# Paolo Mazzoleni

List of Publications by Year
in descending order

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| 100 | 1,751 | 236833 | 377752 |
|---|---|---|---|
| papers | citations | 25 h-index | 34 g-index |

| 103 | 103 | 103 | 1690 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The stones in monumental masonry buildings of the â€œVal di Notoâ€•area: New data on the relationships between petrographic characters and physicalâ€“mechanical properties. Construction and Building Materials, 2012, 33, 122-132. | 3.2 | 68 |
| 2 | Mediterranean Diet and Particulate Matter Exposure Are Associated With LINE-1 Methylation: Results From a Cross-Sectional Study in Women. Frontiers in Genetics, 2018, 9, 514. | 1.1 | 52 |
| 3 | P- and S-wave velocities and densities in silicate and calcite rocks from the Peloritani Mountains, Sicily (Italy): The effect of pressure, temperature and the direction of wave propagation. Tectonophysics, 2005, 409, 55-72. | 0.9 | 50 |
| 4 | Clay Mineral Assemblages and Sandstone Compositions of the Mesozoic Longobucco Group, Northeastern Calabria: Implications for Burial History and Diagenetic Evolution. International Geology Review, 2008, 50, 1116-1131. | 1.1 | 49 |
| 5 | FT-IR study of early stages of alkali activated materials based on pyroclastic deposits (Mt. Etna, Sicily,) Tj ETQq1 1 0.784314 rgBT /Overl | 3.2 | 48 |
| 6 | PETROGRAPHIC AND CHEMICAL CHARACTERIZATION OF POTTERY PRODUCTION OF THE LATE MINOAN I KILN AT HAGHIA TRIADA, CRETE*. Archaeometry, 2007, 49, 621-653. | 0.6 | 44 |
| 7 | Petrology and Geochemistry of Cretaceous Sedimentary Rocks of the Monte Soro Unit (Sicily, Italy): Constraints on Weathering, Diagenesis, and Provenance. Journal of Geology, 2011, 119, 51-68. | 0.7 | 44 |
| 8 | Microtextural and microstructural influence on the changes of physical and mechanical proprieties related to salts crystallization weathering in natural building stones. The example of Sabucina stone (Sicily). Construction and Building Materials, 2015, 95, 355-365. | 3.2 | 44 |
| 9 | Application of protective products to â€œNotoâ€•calcarenite (south-eastern Sicily): a case study for the conservation of stone materials. Environmental Earth Sciences, 2011, 62, 1263-1272. | 1.3 | 42 |
| 10 | CHEMICAL CHARACTERIZATION AND STATISTICAL MULTIVARIATE ANALYSIS OF ANCIENT POTTERY FROM MESSINA, CATANIA, LENTINI AND SIRACUSA (SICILY)*. Archaeometry, 2005, 47, 745-762. | 0.6 | 41 |
| 11 | Mid-Ordovician Uâ€“Pb ages of porphyroids in the Peloritan Mountains (NE Sicily): palaeogeographical implications for the evolution of the Alboran microplate. Journal of the Geological Society, 2004, 161, 265-276. | 0.9 | 39 |
| 12 | Nanocrystalline TiO2 by solâ€“gel: Characterisation and photocatalytic activity on Modica and Comiso stones. Applied Surface Science, 2013, 282, 165-173. | 3.1 | 37 |
| 13 | FT-IR absorbance spectroscopy to study Sicilian â€œproto-majolicaâ€•pottery. Vibrational Spectroscopy, 2008, 48, 269-275. | 1.2 | 36 |
| 14 | Alkali activated materials using pumice from the Aeolian Islands (Sicily, Italy) and their potentiality for cultural heritage applications: Preliminary study. Construction and Building Materials, 2020, 259, 120391. | 3.2 | 36 |
| 15 | Nanoscale surface modification of Mt. Etna volcanic ashes. Geochimica Et Cosmochimica Acta, 2016, 174, 70-84. | 1.6 | 35 |
| 16 | Laboratory measurement of ultrasound velocity during accelerated aging tests: Implication for the determination of limestone durability. Construction and Building Materials, 2012, 36, 977-983. | 3.2 | 34 |
| 17 | X-Ray Map Analyser: A new ArcGISÂ® based tool for the quantitative statistical data handling of X-ray maps (Geo- and material-science applications). Computers and Geosciences, 2014, 72, 49-64. | 2.0 | 34 |
