

Anna Galli

List of Publications by Year in descending order

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74
papers

2,778
citations

361045

20
h-index

182168

51
g-index

76
all docs

76
docs citations

76
times ranked

4284
citing authors

#	ARTICLE	IF	CITATIONS
1	FUXYA2020: A Low-Cost Homemade Portable EDXRF Spectrometer for Cultural Heritage Applications. Applied Sciences (Switzerland), 2022, 12, 1006.	1.3	8
2	An innovative protocol for the study of painting materials involving the combined use of MA-XRF maps and hyperspectral images. European Physical Journal Plus, 2022, 137, 1.	1.2	5
3	The activities of the LAMBDA (Laboratory of Milano Bicocca university for Dating and Archaeometry): what's new?. Journal of Physics: Conference Series, 2022, 2204, 012047.	0.3	0
4	Contribution of X-ray Fluorescence Techniques in Cultural Heritage Materials Characterization. Applied Sciences (Switzerland), 2022, 12, 6309.	1.3	1
5	Unusual Luminescence of Quartz from La Sassa, Tuscany: Insights on the Crystal and Defect Nanostructure of Quartz Further Developments. Minerals (Basel, Switzerland), 2022, 12, 828.	0.8	0
6	Co-mutation pattern, clonal hierarchy, and clone size concur to determine disease phenotype of SRSF2P95-mutated neoplasms. Leukemia, 2021, 35, 2371-2381.	3.3	17
7	More than XRF Mapping: STEAM (Statistically Tailored Elemental Angle Mapper) a Pioneering Analysis Protocol for Pigment Studies. Applied Sciences (Switzerland), 2021, 11, 1446.	1.3	10
8	Chemical separation of acrylic color components enabling the identification of the pigment spectroscopic response. European Physical Journal Plus, 2021, 136, 1.	1.2	3
9	Imaging and spectroscopic data combined to disclose the painting techniques and materials in the fifteenth century Leonardo atelier in Milan. Dyes and Pigments, 2021, 187, 109112.	2.0	16
10	ZBTB33 Is Mutated in Clonal Hematopoiesis and Myelodysplastic Syndromes and Impacts RNA Splicing. Blood Cancer Discovery, 2021, 2, 500-517.	2.6	17
11	Thermoluminescence Analysis of the Clay Core of Bronze Statues: A Re-Appraisal of the Case Studies of Lupa Capitolina and Other Masterpieces in Rome. Applied Sciences (Switzerland), 2021, 11, 7820.	1.3	2
12	Deep inside the color: How optical microscopy contributes to the elemental characterization of a painting. Microchemical Journal, 2020, 155, 104730.	2.3	7
13	Luminescence Dating of Rock Surface. The Case of Monoliths from the Megalithic Sanctuary of Ossimo-Pat (Valle Camonica, Italy). Applied Sciences (Switzerland), 2020, 10, 7403.	1.3	8
14	Luminescence and Radiocarbon Dating of Mortars at Milano-Bicocca Laboratories. Radiocarbon, 2020, 62, 657-666.	0.8	3
15	Combined loss of function of two different loci of miR-15/16 drives the pathogenesis of acute myeloid leukemia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12332-12340.	3.3	28
16	Application of statistical analyses for lapis lazuli stone provenance determination by XRL and XRF. Microchemical Journal, 2020, 154, 104655.	2.3	14
17	Applying the "pre-bleached with blue LEDs" protocol to date Umayyad mosaic tesserae by thermoluminescence. Quaternary Geochronology, 2019, 49, 218-222.	0.6	0
18	Mortar OSL and brick TL dating: The case study of the UNESCO world heritage site of Modena. Quaternary Geochronology, 2019, 49, 236-241.	0.6	12

