

# Gloria Vaggelli

## List of Publications by Year in descending order

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43  
papers

786  
citations

471509

17  
h-index

526287

27  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1007  
citing authors

#	ARTICLE	IF	CITATIONS
1	Late Miocene volcanism and intra-arc tectonics during the early development of the Trans-Mexican Volcanic Belt. <i>Tectonophysics</i> , 2000, 318, 161-185.	2.2	117
2	Origin of magmas feeding the Plinian phase of the Campanian Ignimbrite eruption, Phlegrean Fields (Italy): constraints based on matrix-glass and glass-inclusion compositions. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 91, 199-220.	2.1	76
3	Pre-eruptive volatile (H <sub>2</sub> O, F, Cl and S) contents of phonolitic magmas feeding the 3550-year old Avellino eruption from Vesuvius, southern Italy. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 93, 237-256.	2.1	51
4	Arsenic-Bearing Calcite in Natural Travertines: Evidence from Sequential Extraction, <sup>137</sup> Cs XAS, and <sup>137</sup> Cs XRF. <i>Environmental Science &amp; Technology</i> , 2013, 47, 6231-6238.	10.0	46
5	Volatile element zonation in Campanian Ignimbrite magmas (Phlegrean Fields, Italy): evidence from the study of glass inclusions and matrix glasses. <i>Contributions To Mineralogy and Petrology</i> , 2001, 140, 543-553.	3.1	42
6	Fragments of the Western Alpine Chain as Historic Ornamental Stones in Turin (Italy): Enhancement of Urban Geological Heritage through Geotourism. <i>Geoheritage</i> , 2014, 6, 41-55.	2.8	38
7	Persistent polybaric rests of calc-alkaline magmas at Stromboli volcano, Italy: pressure data from fluid inclusions in restitic quartzite nodules. <i>Bulletin of Volcanology</i> , 2003, 65, 385-404.	3.0	34
8	Silicate-melt inclusions in recent Vesuvius lavas (1631-1944): II. Analytical chemistry. <i>Journal of Volcanology and Geothermal Research</i> , 1993, 58, 367-376.	2.1	31
9	A widespread mafic volcanic unit at the base of the Mexican Volcanic Belt between Guadalajara and Querétaro. <i>Geofisica International</i> , 1994, 33, 107-123.	0.2	29
10	Sulfur isotope evolution in sulfide ores from Western Alps: Assessing the influence of subduction-related metamorphism. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3808-3829.	2.5	28
11	Tectonostratigraphy of the northern Monviso Meta-ophiolite Complex (Western Alps). <i>Italian Journal of Geosciences</i> , 2014, 133, 409-426.	0.8	26
12	Micro-PIXE Analysis of Monazite from the Dora Maira Massif, Western Italian Alps. <i>Mikrochimica Acta</i> , 2006, 155, 305-311.	5.0	21
13	Mediaeval stained glasses of pisa cathedral (Italy): their composition and alteration products. <i>Analyst, The</i> , 1996, 121, 553.	3.5	20
14	<sup>137</sup> Cs-XRF Analysis of Trace Elements in Lapis Lazuli-Forming Minerals for a Provenance Study. <i>Microscopy and Microanalysis</i> , 2015, 21, 526-533.	0.4	20
15	THE PIEDMONT WHITE MARBLES USED IN ANTIQUITY: AN ARCHAEOMETRIC DISTINCTION INFERRED BY A MINERALOGICAL-PETROGRAPHIC AND <sup>18</sup> O STABLE ISOTOPE STUDY*. <i>Archaeometry</i> , 2009, 51, 913-931.	1.3	19
16	Highly Sr radiogenic tholeiitic magmas in the latest inter-Plinian activity of Santorini volcano, Greece. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	19
17	<sup>137</sup> Cs-XRF analysis of glasses: a non-destructive utility for cultural heritage applications. <i>Analyst, The</i> , 2012, 137, 662-667.	3.5	18
18	Volcanic Quartz Growth Zoning Identified by Cathodoluminescence and EPMA Studies. <i>Mikrochimica Acta</i> , 2002, 139, 151-158.	5.0	14