| 18 | Nondestructive investigation on the 17â€•18th centuries Sicilian jewelry collection at the Messina regional museum using mobile Raman equipment. Journal of Raman Spectroscopy, 2015, 46, 989-995. | 1.2 | 33 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Combined non-destructive XRF and SR-XAS study of archaeological artefacts. Analytical and Bioanalytical Chemistry, 2011, 399, 3147-3153. | 1.9 | 32 |
| 20 | Characterization of emeralds by microâ€Raman spectroscopy. Journal of Raman Spectroscopy, 2014, 45, 1293-1300. | 1.2 | 32 |
| 21 | Building stone employed in the historical monuments of Eastern Sicily (Italy). An example: the ancient city centre of Catania. Environmental Geology, 2006, 50, 156-169. | 1.2 | 31 |
| 22 | Potentiality of nonâ€destructive XRF analysis for the determination of Corinthian B amphorae provenance. X-Ray Spectrometry, 2011, 40, 333-337. | 0.9 | 29 |
| 23 | Potentiality of the Use of Pyroclastic Volcanic Residues in the Production of Alkali Activated Material. Waste and Biomass Valorization, 2021, 12, 1075-1094. | 1.8 | 29 |
| 24 | Nanocrystalline TiO2 coatings by solâ€“gel: photocatalytic activity on Pietra di Noto biocalcarenite. Journal of Sol-Gel Science and Technology, 2015, 75, 141-151. | 1.1 | 28 |
| 25 | A portableÂversus microâ€Raman equipment comparison for gemmological purposes: the case of sapphires and their imitations. Journal of Raman Spectroscopy, 2014, 45, 1309-1317. | 1.2 | 27 |
| 26 | A volcanic inclusions based approach for provenance studies of archaeological ceramics: application to pottery from southern Italy. Journal of Archaeological Science, 2010, 37, 713-726. | 1.2 | 26 |
| 27 | Artificial neural network for the provenance study of archaeological ceramics using clay sediment database. Journal of Cultural Heritage, 2019, 38, 147-157. | 1.5 | 25 |
| 28 | The Cathedral of S. Giorgio in Ragusa Ibla (Italy): characterization of construction materials and their chromatic alteration. Environmental Geology, 2008, 55, 499-504. | 1.2 | 23 |
| 29 | A multi-technique approach for the determination of the porous structure of building stone. European Journal of Mineralogy, 2014, 26, 189-198. | 0.4 | 23 |
| 30 | Alkali metasomatism as a process for trondhjemite genesis: evidence from Aspromonte Unit, north-eastern Peloritani, Sicily. Mineralogy and Petrology, 2005, 84, 19-45. | 0.4 | 22 |
| 31 | Characterization of ancient amphorae by spectroscopic techniques. Vibrational Spectroscopy, 2006, 42, 381-386. | 1.2 | 22 |
| 32 | Combined statistical and petrological analysis of provenance and diagenetic history of mudrocks: Application to Alpine Tethydes shales (Sicily, Italy). Sedimentary Geology, 2009, 213, 27-40. | 1.0 | 22 |
| 33 | In situ Raman and pXRF spectroscopic study on the wall paintings of Etruscan Tarquinia tombs. Dyes and Pigments, 2018, 150, 390-403. | 2.0 | 21 |
| 34 | Iron speciation in ancient Attic pottery pigments: aÂnon-destructive SR-XAS investigation. Journal of Synchrotron Radiation, 2012, 19, 782-788. | 1.0 | 19 |
| 35 | The transport amphorae of Gela: a multidisciplinary study on provenance and technological aspects. Journal of Archaeological Science, 2012, 39, 11-22. | 1.2 | 19 |
| 36 | Technological study of â€œghiaraâ€•mortars from the historical city centre of Catania (Eastern Sicily,) Tj ETQq0 0 0 rgBT /Overlock 10 T<br>995-1003. | 1.3 | 18 |

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|---|---|---|---|
| 37 | Raman Investigation of Precious Jewelry Collections Preserved in Paolo Orsi Regional Museum (Siracusa, Sicily) Using Portable Equipment. Applied Spectroscopy, 2016, 70, 1420-1431. | 1.2 | 18 |
| 38 | ARCHAEOMETRIC ANALYSES ON 'CORINTHIAN B' TRANSPORT AMPHORAE FOUND AT GELA (SICILY, ITALY)*. Archaeometry, 2004, 46, 553-568. | 0.6 | 17 |