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19	The Giotto's workshop in the XXI century: looking inside the "God the Father with Angels" gable. <i>Journal of Cultural Heritage</i> , 2019, 36, 255-263.	1.5	20
20	Colourants and opacifiers of mosaic glass tesserae from Khirbet al-Mafjar (Jericho, Palestine): addressing technological issues by a multi-analytical approach and evaluating the potentialities of thermoluminescence and optically stimulated luminescence dating. <i>Archaeological and Anthropological Sciences</i> , 2019, 11, 337-359.	0.7	6
21	Giotto Unveiled: New Developments in Imaging and Elemental Analysis Techniques for Cultural Heritage. , 2018, , 57-66.		2
22	A new spherical scanning system for infrared reflectography of paintings. <i>Infrared Physics and Technology</i> , 2017, 81, 128-136.	1.3	18
23	Discovering the material palette of the artist: a XRF stratigraphic study of the Giotto panel "God the Father with Angels". <i>X-Ray Spectrometry</i> , 2017, 46, 435-441.	0.9	22
24	Looking for Common Fingerprints in Leonardo's Pupils Using Nondestructive Pigment Characterization. <i>Applied Spectroscopy</i> , 2017, 71, 1915-1926.	1.2	14
25	Gene expression and risk of leukemic transformation in myelodysplasia. <i>Blood</i> , 2017, 130, 2642-2653.	0.6	64
26	An empirical model of the sunlight bleaching efficiency of brick surfaces. <i>Radiation Measurements</i> , 2017, 107, 67-72.	0.7	5
27	Non-invasive in situ analytical techniques working in synergy: The application on graduals held in the Certosa di Pavia. <i>Microchemical Journal</i> , 2016, 126, 172-180.	2.3	26
28	Micro-invasive approach for non-destructive XRF analysis on light matrix: inside the Opus Lemovicense. <i>X-Ray Spectrometry</i> , 2015, 44, 169-176.	0.9	2
29	True versus forged in the cultural heritage materials: the role of PXRF analysis. <i>X-Ray Spectrometry</i> , 2014, 43, 22-28.	0.9	12
30	A multidisciplinary materials characterization of a Joannes Marcus viol (16th century). <i>Heritage Science</i> , 2014, 2, 15.	1.0	16
31	Surface dating of bricks, an application of luminescence techniques. <i>European Physical Journal Plus</i> , 2014, 129, 1.	1.2	10
32	Retrospective radiation dosimetry using OSL of electronic components: Results of an inter-laboratory comparison. <i>Radiation Measurements</i> , 2014, 71, 475-479.	0.7	70
33	A multi-technique chemical characterization of a Stradivari decorated violin top plate. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 112, 225-234.	1.1	20
34	Clinical and biological implications of driver mutations in myelodysplastic syndromes. <i>Blood</i> , 2013, 122, 3616-3627.	0.6	1,562
35	Comparison between XRF, TXRF, and PXRF analyses for provenance classification of archaeological bricks. <i>X-Ray Spectrometry</i> , 2013, 42, 262-267.	0.9	46
36	The role of opacifiers in the luminescence of mosaic glass: Characterization of the optical properties of cassiterite (SnO ₂). <i>Radiation Measurements</i> , 2012, 47, 814-819.	0.7	6

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37	The intriguing case of silicon crystals unveiled in ancient mosaic tesserae. <i>Journal of Raman Spectroscopy</i> , 2012, 43, 1824-1827.	1.2	6
38	Radioluminescence of synthetic quartz related to alkali ions. <i>Journal of Luminescence</i> , 2012, 132, 1030-1036.	1.5	19
39	Thermo-stimulated luminescence of ion-irradiated yttria-stabilized zirconia. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 115901.	0.7	7
40	Thermo-stimulated luminescence of x-ray- and alpha-irradiated yttria-stabilized zirconia. <i>Journal of Physics Condensed Matter</i> , 2011, 23, 455901.	0.7	2
41	Dating ancient mosaic glasses by luminescence: The case study of San Pietro in Vaticano. <i>European Physical Journal Plus</i> , 2011, 126, 1.	1.2	11
42	EDXRF analysis of metal artefacts from the grave goods of the Royal Tomb 14 of Sipã;n, Peru. <i>X-Ray Spectrometry</i> , 2011, 40, 74-78.	0.9	20
43	Updating of the interpretation of the optical absorption and emission of Verneuil synthetic and natural metamorphic blue sapphire: the role of V ²⁺ , V ³⁺ and Cr ²⁺ . <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012087.	0.3	4
44	Study of TSL and OSL properties of dental ceramics for accidental dosimetry applications. <i>Radiation Measurements</i> , 2010, 45, 35-41.	0.7	31
45	Comparison of three portable EDXRF spectrometers for pigment characterization. <i>X-Ray Spectrometry</i> , 2010, 39, 233-242.	0.9	21
46	XRF analysis without sampling of Etruscan depurata pottery for provenance classification. <i>X-Ray Spectrometry</i> , 2010, 39, 346-352.	0.9	26
47	Luminescence study of transition metal ions in natural magmatic and metamorphic yellow sapphires. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 15, 012086.	0.3	4
48	Quaternary evolution of the intermontane Val d'Agri Basin, Southern Apennines. <i>Quaternary Research</i> , 2009, 72, 431-442.	1.0	19
49	Common ware production at Thamusida: dating and characterisation of Roman and Islamic pottery. <i>Archaeological and Anthropological Sciences</i> , 2009, 1, 77-85.	0.7	6
50	EDXRF quantitative analysis of chromophore chemical elements in corundum samples. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 2021-2027.	1.9	20
51	Quartz OSL emission spectra and the role of [AlO ₄] ^o recombination centres. <i>Radiation Measurements</i> , 2009, 44, 458-461.	0.7	29
52	Optically stimulated luminescence dating of a stratigraphic Late Glacialâ€“Holocene sequence in the Po plain (Bubano quarry, Bologna, Italy). <i>Quaternary International</i> , 2009, 199, 45-55.	0.7	3
53	Molecular and clinical features of refractory anemia with ringed sideroblasts associated with marked thrombocytosis. <i>Blood</i> , 2009, 114, 3538-3545.	0.6	135
54	Archaeometric study of fictile tubes from three churches in Milan. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 117-121.	1.1	3

