

Fernanda Margaña

List of Publications by Year in descending order

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papers

653
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566801

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docs citations

63
times ranked

644
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of PDMS conformation in PDMS-based hybrid materials prepared by gamma irradiation. <i>Radiation Physics and Chemistry</i> , 2012, 81, 1336-1340.	1.4	46
2	Post-harvest treatment of cherry tomatoes by gamma radiation: Microbial and physicochemical parameters evaluation. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 36, 1-9.	2.7	44
3	Inelastic neutron scattering studies of the dynamics of molten alkali halides. <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 775-796.	1.5	35
4	Preservation treatment of fresh raspberries by e-beam irradiation. <i>Innovative Food Science and Emerging Technologies</i> , 2020, 66, 102487.	2.7	31
5	Degradation of phenolic acids by gamma radiation as model compounds of cork wastewaters. <i>Chemical Engineering Journal</i> , 2018, 341, 227-237.	6.6	25
6	E-beam treatment to guarantee the safety and quality of cherry tomatoes. <i>Innovative Food Science and Emerging Technologies</i> , 2019, 55, 57-65.	2.7	24
7	The use of gamma radiation for extractability improvement of bioactive compounds in olive oil wastes. <i>Science of the Total Environment</i> , 2020, 727, 138706.	3.9	21
8	Structural characterization of PDMS-TEOS-CaO-TiO ₂ hybrid materials obtained by sol-gel. <i>Materials Chemistry and Physics</i> , 2014, 143, 557-563.	2.0	20
9	Effects of gamma radiation on cork wastewater: Antioxidant activity and toxicity. <i>Chemosphere</i> , 2017, 169, 139-145.	4.2	19
10	SANS of ZrO ₂ -SiO ₂ gels. <i>Journal of Non-Crystalline Solids</i> , 1997, 209, 143-148.	1.5	18
11	Small angle neutron scattering study of silica gels: influence of pH. <i>Journal of Non-Crystalline Solids</i> , 1999, 258, 70-77.	1.5	18
12	Ionizing Radiation Technologies to Increase the Extraction of Bioactive Compounds from Agro-Industrial Residues: A Review. <i>Journal of Agricultural and Food Chemistry</i> , 2020, 68, 11054-11067.	2.4	18
13	Effect of Ionizing Radiation and Refrigeration on the Antioxidants of Strawberries. <i>Food and Bioprocess Technology</i> , 2020, 13, 1516-1527.	2.6	17
14	Applications of bioactive compounds extracted from olive industry wastes: A review. <i>Comprehensive Reviews in Food Science and Food Safety</i> , 2022, 21, 453-476.	5.9	17
15	Virucidal activity of gamma radiation on strawberries and raspberries. <i>International Journal of Food Microbiology</i> , 2019, 304, 89-96.	2.1	16
16	Collective modes in molten alkaline-earth chlorides. II. Inelastic neutron scattering from molten SrCl ₂ . <i>Journal of Physics C: Solid State Physics</i> , 1984, 17, 4725-4739.	1.5	15
17	Inelastic neutron scattering studies of collective modes in molten CsCl. <i>Journal of Physics C: Solid State Physics</i> , 1985, 18, 5235-5247.	1.5	14
18	Preparation of silica-based hybrid materials by gamma irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2006, 248, 291-296.	0.6	14

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19	Evaluating structural and microstructural changes of PDMS-SiO ₂ hybrid materials after sterilization by gamma irradiation. <i>Materials Science and Engineering C</i> , 2015, 48, 354-358.	3.8	14
20	Oxidation of clofibrac acid in aqueous solution using a non-thermal plasma discharge or gamma radiation. <i>Chemosphere</i> , 2017, 187, 395-403.	4.2	13
21	Hybrid PDMS-Silica-Zirconia materials prepared by $\hat{\text{I}}^3$ -irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2007, 265, 114-117.	0.6	12
22	Phenolic Compounds from Irradiated Olive Wastes: Optimization of the Heat-Assisted Extraction Using Response Surface Methodology. <i>Chemosensors</i> , 2021, 9, 231.	1.8	12
23	A SANS study of xTiO ₂ -SiO ₂ gels with low titania content. <i>Journal of Non-Crystalline Solids</i> , 1993, 163, 115-124.	1.5	11
24	A study of free-volume hole distributions in by positron annihilation spectroscopy. <i>Journal of Physics Condensed Matter</i> , 1996, 8, 6313-6321.	0.7	11
25	A new approach to the preparation of PDMS-SiO ₂ based hybrids - A structural study. <i>Materials Letters</i> , 2014, 128, 105-109.	1.3	11
26	Positronium decay study of zirconia-silica sol-gels. <i>Journal of Non-Crystalline Solids</i> , 2000, 272, 209-217.	1.5	10
27	SANS Study of Zirconia-Silica and Titania-Silica Hybrid Materials. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 345-348.	1.1	10
28	PDMS-SiO ₂ hybrid materials - A new insight into the role of Ti and Zr as additives. <i>Polymer</i> , 2015, 72, 40-51.	1.8	10
29	Novel way to control PDMS cross-linking by gamma-irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 1105-1108.	0.6	9
30	A novel hybrid material with calcium and strontium release capability. <i>Materials Letters</i> , 2012, 88, 12-15.	1.3	9
31	Positronium study of porous structure of sol-gel prepared SiO ₂ : influence of pH. <i>Journal of Non-Crystalline Solids</i> , 2001, 279, 196-203.	1.5	8
32	Investigation of Organic-Inorganic Hybrid Materials Prepared by Irradiation. <i>Journal of Sol-Gel Science and Technology</i> , 2003, 26, 349-352.	1.1	8
33	Influence of the polymer molecular weight on the microstructure of hybrid materials prepared by $\hat{\text{I}}^3$ -irradiation. <i>Radiation Physics and Chemistry</i> , 2015, 106, 126-129.	1.4	8
34	Tracking Human Adenovirus Inactivation by Gamma Radiation under Different Environmental Conditions. <i>Applied and Environmental Microbiology</i> , 2016, 82, 5166-5173.	1.4	8
35	SANS investigation of PDMS hybrid materials prepared by gamma-irradiation. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2008, 266, 5166-5170.	0.6	7
36	The role of Zirconium as thermal stabilizer of PDMS-TEOS hybrids. <i>Journal of Thermal Analysis and Calorimetry</i> , 2010, 100, 557-561.	2.0	7