| 39 | FT-IR spectroscopic analysis to study the firing processes of prehistoric ceramics. Journal of Molecular Structure, 2011, 993, 147-150. | 1.8 | 17 |
| 40 | The Hellenistic and Roman Syracuse (Sicily) Fine Pottery Production Explored by Chemical and Petrographic Analysis. Archaeometry, 2014, 56, 70-87. | 0.6 | 17 |
| 41 | Natural and anthropogenic sources of total suspended particulate and their contribution to the formation of black crusts on building stone materials of Catania (Sicily). Environmental Earth Sciences, 2012, 67, 1097-1110. | 1.3 | 16 |
| 42 | Nondestructive Raman investigation on wall paintings at Sala Vaccarini in Catania (Sicily). Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 1.1 | 16 |
| 43 | Textural evidence of peperites inside pillow lavas at Acicastello Castle Rock (Mt. Etna, Sicily). Journal of Volcanology and Geothermal Research, 2002, 114, 219-229. | 0.8 | 15 |
| 44 | Characterisation and differentiation of pigments employed on the faÃ§ade of â€œNotoâ€™s Valleyâ€• monuments (Sicily). Applied Physics A: Materials Science and Processing, 2008, 92, 185-190. | 1.1 | 15 |
| 45 | Study of Late Roman and Byzantine glass by the combined use of analytical techniques. Journal of Non-Crystalline Solids, 2012, 358, 1554-1561. | 1.5 | 14 |
| 46 | Artificial neural networks test for the prediction of chemical stability of pyroclastic deposits-based AAMs and comparison with conventional mathematical approach (MLR). Journal of Materials Science, 2021, 56, 513-527. | 1.7 | 14 |
| 47 | Chemical and colorimetric analysis for the characterization of degradation forms and surface colour modification of building stone materials. Construction and Building Materials, 2021, 302, 124356. | 3.2 | 14 |
| 48 | Small angle neutron scattering as fingerprinting of ancient potteries from Sicily (Southern Italy). Journal of Applied Physics, 2009, 106, 054904. | 1.1 | 13 |
| 49 | Nondestructive analyses of carbonate rocks: applications and potentiality for museum materials. X-Ray Spectrometry, 2013, 42, 8-15. | 0.9 | 13 |
| 50 | Raman spectroscopy potentiality in the study of geopolymers reaction degree. Journal of Raman Spectroscopy, 2022, 53, 617-629. | 1.2 | 13 |
| 51 | Gravity Modeling in Fold-Thrust Belts: An Example from the Peloritani Mountains, Southern Italy. International Geology Review, 2004, 46, 1042-1050. | 1.1 | 12 |
| 52 | Multi-technique characterization of ancient findings from Gela (Sicily, Italy). Journal of Analytical Atomic Spectrometry, 2011, 26, 977. | 1.6 | 11 |
| 53 | X-ray computed micro-tomography to study the porous structure and degradation processes of a building stone from Sabucina (Sicily). European Journal of Mineralogy, 2015, 27, 279-288. | 0.4 | 11 |
| 54 | Raman and SEMâ€EDS insights into technological aspects of Medieval and Renaissance ceramics from Southern Italy. Journal of Raman Spectroscopy, 2021, 52, 186-198. | 1.2 | 11 |

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|---|---|---|---|
| 55 | Surface reactivity of Etna volcanic ash and evaluation of health risks. Science of the Total Environment, 2021, 761, 143248. | 3.9 | 11 |
| 56 | Comparison between TOF-ND and XRD quantitative phase analysis of ancient potteries. Journal of Analytical Atomic Spectrometry, 2011, 26, 1060. | 1.6 | 10 |
| 57 | Small angle neutron scattering as fingerprinting of ancient potteries from Sicily (Southern Italy). Applied Clay Science, 2011, 54, 40-40. | 2.6 | 10 |
| 58 | On the technical properties of the Carovigno stone from Apulia (Italy): physical characterization and decay effects by means of experimental ageing tests. Environmental Earth Sciences, 2018, 77, 1. | 1.3 | 10 |
