

Domenico Majolino

List of Publications by Year in descending order

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90
papers

2,181
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docs citations

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times ranked

2574
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Multi-Technique Diagnostic Investigation in View of the Restoration of "The Glory of St. Barbara" Painting by Mattia Preti. Applied Sciences (Switzerland), 2022, 12, 1385. | 1.3 | 1 |
| 2 | Multi-Technique Diagnostic Analysis of Plasters and Mortars from the Church of the Annunciation (Tortorici, Sicily). Materials, 2022, 15, 958. | 1.3 | 6 |
| 3 | A New Methodological Approach for the Assessment of the ²³⁸ U Content in Drinking Water. Applied Sciences (Switzerland), 2022, 12, 3380. | 1.3 | 3 |
| 4 | A New Radiological Risk Containment Procedure in Potentially Contaminated Areas. Applied Sciences (Switzerland), 2022, 12, 32. | 1.3 | 1 |
| 5 | Chitosan-Hyaluronan Nanoparticles for Vinblastine Sulfate Delivery: Characterization and Internalization Studies on K-562 Cells. Pharmaceutics, 2022, 14, 942. | 2.0 | 11 |
| 6 | Natural and Anthropogenic Radioactivity Content and Radiation Hazard Assessment of Baby Food Consumption in Italy. Applied Sciences (Switzerland), 2022, 12, 5244. | 1.3 | 2 |
| 7 | Rutin-Loaded Solid Lipid Nanoparticles: Characterization and In Vitro Evaluation. Molecules, 2021, 26, 1039. | 1.7 | 21 |
| 8 | 2D Correlation Spectroscopy (2DCoS) Analysis of Temperature-Dependent FTIR-ATR Spectra in Branched Polyethyleneimine/TEMPO-Oxidized Cellulose Nano-Fiber Xerogels. Polymers, 2021, 13, 528. | 2.0 | 23 |
| 9 | A combined 3D surveying, XRF and Raman in situ investigation on The Conversion of St Paul painting (Mdina, Malta) by Mattia Preti. Acta IMEKO (2012), 2021, 10, 173. | 0.4 | 4 |
| 10 | Evaluation of the Radiological and Chemical Risk for Public Health from Flour Sample Investigation. Applied Sciences (Switzerland), 2021, 11, 3646. | 1.3 | 13 |
| 11 | Temperature-Dependent Dynamical Evolution in Coum/SBE- β -CD Inclusion Complexes Revealed by Two-Dimensional FTIR Correlation Spectroscopy (2D-COS). Molecules, 2021, 26, 3749. | 1.7 | 8 |
| 12 | New insights into the structure and function of the prokaryotic communities colonizing plastic debris collected in King George Island (Antarctica): Preliminary observations from two plastic fragments. Journal of Hazardous Materials, 2021, 414, 125586. | 6.5 | 23 |
| 13 | Multitechnique diagnostic analysis and 3D surveying prior to the restoration of St. Michael defeating Evil painting by Mattia Preti. Environmental Science and Pollution Research, 2021, , 1. | 2.7 | 5 |
| 14 | Radioactivity, Metals Pollution and Mineralogy Assessment of a Beach Stretch from the Ionian Coast of Calabria (Southern Italy). International Journal of Environmental Research and Public Health, 2021, 18, 12147. | 1.2 | 10 |
| 15 | In situ diagnostic analysis of the XVIII century Madonna della Lettera panel painting (Messina, Italy). Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2020, 228, 117822. | 2.0 | 14 |
| 16 | Pore Structure and Water Transfer in Pietra d'Aspra Limestone: A Neutronographic Study. Applied Sciences (Switzerland), 2020, 10, 6745. | 1.3 | 7 |
| 17 | FTIR-ATR analysis of the H-bond network of water in branched polyethyleneimine/TEMPO-oxidized cellulose nano-fiber xerogels. Cellulose, 2020, 27, 8605-8618. | 2.4 | 21 |
| 18 | Raman Spectroscopy as Noninvasive Method of Diagnosis of Pediatric Onset Inflammatory Bowel Disease. Applied Sciences (Switzerland), 2020, 10, 6974. | 1.3 | 15 |

