

# Carlo A Massa

## List of Publications by Year in descending order

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38  
papers

420  
citations

840585

11  
h-index

752573

20  
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38  
all docs

38  
docs citations

38  
times ranked

551  
citing authors

#	ARTICLE	IF	CITATIONS
1	Open and Anisotropic Soft Regions in a Model Polymer Glass. <i>Polymers</i> , 2021, 13, 1336.	2.0	0
2	Glassforming Liquids, Amorphous and Semicrystalline Polymers: Exploring their Energy Landscape and Dynamical Heterogeneity by Multi-frequency High-Field EPR. <i>Applied Magnetic Resonance</i> , 2020, 51, 1591-1605.	0.6	1
3	Metallic glass-formers in 2D exhibit the same scaling as in 3D between vibrational dynamics and structural relaxation. <i>Journal of Physics Condensed Matter</i> , 2020, 32, 085701.	0.7	0
4	Effect of the Addition of Natural Rice Bran Oil on the Thermal, Mechanical, Morphological and Viscoelastic Properties of Poly(Lactic Acid). <i>Sustainability</i> , 2019, 11, 2783.	1.6	5
5	Thermal, Mechanical, Viscoelastic and Morphological Properties of Poly(lactic acid) based Biocomposites with Potato Pulp Powder Treated with Waxes. <i>Materials</i> , 2019, 12, 990.	1.3	24
6	Thermal, Mechanical, and Rheological Properties of Biocomposites Made of Poly(lactic acid) and Potato Pulp Powder. <i>International Journal of Molecular Sciences</i> , 2019, 20, 675.	1.8	29
7	High-Field Electron Paramagnetic Resonance Reveals a Stable Glassy Fraction up to Melting in Semicrystalline Poly(dimethylsiloxane). <i>Applied Magnetic Resonance</i> , 2017, 48, 827-840.	0.6	1
8	Local Reversible Melting in Semicrystalline Poly(dimethylsiloxane): A High-Field Electron Paramagnetic Resonance Study. <i>Macromolecules</i> , 2017, 50, 5061-5073.	2.2	12
9	Study of the cold crystallization of poly(ethylene terephthalate) at the air interface by ATR spectroscopy. <i>European Polymer Journal</i> , 2014, 60, 286-296.	2.6	5
10	Constrained and Heterogeneous Dynamics in the Mobile and the Rigid Amorphous Fractions of Poly(dimethylsiloxane): A Multifrequency High-Field Electron Paramagnetic Resonance Study. <i>Macromolecules</i> , 2014, 47, 6748-6756.	2.2	7
11	A High-Field EPR Study of the Accelerated Dynamics of the Amorphous Fraction of Semicrystalline Poly(dimethylsiloxane) at the Melting Point. <i>Applied Magnetic Resonance</i> , 2014, 45, 693-706.	0.6	5
12	Dynamical Line-Shifts in High-Field Electron Spin Resonance: Applications to Polymer Physics. <i>Zeitschrift Fur Physikalische Chemie</i> , 2012, 226, 1379-1394.	1.4	5
13	EPR discrimination of microcrystalline calcite geomaterials. <i>American Mineralogist</i> , 2012, 97, 1619-1626.	0.9	9
14	Magnetic properties and cation ordering of nanopowders of the synthetic analogue of kuramite, Cu <sub>3</sub> SnS <sub>4</sub> . <i>Physics and Chemistry of Minerals</i> , 2011, 38, 483-490.	0.3	26
15	Study of the Kramers rare earth ions ground multiplet with a large orbital contribution by multifrequency EPR spectroscopy: in scintillator. <i>Optical Materials</i> , 2010, 32, 570-575.	1.7	11
16	Physics of Polymers at the Italian High-Field EPR Facility: Heterogeneities and Fast Dynamics. <i>Applied Magnetic Resonance</i> , 2008, 33, 365.	0.6	1
17	Simulation of the propagation effects in the HF-EPR spectra of non-diluted magnetic materials. <i>Inorganica Chimica Acta</i> , 2008, 361, 4164-4166.	1.2	2
18	Sensitivity of high-field electron paramagnetic resonance to the reorientation of molecular guests in glassy polymers. <i>Philosophical Magazine</i> , 2007, 87, 795-798.	0.7	2

