy crystal of ethanol. <i>Journal of Physics Condensed Matter</i> , 2004, 16, 223-230.	0.7	21
53	Brillouin scattering study of methanol-water solutions under pressure. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2004, 1, 3178-3181.	0.8	1
54	Are the calorimetric and elastic Debye temperatures of glasses really different?. <i>Philosophical Magazine</i> , 2004, 84, 1313-1321.	0.7	33

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55	Calor específico a bajas temperaturas de alcoholes sólidos vítreos y cristalinos. Boletín De La Sociedad Española De Cerámica Y Vidrio, 2004, 43, 42-46.	0.9	0
56	Low-temperature specific heat of structural and orientational glasses of simple alcohols. Journal of Physics Condensed Matter, 2003, 15, S1007-S1018.	0.7	55
57	Density of states and light-vibration coupling coefficient in B ₂ O ₃ glasses with different thermal history. Physical Review B, 2003, 67, .	1.1	24
58	Strain dependence of the acoustic properties of amorphous metals below 1 K: Evidence for the interaction between tunneling states. Physical Review B, 2002, 65, .	1.1	19
59	Chemical Isomerism as a Key to Explore Free-Energy Landscapes in Disordered Matter. Physical Review Letters, 2002, 88, 115506.	2.9	36
60	Low-temperature specific heat of amorphous, orientational glass, and crystal phases of ethanol. Physical Review B, 2002, 66, .	1.1	63
61	The Boson peak in structural and orientational glasses of simple alcohols: specific heat at low temperatures. Journal of Non-Crystalline Solids, 2002, 307-310, 80-86.	1.5	25
62	Temperature and intensity dependence of the acoustic properties of normal- and superconducting amorphous metals at low temperatures. Physica B: Condensed Matter, 2002, 316-317, 509-512.	1.3	1
63	Thermodynamic and structural properties of the two isomers of solid propanol. Journal of Non-Crystalline Solids, 2001, 287, 226-230.	1.5	28
64	Low-temperature specific heat and thermal conductivity of glycerol. Physical Review B, 2001, 65, .	1.1	33
65	Inelastic light scattering in B ₂ O ₃ glasses with different thermal histories. Journal of Chemical Physics, 2000, 113, 5891-5900.	1.2	22
66	Acoustic properties of amorphous metals at very low temperatures: Applicability of the tunneling model. Physical Review B, 2000, 61, 1059-1067.	1.1	16
67	Low-temperature specific heat and glassy dynamics of a polymorphic molecular solid. Physical Review B, 1998, 58, 745-755.	1.1	98
68	Comment on "High Frequency Dynamics of Glass Forming Liquids at the Glass Transition". Physical Review Letters, 1998, 81, 3801-3801.	2.9	3
69	Low-temperature specific heat of different B ₂ O ₃ glasses. Physical Review B, 1997, 56, 32-35.	1.1	41
70	Low-temperature thermal conductivity of glasses within the soft-potential model. Physical Review B, 1997, 55, 5749-5754.	1.1	89
71	Microscopic dynamics in glasses in relation to that shown by other complex systems. Lecture Notes in Physics, 1997, , 44-61.	0.3	1
72	Low-temperature thermal properties of molecular glasses and crystals. Phase Transitions, 1997, 64, 87-102.	0.6	7

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73	Quantitative Assessment of the Effects of Orientational and Positional Disorder on Glassy Dynamics. Physical Review Letters, 1997, 78, 82-85.	2.9	162
74	Low-temperature thermal properties of molecular glasses. European Physical Journal D, 1996, 46, 2235-2236.	0.4	6
75	Low-temperature thermal expansion of crystalline ortho-terphenyl. Molecular Physics, 1995, 85, 1037-1042.	0.8	2
76	Comment on "Low-frequency light scattering and structural defects in samarium phosphate glasses". Physical Review B, 1994, 49, 702-703.	1.1	12
77	The Density of Tunneling and Vibrational States of Glasses within the Soft-Potential Model. Physica Status Solidi A, 1993, 135, 477-492.	1.7	41
78	Low-temperature specific heat and thermal conductivity of glasses. Physical Review Letters, 1993, 70, 182-185.	2.9	181
79	Interaction of soft modes and sound waves in glasses. Physical Review B, 1992, 46, 2798-2808.	1.1	393
80	Tunneling measurements of the energy gap in Tl- and Bi-based oxide superconductors. Journal of Applied Physics, 1990, 67, 5026-5028.	1.1	9
81	Tunneling measurements of the energy gap in the high-Tc superconductor $Tl_2Ba_2Ca_2Cu_3O_{10+\delta}$. Physical Review B, 1989, 40, 11403-11405.	1.1	17
82	High Tc superconductive materials: Bulk or twinned domain/grain boundary percolative network superconductors?. European Physical Journal B, 1988, 70, 9-13.	0.6	26
83	Are the high Tc superconducting materials bulk superconductors or grain boundary percolating network superconductors? (abstract). Journal of Applied Physics, 1988, 63, 4213-4213.	1.1	20
84	Tunneling measurements of the energy gap in $Bi_4Ca_3Sr_3Cu_4O_{16+\delta}$. Physical Review B, 1988, 38, 9295-9298.	1.1	44
85	Low-temperature scanning tunnelling microscopy and spectroscopy on Pb and Au. Journal of Microscopy, 1988, 152, 137-143.	0.8	7
86	Piezoelectric Behaviour of Several Ceramic Materials at Low Temperatures. Japanese Journal of Applied Physics, 1987, 26, 1711.	0.8	10