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| 19 | Investigation of glazed pottery fragments (XIX century A. D.) from Agsu site (Azerbaijan) by XRF and Raman techniques. EPJ Web of Conferences, 2020, 230, 00012. | 0.1 | 2 |
| 20 | Evaluating the protecting effects of two consolidants applied on Pietra di Lecce limestone: A neutronographic study. Journal of Cultural Heritage, 2020, 46, 31-41. | 1.5 | 7 |
| 21 | New insights to assess the consolidation of stone materials used in built heritage: the case study of ancient graffiti (Tituli Picti) in the archaeological site of Pompeii. Heritage Science, 2020, 8, . | 1.0 | 5 |
| 22 | RBS, PIXE, Ion-Microbeam and SR-FTIR Analyses of Pottery Fragments from Azerbaijan. Heritage, 2019, 2, 1852-1873. | 0.9 | 10 |
| 23 | Cross-linked cellulose nano-sponges: a small angle neutron scattering (SANS) study. Cellulose, 2019, 26, 9005-9019. | 2.4 | 26 |
| 24 | Physicochemical Characterization and Antioxidant Activity Evaluation of Idebenone/Hydroxypropyl- β -Cyclodextrin Inclusion Complex. Biomolecules, 2019, 9, 531. | 1.8 | 51 |
| 25 | Archaeometric Characterisation of Decorated Pottery from the Archaeological Site of Villa dei Quintili (Rome, Italy): Preliminary Study. Geosciences (Switzerland), 2019, 9, 172. | 1.0 | 17 |
| 26 | Analysis of the thermal fluctuations in inclusion complexes of genistein with β -cyclodextrin derivatives. Chemical Physics, 2019, 516, 125-131. | 0.9 | 5 |
| 27 | Do plastics serve as a possible vector for the spread of antibiotic resistance? First insights from bacteria associated to a polystyrene piece from King George Island (Antarctica). International Journal of Hygiene and Environmental Health, 2019, 222, 89-100. | 2.1 | 135 |
| 28 | TiO ₂ @SiO ₂ @PDMS nanocomposite coating with self-cleaning effect for stone material: Finding the optimal amount of TiO ₂ . Construction and Building Materials, 2018, 166, 464-471. | 3.2 | 54 |
| 29 | Tituli Picti in the archaeological site of Pompeii: diagnostic analysis and conservation strategies. European Physical Journal Plus, 2018, 133, 1. | 1.2 | 4 |
| 30 | A combined SR-based Raman and InfraRed investigation of pigmenting matter used in wall paintings: The San Gennaro and San Gaudioso Catacombs (Naples, Italy) case. European Physical Journal Plus, 2018, 133, 1. | 1.2 | 11 |
| 31 | Mobile Spectroscopy in Archaeometry: Some Case Study. Journal of Spectroscopy, 2018, 2018, 1-11. | 0.6 | 12 |
| 32 | Multi-analytical study of Roman frescoes from Villa dei Quintili (Rome, Italy). Journal of Archaeological Science: Reports, 2018, 21, 422-432. | 0.2 | 11 |
| 33 | Physicochemical properties of inclusion complexes of highly soluble β -cyclodextrins with highly hydrophobic testosterone propionate. International Journal of Pharmaceutics, 2017, 534, 316-324. | 2.6 | 11 |
| 34 | Host-guest interactions in Captisol®/Coumestrol inclusion complex: UV-vis, FTIR-ATR and Raman studies. Journal of Molecular Structure, 2017, 1146, 512-521. | 1.8 | 19 |
| 35 | Tuning structural parameters for the optimization of drug delivery performance of cyclodextrin-based nanosponges. Expert Opinion on Drug Delivery, 2017, 14, 331-340. | 2.4 | 46 |
| 36 | Solute-Solvent Interactions in Aqueous Solutions of Sulfobutyl Ether- β -cyclodextrin As Probed by UV-Raman and FTIR-ATR Analysis. Journal of Physical Chemistry B, 2016, 120, 3746-3753. | 1.2 | 6 |