#	ARTICLE	IF	CITATIONS
19	Multi-frequency high-field EPR study of (H <sup>+</sup> )(e <sup>-</sup> ) pairs localized at the surface of polycrystalline MgO. <i>Chemical Physics Letters</i> , 2007, 438, 285-289.	1.2	9
20	Signatures of the fast dynamics in glassy polystyrene by multi-frequency, high-field electron paramagnetic resonance of molecular guests. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 5029-5034.	1.5	0
21	Delocalization of spin projection in weak exchange linear chains, evidenced by multi-frequency HF-EPR spectroscopy. <i>Magnetic Resonance in Chemistry</i> , 2005, 43, S215-S220.	1.1	1
22	The onset of the fast dynamics in glassy polystyrene observed by the detrapping of guest molecules: A high-field Electron Paramagnetic Resonance study. <i>Europhysics Letters</i> , 2005, 72, 590-596.	0.7	7
23	Multifrequency electron paramagnetic resonance of Ce <sup>3+</sup> in the Gd(HBPz3) <sub>2</sub> tropolonate complex: high-field effects. <i>Journal of Physics Condensed Matter</i> , 2005, 17, 5563-5575.	0.7	5
24	A study of the deep structure of the energy landscape of glassy polystyrene: the exponential distribution of the energy barriers revealed by high-field electron spin resonance spectroscopy. <i>Journal of Physics Condensed Matter</i> , 2004, 16, L479-L488.	0.7	12
25	An optical trap for cold rubidium molecules. <i>Optics Communications</i> , 2004, 243, 203-208.	1.0	15
26	Evaluating the magnetic anisotropy in molecular rare earth compounds. Gadolinium derivatives with semiquinone radical and diamagnetic analogues. <i>Chemical Physics Letters</i> , 2003, 371, 694-699.	1.2	29
27	High frequency EPR of a copper(II) trimer: experiment time scale effects in EPR spectroscopy. <i>Inorganica Chimica Acta</i> , 2003, 351, 59-62.	1.2	6
28	How and why the characterization of magnetic materials can give directions in the methodological development in high field "high frequency EPR. <i>Research on Chemical Intermediates</i> , 2002, 28, 215-229.	1.3	15
29	High-Field, Multifrequency EPR Spectroscopy Using Whispering Gallery Dielectric Resonators. <i>Journal of Magnetic Resonance</i> , 2000, 143, 88-94.	1.2	17
30	Spontaneous Symmetry Breaking in the Formation of a Dinuclear Gadolinium Semiquinonato Complex: Synthesis, High-Field EPR Studies, and Magnetic Properties. <i>Chemistry - A European Journal</i> , 2000, 6, 4580-4586.	1.7	59
31	Title is missing!. <i>Journal Physics D: Applied Physics</i> , 2000, 33, 345-348.	1.3	1
32	The optically pumped laser: new large offset FIR laser emissions and assignments. <i>Infrared Physics and Technology</i> , 1999, 40, 33-36.	1.3	2
33	Detection and Mixing Properties of an InSb Metal-Semiconductor Point Contact Diode. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1999, 20, 1121-1127.	0.6	11
34	CW submillimeter laser action in ethyl chloride. <i>IEEE Journal of Quantum Electronics</i> , 1998, 34, 238-240.	1.0	3
35	Optically pumped submillimeter laser lines from CD <sub>2</sub> Cl <sub>2</sub> using a large tunability CW CO <sub>2</sub> laser. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1997, 18, 779-783.	0.6	2
36	Optically pumped CW fir laser: New submillimeter laser emissions from CH <sub>2</sub> DOH, CH <sub>3</sub> I, CD <sub>3</sub> I, and trioxymethylene. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1997, 18, 1281-1284.	0.6	5

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37	Electric field effects on roto-vibrational transitions of $^{13}\text{CD}_3\text{OH}$ . <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1995, 16, 2233-2248.	0.6	3
38	A review of optically pumped far-infrared laser lines from methanol isotopes. <i>Journal of Infrared, Millimeter and Terahertz Waves</i> , 1994, 15, 1-44.	0.6	73