Daniela Di Martino

List of Publications by Year
in descending order

65	1,291	361413 20	361022 35
papers	citations	h-index	g-index

69	69	69	1566
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	SnO2 nanocrystals in SiO2: A wide-band-gap quantum-dot system. Applied Physics Letters, 2002, 81, 1702-1704.	3.3	124
2	Ce3+-doped fibers for remote radiation dosimetry. Applied Physics Letters, 2004, 85, 6356-6358.	3.3	123
3	Vibrational spectra and structure of alkali germanate glasses. Journal of Non-Crystalline Solids, 2001, 293-295, 394-401.	3.1	110
4	Structure of inorganic and hybrid SiO2 solâ€“gel coatings studied by variable incidence infrared spectroscopy. Journal of Non-Crystalline Solids, 2002, 298, 219-225.	3.1	71
5	Ultraviolet photoluminescence of porous silica. Applied Physics Letters, 2000, 76, 3209-3211.	3.3	59
6	Photoluminescence of Sn-doped SiO2 excited by synchrotron radiation. Journal of Non-Crystalline Solids, 2000, 261, 1-8.	3.1	44
7	Insights into Microstructural Features Governing Ce3+ Luminescence Efficiency in Solâ^'Gel Silica Glasses. Chemistry of Materials, 2006, 18, 6178-6185.	6.7	44
8	Geâ^'O Coordination in Cesium Germanate Glasses. Journal of Physical Chemistry B, 2007, 111, 3342-3354.	2.6	44
9	A model for the Geâ€“O coordination in germanate glasses. Journal of Non-Crystalline Solids, 2007, 353, 1688-1694.	3.1	40
10	Electron capture inPbWO4: Mo andPbWO4:Mo,La single crystals: ESR and TSL study. Physical Review B, 2005, 71, .	3.2	39
11	Thermoluminescence of Zr-codoped Lu3Al5O12:Ce crystals. Physica Status Solidi A, 2003, 195, R1-R3.	1.7	35
12	Straightforward fabrication of stable white LEDs by embedding of inorganic UV-LEDs into bulk polymerized polymethyl-methacrylate doped with organic dyes. Scientific Reports, 2014, 4, 4400.	3.3	34
13	Thermally stimulated luminescence of Ce and Tb doped SiO2 solâ€“gel glasses. Journal of Non-Crystalline Solids, 2005, 351, 3699-3703.	3.1	33
14	Neutron resonance transmission imaging for 3D elemental mapping at the ISIS spallation neutron source. Journal of Analytical Atomic Spectrometry, 2015, 30, 745-750.	3.0	29
15	Gd-incorporation and luminescence properties in solâ€“gel silica glasses. Journal of Non-Crystalline Solids, 2008, 354, 3817-3823.	3.1	28
16	Microâ€Raman spectroscopy applied to the study of inclusions within sapphire. Journal of Raman Spectroscopy, 2008, 39, 1007-1011.	2.5	26
17	Detectors and Cultural Heritage: The INFN-CHNet Experience. Applied Sciences (Switzerland), 2021, 11, 3462.	2.5	26
18	Evidences of Rare Earth Ion Aggregates in a Solâ^'Gel Silica Matrix:Â The Case of Cerium and Gadolinium. Chemistry of Materials, 2004, 16, 3352-3356.	6.7	22

#	Article	IF	Citations
19	Trap levels in Y-aluminum garnet scintillating crystals. Radiation Measurements, 2004, 38, 673-676.	1.4	21
20	Rare earth doped LiCaAlF6 as a new potential dosimetric material. Optical Materials, 2007, 30, 69-71.	3.6	21
21	Italian Advisory Board: sFlt-1/PlGF ratio and preeclampsia, state of the art and developments in diagnostic, therapeutic and clinical management. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2016, 206, 70-73.	1.1	20
22	Motivating Cord Blood Donation with Information and Behavioral Nudges. Scientific Reports, 2018, 8, 252.	3.3	20
23	EPR study of Gd3+ doped lead oxide based glasses. Journal of Materials Science, 1999, 34, 3931-3935.	3.7	18
24	Defect states in Lu 3 Al 5 O 12 :Ce crystals. Radiation Effects and Defects in Solids, 2002, 157, 1003-1007.	1.2	16
25	COLOUR ATTRIBUTES OF MEDIEVAL WINDOW PANES: ELECTRON PARAMAGNETIC RESONANCE AND PROBE MICROANALYSES ON STAINED GLASS WINDOWS FROM PAVIA CARTHUSIAN MONASTERY*. Archaeometry, 2005, 47, 381-388.	1.3	15
26	Evidences of Rare-Earth Nanophases Embedded in Silica Using Vibrational Spectroscopy. IEEE Transactions on Nuclear Science, 2010, 57, 1361-1369.	2.0	14
27	A neutron study of sealed pottery from the grave-goods of Kha and Merit. Journal of Analytical Atomic Spectrometry, 2017, 32, 1342-1347.	3.0	14
28	X-ray photoelectron spectroscopy of alkali germanate glasses. Surface and Interface Analysis, 2002, 34, 324-327.	1.8	13
29	Luminescence properties of rare-earth ions in SiO2 glasses prepared by the solâ€“gel method. Journal of Non-Crystalline Solids, 2004, 345-346, 338-342.	3.1	13
30	Radiative decay of vacuum-ultraviolet excitation of silica synthesized by molecular precursors ofSiâ€Sisites: An indicator of intracenter relaxation of neutral oxygen vacancies. Physical Review B, 2005, 71, .	3.2	13
31	Electron paramagnetic resonance of mosaic glasses from the Mediterranean area*. Archaeometry, 2002, 44, 543-554.	1.3	13
32	Rare-earth aggregates in sol-gel silica and their influence on optical properties. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 620-623.	0.8	11
33	Egyptian Grave Goods of Kha and Merit Studied by Neutron and Gamma Techniques. Angewandte Chemie - International Edition, 2018, 57, 7375-7379.	13.8	11
34	Energy-resolved neutron tomography of an unconventional cultured pearl at a pulsed spallation source using a microchannel plate camera. Microchemical Journal, 2018, 137, 473-479.	4.5	11
35	Second trimester uterine arteries pulsatility index is a function of placental pathology and provides insights on stillbirth aetiology: A multicenter matched case-control study. Placenta, 2022, 121, 7-13.	1.5	11
36	Paramagnetic sites in alkali germanate glasses. Journal of Non-Crystalline Solids, 2000, 278, 19-23.	3.1	10