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|----|--|-----|-----------|
| 37 | SANS investigation of the salt-crystallization- and surface-treatment-induced degradation on limestones of historic artistic interest. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1. | 1.1 | 6 |
| 38 | Thermal fluctuations in chemically cross-linked polymers of cyclodextrins. <i>Soft Matter</i> , 2015, 11, 2183-2192. | 1.2 | 17 |
| 39 | Multi-technique investigation of Roman decorated plasters from Villa dei Quintili (Rome, Italy). <i>Applied Surface Science</i> , 2015, 349, 924-930. | 3.1 | 36 |
| 40 | Toward an understanding of the thermosensitive behaviour of pH-responsive hydrogels based on cyclodextrins. <i>Soft Matter</i> , 2015, 11, 5862-5871. | 1.2 | 18 |
| 41 | A portable versus micro-Raman equipment comparison for gemmological purposes: the case of sapphires and their imitations. <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1309-1317. | 1.2 | 27 |
| 42 | A multi-technique approach for the determination of the porous structure of building stone. <i>European Journal of Mineralogy</i> , 2014, 26, 189-198. | 0.4 | 23 |
| 43 | A multi-technique approach for the characterization of decorative stones and non-destructive method for the discrimination of similar rocks. <i>X-Ray Spectrometry</i> , 2014, 43, 83-92. | 0.9 | 6 |
| 44 | A characterization study of resveratrol/sulfobutyl ether- β -cyclodextrin inclusion complex and in vitro anticancer activity. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 115, 22-28. | 2.5 | 107 |
| 45 | Handheld and non-destructive methodologies for the compositional investigation of meteorite fragments. <i>Analytical Methods</i> , 2014, 6, 6301-6309. | 1.3 | 7 |
| 46 | Direct evidence of gel sol transition in cyclodextrin-based hydrogels as revealed by FTIR-ATR spectroscopy. <i>Soft Matter</i> , 2014, 10, 2320-2326. | 1.2 | 29 |
| 47 | Vibrational Density of States and Elastic Properties of Cross-Linked Polymers: Combining Inelastic Light and Neutron Scattering. <i>Journal of Physical Chemistry B</i> , 2014, 118, 624-633. | 1.2 | 27 |
| 48 | Synthesis and characterization of a hyper-branched water-soluble β -cyclodextrin polymer. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 2586-2593. | 1.3 | 28 |
| 49 | Modelling the interplay between covalent and physical interactions in cyclodextrin-based hydrogel: effect of water confinement. <i>Soft Matter</i> , 2013, 9, 6457. | 1.2 | 39 |
| 50 | Influence of Chirality on Vibrational and Relaxational Properties of (<i>S</i>)- and (<i>R</i>)-ibuprofen/methyl- β -cyclodextrin Inclusion Complexes: An INS and QENS Study. <i>Journal of Physical Chemistry B</i> , 2013, 117, 11466-11472. | 1.2 | 5 |
| 51 | Small angle neutron scattering study of ancient pottery from Syracuse (Sicily, Southern Italy). <i>Journal of Archaeological Science</i> , 2013, 40, 983-991. | 1.2 | 6 |
| 52 | Combined XRF-SEM analysis of varnished pottery: the case of Syracuse and Adrano (Sicily) archaeological finds. <i>X-Ray Spectrometry</i> , 2013, 42, 38-44. | 0.9 | 3 |
| 53 | Vibrational spectroscopy investigation of swelling phenomena in cyclodextrin nanosponges. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1463-1469. | 1.2 | 28 |
| 54 | Cyclodextrin-Complexation Effects on the Low-Frequency Vibrational Dynamics of Ibuprofen by Combined Inelastic Light and Neutron Scattering Experiments. <i>Journal of Physical Chemistry B</i> , 2013, 117, 3917-3926. | 1.2 | 6 |