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55	A non invasive method to detect stratigraphy, thicknesses and pigment concentration of pictorial multilayers based on EDXRF and vis-RS: in situ applications. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 92, 203-210.	1.1	30
56	<i>In situ</i> EDXRF analyses on Renaissance plaquettes and indoor bronzes patina problems and provenance clues. <i>X-Ray Spectrometry</i> , 2008, 37, 388-394.	0.9	15
57	Radioluminescence study of surface and ceramic body of lustred majolicas. <i>Surface Engineering</i> , 2008, 24, 118-120.	1.1	0
58	Efficient 1.53 μ m erbium light emission in heavily Er-doped titania-modified aluminium tellurite glasses. <i>Journal of Non-Crystalline Solids</i> , 2007, 353, 2150-2156.	1.5	26
59	In situ non-invasive EDXRF analysis to reconstruct stratigraphy and thickness of Renaissance pictorial multilayers. <i>X-Ray Spectrometry</i> , 2007, 36, 55-61.	0.9	38
60	Ionic mechanisms in the optically stimulated luminescence of quartz. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 1000-1003.	0.8	13
61	Thermoluminescence and visible reflectance spectroscopy applied to the study of blue-green mosaic silica-glass tesserae. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2007, 4, 950-953.	0.8	7
62	Optical absorption spectra of Fe ²⁺ and Fe ³⁺ in beryl crystals. <i>Physica Status Solidi (B): Basic Research</i> , 2007, 244, 4660-4668.	0.7	25
63	TL of fine-grain samples from quartz-rich archaeological ceramics: Dosimetry using the 110 and TL peaks. <i>Radiation Measurements</i> , 2006, 41, 1009-1014.	0.7	17
64	Photoluminescence emissions of ceramics: a marker of production technology. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 681-684.	1.1	1
65	Study of blue colour in ancient mosaic tesserae by means of thermoluminescence and reflectance measurements. <i>Applied Physics A: Materials Science and Processing</i> , 2006, 83, 675-679.	1.1	18
66	Thermally and optically stimulated luminescence of early medieval blue-green glass mosaics. <i>Radiation Measurements</i> , 2004, 38, 799-803.	0.7	6
67	Thermally and optically stimulated luminescence of glass mosaic tesserae. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 253-256.	1.1	7
68	Luminescence properties of lustre decorated majolica. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 293-297.	1.1	8
69	Technological study of ancient ceramics produced in Casteldurante (central Italy) during the Renaissance. <i>Applied Physics A: Materials Science and Processing</i> , 2004, 79, 335-339.	1.1	17
70	A new approach for archaeological ceramics analysis using total reflection X-ray fluorescence spectrometry. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 177-184.	1.5	46
71	The use of antimony and its implication for the luminescence properties of ancient mosaic tesserae. <i>Journal of Non-Crystalline Solids</i> , 2003, 323, 72-77.	1.5	9
72	Field and Laboratory Spectroscopic Methods for the Identification of Pigments in a Northern Italian Eleventh Century Fresco Cycle. <i>Applied Spectroscopy</i> , 2002, 56, 827-833.	1.2	35

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73	Analyses of the stained glasses of Certosa di Pavia. X-Ray Spectrometry, 2002, 31, 35-38.	0.9	9
74	Direct evaluation of self-absorption effects in dark matrices by Compton scattering measurements. X-Ray Spectrometry, 2000, 29, 443-448.	0.9	11