| 59 | Two centuries of painted plasters from the Lateran suburban villa (Rome): investigating supply routes and manufacturing of pigments. Journal of Cultural Heritage, 2021, 48, 171-185. | 1.5 | 10 |
| 60 | Effect of atmospheric exposure on alkali activated binders and mortars from Mt. Etna volcanic precursors. Materials Letters, 2022, 315, 131940. | 1.3 | 10 |
| 61 | Non-destructive identification of green and yellow pigments: theÂcaseÂof some Sicilian Renaissance glazed pottery. Applied Physics A: Materials Science and Processing, 2010, 100, 845-853. | 1.1 | 9 |
| 62 | Characterisation of archaeological pottery: The case of â€œIonian Cupsâ€• Journal of Molecular Structure, 2011, 993, 142-146. | 1.8 | 9 |
| 63 | variability and provenance evaluation. Italian Journal of Geosciences, 2014, 133, 13-26. | 0.4 | 9 |
| 64 | Neutron radiography for the characterization of porous structure in degraded building stones. Journal of Instrumentation, 2014, 9, C05024-C05024. | 0.5 | 9 |
| 65 | Archeometric characterization of prehistoric grindstones from Milazzo Bronze Age settlement (Sicily, Italy). Archaeological and Anthropological Sciences, 2018, 10, 1571-1583. | 0.7 | 9 |
| 66 | The effects of a Meso-Alpine collision event on the tectono-metamorphic evolution of the Peloritani mountain belt (eastern Sicily, southern Italy). Geological Magazine, 2018, 155, 422-437. | 0.9 | 9 |
| 67 | Petrogenesis of late Hercynian calc-alkaline dykes of mid-eastern Sardinia: petrographical and geochemical data constraining hybridization process. European Journal of Mineralogy, 2000, 12, 1261-1282. | 0.4 | 9 |
| 68 | Integrated analytical approach to unveil the secrets of the recently discovered â€œSphinx Roomâ€• a new piece of Domus Aurea puzzle. Heritage Science, 2020, 8, . | 1.0 | 9 |
| 69 | The Cathedral of St. Giorgio in Ragusa Ibla (Italy): a case study of the use of protective products. Environmental Geology, 2008, 54, 1501-1506. | 1.2 | 8 |
| 70 | Petrographic and chemical characterisation of fine ware from three Archaic and Hellenistic kilns in Gela, Sicily. Journal of Cultural Heritage, 2012, 13, 442-447. | 1.5 | 8 |
| 71 | Spectroscopic analyses of Hellenistic painted plasters from 2nd century B.C., Sicily (South Italy). Journal of Cultural Heritage, 2012, 13, 229-233. | 1.5 | 8 |
| 72 | Integrated approach of nutritional and molecular epidemiology, mineralogical and chemical pollutant characterisation: the protocol of a cross-sectional study in women. BMJ Open, 2017, 7, e014756. | 0.8 | 8 |

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|---|---|---|---|
| 73 | Portable XRF: A Tool for the Study of Corundum Gems. Open Archaeology, 2017, 3, . | 0.3 | 8 |
| 74 | Archaeometric evidences of the 4thâ€“2nd century BC amphorae productions in north eastern Sicily. Journal of Archaeological Science, 2011, 38, 3060-3071. | 1.2 | 7 |
| 75 | Small angle neutron scattering study of ancient pottery from Syracuse (Sicily, Southern Italy). Journal of Archaeological Science, 2013, 40, 983-991. | 1.2 | 6 |
| 76 | A multi-technique approach for the characterization of decorative stones and non-destructive method for the discrimination of similar rocks. X-Ray Spectrometry, 2014, 43, 83-92. | 0.9 | 6 |
| 77 | Petrographic and chemical characterization of Bronze Age pottery from the settlement of Mount San Paolillo (Catania, Italy). Rendiconti Lincei, 2015, 26, 485-497. | 1.0 | 6 |
| 78 | <sup>13</sup>C Solid State Nuclear Magnetic Resonance and Âµ-Raman Spectroscopic Characterization of Sicilian Amber. Applied Spectroscopy, 2016, 70, 1346-1355. | 1.2 | 6 |
| 79 | Visualization and quantification of weathering effects on capillary water uptake of natural building stones by using neutron imaging. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 1.1 | 6 |