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37	Ultraviolet-excited radiative decay channels of defect states in high-density sixfold-coordinatedSiO2. Physical Review B, 2003, 68, .	3.2	8
38	Maternal cardiac deceleration capacity: a novel insight into maternal autonomic function in pregnancies complicated by hypertensive disorders and intrauterine growth restriction. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2016, 206, 6-11.	1.1	8
39	Comparison of two â€œa prioriâ€•risk assessment algorithms for preeclampsia in Italy: a prospective multicenter study. Archives of Gynecology and Obstetrics, 2019, 299, 1587-1596.	1.7	8
40	The 3.83 eV luminescence of Gd-enriched phosphate glasses. Physica Status Solidi A, 2004, 201, R38-R40.	1.7	6
41	The intriguing case of silicon crystals unveiled in ancient mosaic tesserae. Journal of Raman Spectroscopy, 2012, 43, 1824-1827.	2.5	6
42	Sn codoping effects on the photoluminescence ofSiO2:Ge. Physical Review B, 1997, 55, 15375-15377.	3.2	5
43	Solâ€“gel synthesis of Ge nanophases in silica. Solid State Communications, 2007, 144, 429-432.	1.9	5
44	Disclosing mineralogical phases in medioeval iron nails by non-destructive neutron techniques. Archaeological and Anthropological Sciences, 2017, 9, 515-522.	1.8	5
45	Characterizing pearls structures using X-ray phase-contrast and neutron imaging: a pilot study. Scientific Reports, 2018, 8, 12118.	3.3	5
46	A novel method for spatially-resolved thermal conductivity measurement by super-resolution photo-activated infrared imaging. Materials Today Physics, 2021, 18, 100375.	6.0	5
47	New lenses to look at preeclampsia. Gynecological Endocrinology, 2016, 32, 87-90.	1.7	4
48	SiO 2 -based scintillating fibers for x-ray detectors. , 2004, 5198, 298.		3
49	Narrow line spectra induced by Er3+ in silica glasses containing SnO2 nanocrystals. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 572-575.	0.8	3
50	Electron paramagnetic resonance of mosaic glasses from the Mediterranean area*. Archaeometry, 2002, 44, 543-554.	1.3	3
51	A neutron diffraction and imaging study of ancient iron tie rods. Journal of Instrumentation, 2018, 13, C05009-C05009.	1.2	3
52	A multidisciplinary non-destructive study of historical pipe organ fragments. Materials Characterization, 2019, 148, 317-322.	4.4	3
53	Properties of Ta-doped SrTiO3crystals. Radiation Effects and Defects in Solids, 1999, 151, 165-169.	1.2	2
54	Thermally stimulated luminescence properties of BaY 2 F 8 :Ce Crystals. Radiation Effects and Defects in Solids, 2002, 157, 973-976.	1.2	2

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55	Optical properties of BaY2F8:Ce3+. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 244-247.	0.8	2
56	The Chiaravalle Cross: Results of a Multidisciplinary Study. Heritage, 2019, 2, 2555-2572.	1.9	2
57	Combining Micro-Raman Spectroscopy and Scanning Electron Microscopy Mapping: A Stony Meteorite Study. Materials, 2021, 14, 7585.	2.9	2
58	Low-temperature radio- and thermo-stimulated luminescence of SnO2-doped silica. Journal of Non-Crystalline Solids, 2004, 345-346, 306-310.	3.1	1
59	From tiny gold filigrees to majestic iron tie rods: Neutron facilities for the benefit of cultural heritage. European Physical Journal Plus, 2018, 133, 1.	2.6	1
60	An Archaeometallurgical Investigation on Metal Samples from the Chiaravalle Cross. Heritage, 2019, 2, 836-847.	1.9	1
61	Historical glass mosaic tesserae: a multi-analytical approach for their characterization. European Physical Journal Plus, 2021, 136, 1.	2.6	1
62	Photorefractivity and luminescence properties of Sn-doped SiO 2 glass. , 2002, , .		0
63	Ce-doped SiO 2 glass as scintillating material: variation on the synthesis procedure for the improvement of material properties. , 2006, , .		0
64	Correction to â€œEvidences of Rare-Earth Nanophases Embedded in Silica Using Vibrational Spectroscopyâ€•[Jun 10 1361-1369. IEEE Transactions on Nuclear Science, 2010, 57, 2405-2405.	2.0	0
65	Glass-gems from the National Archaeological Museum in Aquileia: a PIXE/PIGE compositional study. Journal of Physics: Conference Series, 2022, 2204, 012074.	0.4	0