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| 55 | Nondestructive analyses of carbonate rocks: applications and potentiality for museum materials. <i>X-Ray Spectrometry</i> , 2013, 42, 8-15. | 0.9 | 13 |
| 56 | Connection between the vibrational dynamics and the cross-linking properties in cyclodextrins-based polymers. <i>Journal of Raman Spectroscopy</i> , 2013, 44, 1457-1462. | 1.2 | 36 |
| 57 | Iron speciation in ancient Attic pottery pigments: a non-destructive SR-XAS investigation. <i>Journal of Synchrotron Radiation</i> , 2012, 19, 782-788. | 1.0 | 19 |
| 58 | Effect of Cross-Linking Properties on the Vibrational Dynamics of Cyclodextrins-Based Polymers: An Experimental-Numerical Study. <i>Journal of Physical Chemistry B</i> , 2012, 116, 7952-7958. | 1.2 | 50 |
| 59 | Inside New Materials: An Experimental Numerical Approach for the Structural Elucidation of Nanoporous Cross-Linked Polymers. <i>Journal of Physical Chemistry B</i> , 2012, 116, 13133-13140. | 1.2 | 33 |
| 60 | Study of Late Roman and Byzantine glass by the combined use of analytical techniques. <i>Journal of Non-Crystalline Solids</i> , 2012, 358, 1554-1561. | 1.5 | 14 |
| 61 | Spectroscopic analyses of Hellenistic painted plasters from 2nd century B.C., Sicily (South Italy). <i>Journal of Cultural Heritage</i> , 2012, 13, 229-233. | 1.5 | 8 |
| 62 | Comparison between TOF-ND and XRD quantitative phase analysis of ancient potteries. <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 1060. | 1.6 | 10 |
| 63 | Multi-technique characterization of ancient findings from Gela (Sicily, Italy). <i>Journal of Analytical Atomic Spectrometry</i> , 2011, 26, 977. | 1.6 | 11 |
| 64 | Combined non-destructive XRF and SR-XAS study of archaeological artefacts. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 399, 3147-3153. | 1.9 | 32 |
| 65 | A Phase Solubility Study on the Chiral Discrimination of Ibuprofen by β -Cyclodextrin Complexes. <i>Food Biophysics</i> , 2011, 6, 267-273. | 1.4 | 12 |
| 66 | The effect of hydrogen bond on the vibrational dynamics of genistein free and complexed with β -cyclodextrins. <i>Journal of Raman Spectroscopy</i> , 2010, 41, 764-770. | 1.2 | 24 |
| 67 | Temperature Effect on the Vibrational Dynamics of Cyclodextrin Inclusion Complexes: Investigation by FTIR-ATR Spectroscopy and Numerical Simulation. <i>Journal of Physical Chemistry A</i> , 2010, 114, 6811-6817. | 1.1 | 34 |
| 68 | Influence of the "Host-Guest" Interactions on the Mobility of Genistein/ β -Cyclodextrin Inclusion Complex. <i>Journal of Physical Chemistry B</i> , 2009, 113, 11032-11038. | 1.2 | 10 |
| 69 | A new insight on the hydrogen bonding structures of nanoconfined water: a Raman study. <i>Journal of Raman Spectroscopy</i> , 2008, 39, 244-249. | 1.2 | 59 |
| 70 | Improvement of water solubility of non-competitive AMPA receptor antagonists by complexation with β -cyclodextrin. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8706-8712. | 1.4 | 14 |
| 71 | Water Diffusion in Nanoporous Glass: An NMR Study at Different Hydration Levels. <i>Journal of Physical Chemistry B</i> , 2008, 112, 3927-3930. | 1.2 | 25 |
| 72 | Evidence of the existence of the low-density liquid phase in supercooled, confined water. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 424-428. | 3.3 | 273 |