| 80 | I-PETER (Interactive platform to experience tours and education on the rocks): A virtual system for the understanding and dissemination of mineralogical-petrographic science. Pattern Recognition Letters, 2020, 131, 85-90. | 2.6 | 6 |
| 81 | Building geopolymers for CuHe part I: thermal properties of raw materials as precursors for geopolymers. Journal of Thermal Analysis and Calorimetry, 2022, 147, 5323-5335. | 2.0 | 6 |
| 82 | Raman studies on zoisite and tanzanite for gemmological applications. Journal of Raman Spectroscopy, 2022, 53, 550-562. | 1.2 | 5 |
| 83 | In situ XRF investigations to unravel the provenance area of Corinthian ware from excavations in Milazzo (Mylai) and Lipari (LipÃ¡ra). Heritage Science, 2022, 10, . | 1.0 | 5 |
| 84 | Multi-scale laboratory routine in the efficacy assessment of conservative products for natural stones. MethodsX, 2018, 5, 1095-1101. | 0.7 | 4 |
| 85 | Exploring the Coroplastsâ€™ â€˜Techneâ€™ in Greek Architectural Terracottas from Sicily: an Archaeometric Approach. Archaeometry, 2018, 60, 986-1001. | 0.6 | 4 |
| 86 | The Irreplaceable Contribution of Cross Sections Investigation: Painted Plasters from the Sphinx Room (Domus Aurea, Rome). Minerals (Basel, Switzerland), 2021, 11, 4. | 0.8 | 4 |
| 87 | In situ and microâ€Raman spectroscopy for the identification of natural Sicilian zeolites. Journal of Raman Spectroscopy, 2022, 53, 525-539. | 1.2 | 4 |
| 88 | A GIS-based image processing approach to investigate the hydraulic behavior of mortars induced by volcanic aggregates. Construction and Building Materials, 2022, 342, 128063. | 3.2 | 4 |
| 89 | Intracontinental tectonic melange in Southern Apennines. Terra Nova, 2007, 19, 287-293. | 0.9 | 3 |
| 90 | Combined XRFâ€SEM analysis of varnished pottery: the case of Syracuse and Adrano (Sicily) archaelogical finds. X-Ray Spectrometry, 2013, 42, 38-44. | 0.9 | 3 |

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| 91 | Petro-archaeometric characterization of potteries from a kiln in Adrano, Sicily. Heritage Science, 2015, 3, . | 1.0 | 3 |
| 92 | Automatic Extraction of Petrographic Features from Pottery of Archaeological Interest. Journal on Computing and Cultural Heritage, 2015, 8, 1-13. | 1.2 | 3 |
| 93 | Neighbourly ties: Characterizing local and Sicilian pottery in post-medieval Malta. Journal of Archaeological Science: Reports, 2018, 19, 575-587. | 0.2 | 3 |
| 94 | Synchrotron X-ray Microprobes: An Application on Ancient Ceramics. Applied Sciences (Switzerland), 2021, 11, 8052. | 1.3 | 3 |
| 95 | Diffuse Reflectance Infrared Fourier Transform Spectroscopy (DRIFTS) as a potential on site tool to test geopolymerization reaction. Talanta, 2022, 250, 123721. | 2.9 | 3 |
| 96 | Xâ€ray photoelectron spectroscopy of Mt. Etna volcanic ashes. Surface and Interface Analysis, 2014, 46, 847-850. | 0.8 | 2 |
| 97 | Measuring Weathering and Nanoparticle Coating Impact on Surface Roughness of Natural Stones. Studies in Conservation, 2019, 64, 298-309. | 0.6 | 2 |
| 98 | Ceramic technology and paintings of archaic architectural slabs, louteria and antefixes from the Palatine Hill in Rome (Italy). Archaeometry, 2022, 64, 118-133. | 0.6 | 1 |
| 99 | Reply to the Letter to the Editor by Carol Stewart, David E Damby, Ines TomaÅ¡ek and Claire J Horwell â€œExperimental design and data relevance in a volcanic ash-leachate health study re. Barone et al. (2021) â€˜Surface reactivity of Etna volcanic ash and evaluation of health risksâ€™ (STOTEN-143248)â€. Science of the Total Environment, 2022, 806, 150077. | 3.9 | 0 |
| 100 | Visualization and quantification of weathering effects on capillary water uptake of natural building stones by using neutron imaging. , 2017, , 151-159. | | 0 |