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37	Elemental and RBS analysis of hybrid materials prepared by gamma-irradiation. Nuclear Instruments & Methods in Physics Research B, 2008, 266, 288-294.	0.6	6
38	Parity violation in the scattering of neutrons near a resonance. Journal of Physics G: Nuclear Physics, 1980, 6, 657-666.	0.8	5
39	Recovery of phenolic compounds from multi-component solution by a synthesized activated carbon using resorcinol and formaldehyde. Water Science and Technology, 2018, 77, 456-466.	1.2	5
40	Solving the problem of SANS instrument optimization. Journal of Applied Crystallography, 1991, 24, 994-998.	1.9	4
41	SANS study of the aging of xTiO ₂ -SiO ₂ gels. Journal of Sol-Gel Science and Technology, 1994, 2, 289-294.	1.1	4
42	Multichannel collimation for SANS instruments. Physica B: Condensed Matter, 2000, 276-278, 189-191.	1.3	4
43	Positron annihilation lifetime study of organic-inorganic hybrid materials prepared by irradiation. Journal of Non-Crystalline Solids, 2005, 351, 340-345.	1.5	4
44	Thermal analysis of hybrid materials prepared by $\hat{\gamma}$ -irradiation. Journal of Thermal Analysis and Calorimetry, 2009, 95, 99-103.	2.0	4
45	Optimization of a small angle neutron scattering spectrometer using a fixed collimation path. Physica B: Condensed Matter, 1989, 156-157, 608-610.	1.3	3
46	Design optimization of a small angle neutron scattering spectrometer. Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment, 1989, 274, 606-607.	0.7	3
47	A contribution to the practical implementation of a variable-geometry converging multichannel collimator for SANS. Journal of Applied Crystallography, 2003, 36, 1266-1269.	1.9	3
48	Use of gamma radiation in sheep butter manufacturing process for shelf-life extension. International Dairy Journal, 2017, 71, 43-49.	1.5	3
49	Structure of mineral gels. Journal of Molecular Structure, 1996, 383, 271-276.	1.8	2
50	The use of multichannel collimation in small-angle neutron scattering: a computer-simulation study. Applied Physics A: Materials Science and Processing, 2002, 74, s1462-s1464.	1.1	2
51	Intensity and resolution effects in converging multichannel collimators for SANS by Monte Carlo simulation. Journal of Applied Crystallography, 2003, 36, 1262-1265.	1.9	2
52	Thermal analysis and SANS characterisation of hybrid materials for biomedical applications. Journal of Thermal Analysis and Calorimetry, 2012, 109, 413-418.	2.0	2
53	A Biodegradation Bench Study of Cork Wastewater using Gamma Radiation. Journal of Advanced Oxidation Technologies, 2016, 19, .	0.5	2
54	Optical effects on neutron guide tubes produced by collimation. Journal of Applied Crystallography, 1991, 24, 531-536.	1.9	1

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55	Structure of SiO ₂ gels prepared with different water contents. <i>Physica B: Condensed Matter</i> , 2000, 276-278, 388-389.	1.3	1
56	Guidelines for the implementation of XYvariable-geometry converging multichannel collimation in a specific SANS facility. <i>Journal of Applied Crystallography</i> , 2004, 37, 210-215.	1.9	1
57	MCNP simulation to optimise in-pile and shielding parts of the Portuguese SANS instrument. <i>Radiation Protection Dosimetry</i> , 2005, 116, 562-565.	0.4	1
58	Inactivation mechanisms of human adenovirus by e-beam irradiation in water environments. <i>Applied Microbiology and Biotechnology</i> , 2022, , .	1.7	1
59	A study of the conventional set-up for SANS measurements. <i>Physica B: Condensed Matter</i> , 1992, 180-181, 947-950.	1.3	0
60	Design Optimisation of a High-Temperature X-Ray Diffractometer for In-Situ Determination of Lattice Mismatch and Residual Stress - the Hotbird. <i>Materials Science Forum</i> , 2000, 321-324, 168-173.	0.3	0
61	Porosity Assessment of \hat{I}^2 -Spodumene/Glass Matrix Composites by Small Angle Neutron Scattering. <i>Materials Science Forum</i> , 2004, 455-456, 230-234.	0.3	0
62	Nanostructure of PDMSâ€™TEOSâ€™PrZr hybrids prepared by direct deposition of gamma radiation energy. <i>Applied Surface Science</i> , 2015, 352, 91-94.	3.1	0