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|----|---|-----|-----------|
| 73 | Neutrons as a probe of large volume specimens: the case of archaeological pottery findings. <i>Journal of Archaeological Science</i> , 2007, 34, 1148-1152. | 1.2 | 6 |
| 74 | Role of the solvent in the dynamical transitions of proteins: The case of the lysozyme-water system. <i>Journal of Chemical Physics</i> , 2007, 127, 045104. | 1.2 | 96 |
| 75 | Ground penetrating radar (G.P.R.) surveys applied to the research of crypts in San Sebastiano's church in Catania (Sicily). <i>Journal of Cultural Heritage</i> , 2007, 8, 73-76. | 1.5 | 26 |
| 76 | Inelastic Neutron Scattering Study of Water in Hydrated LTA-Type Zeolites. <i>Journal of Physical Chemistry A</i> , 2006, 110, 1190-1195. | 1.1 | 25 |
| 77 | T dependence of vibrational dynamics of water in ion-exchanged zeolites A: A detailed Fourier transform infrared attenuated total reflection study. <i>Journal of Chemical Physics</i> , 2005, 123, 154702. | 1.2 | 53 |
| 78 | Characterization of pottery fragments by nondestructive neutron diffraction. <i>Journal of Applied Physics</i> , 2005, 98, 103520. | 1.1 | 9 |
| 79 | A detailed spectroscopic study of an Italian fresco. <i>Journal of Applied Physics</i> , 2005, 97, 044907. | 1.1 | 12 |
| 80 | Neutron diffraction study of the structure of water confined in a sol-gel silica glass. <i>Physica B: Condensed Matter</i> , 2004, 350, E599-E601. | 1.3 | 7 |
| 81 | Neutron Scattering Study and Dynamic Properties of Hydrogen-Bonded Liquids in Mesoscopic Confinement. 2. The Zeolitic Water Case. <i>Journal of Physical Chemistry B</i> , 2004, 108, 4314-4323. | 1.2 | 43 |
| 82 | Aggregation Phenomena in Aqueous Solutions of Uncharged Star Polymers with a Porphyrin Core. <i>Journal of Physical Chemistry B</i> , 2003, 107, 5095-5100. | 1.2 | 35 |
| 83 | Dynamical response of liquid water in confined geometry by laser and neutron spectroscopies Presented at the LANMAT 2001 Conference on the Interaction of Laser Radiation with matter at Nanoscopic Scales: From Single Molecule Spectroscopy to Materials Processing, Venice, 3-6 October, 2001.. <i>Physical Chemistry Chemical Physics</i> , 2002, 4, 2768-2773. | 1.3 | 45 |
| 84 | A multidisciplinary investigation on archaeological excavation in Messina (Sicily). Part I: a comparison of pottery findings in the Strait of Messina area. <i>Journal of Cultural Heritage</i> , 2002, 3, 145-153. | 1.5 | 13 |
| 85 | A multidisciplinary investigation on archaeological excavation in Messina (Sicily). Part II. A study of the transport amphorae. <i>Journal of Cultural Heritage</i> , 2002, 3, 171-176. | 1.5 | 8 |
| 86 | Confocal Raman spectroscopic study of painted medieval manuscripts. <i>Journal of Cultural Heritage</i> , 2001, 2, 191-198. | 1.5 | 21 |
| 87 | Diffusive Relaxations and Vibrational Properties of Water and H-bonded Systems in Confined State by Neutrons and Light Scattering: A State of the Art. <i>Journal of Physical Chemistry A</i> , 2000, 104, 11000-11012. | 1.1 | 55 |
| 88 | Dynamics of H-Bonded Systems in Nanosized Pores. <i>Progress of Theoretical Physics Supplement</i> , 1997, 126, 367-372. | 0.2 | 1 |
| 89 | Ion-Ion and Ion-Solvent Interaction Effects in the Acoustic Response of Aqueous Polymeric Solutions. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 212, 183-188. | 0.3 | 5 |
| 90 | Dynamic Light Scattering Studies on Lecithin Polymer-Like Gels. <i>Molecular Crystals and Liquid Crystals</i> , 1992, 212, 255-262. | 0.3 | 5 |