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19	Silicate-melt inclusions in recent Vesuvius lavas (A.D. 1631-1944): I. Petrography and microthermometry. <i>European Journal of Mineralogy</i> , 1992, 4, 1113-1124.	1.3	14
20	Combined micro-PIXE facility and monochromatic cathodoluminescence spectroscopy applied to colored minerals of natural stones: an example from amazonite. <i>X-Ray Spectrometry</i> , 2005, 34, 345-349.	1.4	12
21	Composition and microstructure of maiolica from the museum of ceramics in Ascoli Piceno (Italy): evidences by electron microscopy and microanalysis. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 120, 1643-1652.	2.3	10
22	Improvements to the analytical protocol of lapis lazuli provenance: First study on Myanmar rock samples. <i>European Physical Journal Plus</i> , 2019, 134, 1.	2.6	9
23	Comparison between major and trace element concentrations in garnet performed by EPMA and micro-PIXE techniques. <i>Spectrochimica Acta, Part B: Atomic Spectroscopy</i> , 2003, 58, 699-709.	2.9	8
24	Chemical Investigation of Coloured Minerals in Natural Stones of Commercial Interest. <i>Mikrochimica Acta</i> , 2004, 145, 249-254.	5.0	7
25	Chemical determination of coloured zoned minerals in natural stones™ by EDS/WDS electron microprobe: an example from dumortierite quartzites. <i>X-Ray Spectrometry</i> , 2004, 33, 21-27.	1.4	7
26	Combined cathodoluminescence spectroscopy, electron microprobe and laser ablation ICP mass spectrometry analysis: an attempt to correlate luminescence and chemical composition of monazite. <i>Mikrochimica Acta</i> , 2008, 161, 313-321.	5.0	7
27	Islamic glass weights from Egypt. <i>Journal of Non-Crystalline Solids</i> , 2013, 363, 96-102.	3.1	6
28	A New Approach for Provenance Studies of Archaeological Finds: Inferences from Trace Elements in Carbonate Minerals of Alpine White Marbles by a Bench-to-Top XRF Spectrometer. <i>International Journal of Mineralogy</i> , 2014, 2014, 1-11.	0.6	6
29	Stone materials used for monumental buildings in the historical centre of Turin (NW Italy): architectural survey and petrographic characterization of Via Roma. <i>Geological Society Special Publication</i> , 2015, 407, 201-218.	1.3	6
30	MicroPIXE determination of Zr in rutile: an application to geothermometry of high- $P$ rocks from the western Alps (Italy). <i>X-Ray Spectrometry</i> , 2008, 37, 146-150.	1.4	5
31	The stones of the statuary of the Egyptian Museum of Torino (Italy): geologic and petrographic characterization. <i>Rendiconti Lincei</i> , 2015, 26, 385-398.	2.2	5
32	STONE Pietre Egizie: a Free Mobile Application for Promoting the Scientific Research on Ornamental Stones of Museo Egizio of Torino, Italy. <i>Geoheritage</i> , 2020, 12, .	2.8	5
33	EPMA Major and Trace Element Analysis in Garnet and its Petrological Application. <i>Mikrochimica Acta</i> , 2002, 139, 17-25.	5.0	4
34	Evidence of primitive melt heterogeneities preserved in plagioclase-hosted melt inclusions of South Atlantic MORB. <i>Geochemical Journal</i> , 2006, 40, 277-290.	1.0	4
35	BLACK AND RED GRANITES IN THE EGYPTIAN ANTIQUITY MUSEUM OF TURIN: A MINERO-PETROGRAPHIC AND PROVENANCE STUDY. <i>Archaeometry</i> , 2010, 52, 962.	1.3	4
36	Micro-XRF Trace Element Quantification in Calcite: a Contribution to White Marble Provenance Determination. <i>Microscopy and Microanalysis</i> , 2011, 17, 1808-1809.	0.4	4

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37	The "Stella Polare" Expedition (1899-1900): Study and Enhancement of the Rock Collection. <i>Geoheritage</i> , 2020, 12, 1.	2.8	4
38	Compositional X-Ray Maps of Metamorphic and Magmatic Minerals. , 1998, , 227-235.		4
39	Yttrium Geothermometry Applied to Garnets from Different Metamorphic Grades Analysed by EPMA and $\mu$ -PIXE Techniques. <i>Mikrochimica Acta</i> , 2006, 155, 105-112.	5.0	3
40	"Ramses II in Majesty" A Minerog-Petrographic and Provenance Rock Study. , 2011, , 193-198.		2
41	Improvements in trace element detection in energy dispersive spectrometry using an X-ray filter (FEDS) and applications to petrological problems. <i>Mikrochimica Acta</i> , 2008, 161, 337-342.	5.0	1
42	Surface Characterization of a Decarburized and Nitrided Steel. <i>Microscopy and Microanalysis</i> , 2006, 12, 335-339.	0.4	0
43	Modern Developments and Applications in Microbeam Analysis. Proceedings of the 9th Workshop of the European Microbeam Analysis Society (EMAS) and the 3rd Meeting of the International Union of Microbeam Analysis Societies (IUMAS), Florence, Italy, May 22-26, 2005. <i>Mikrochimica Acta</i> , 2006, 155, 1-3.	5.0	0