Ioanna Kakoulli

List of Publications by Year
in descending order

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25 papers	594 citations	840776 11 h-index	642732 23 g-index
25 all docs	25 docs citations	25 times ranked	726 citing authors

#	Article	IF	Citations
1	Identification and mapping of ancient pigments in a Roman Egyptian funerary portrait by application of reflectance and luminescence imaging spectroscopy. Heritage Science, 2022, 10, .	2.3	10
2	Acquisition of High Spectral Resolution Diffuse Reflectance Image Cubes (350â€“2500 nm) from Archaeological Wall Paintings and Other Immovable Heritage Using a Field-Deployable Spatial Scanning Reflectance Spectrometry Hyperspectral System. Sensors, 2022, 22, 1915.	3.8	3
3	Chemical Characterization and Molecular Dynamics Simulations of Bufotenine by Surface-Enhanced Raman Scattering (SERS) and Density Functional Theory (DFT). Journal of Physical Chemistry Letters, 2022, 13, 5831-5837.	4.6	12
4	Archaeometric data from the Via dei Sepolcri ceramic workshop in Pompeii (Southern Italy). Data in Brief, 2021, 34, 106706.	1.0	2
5	Carminic Acid Based Red Dye from Scale Insects Detected in Red Rubyâ€Crowned Kinglet Feathers by Surfaceâ€Enhanced Raman Scattering. ChemPlusChem, 2021, 86, 1074-1079.	2.8	1
6	A 3D modeling workflow to map ultraviolet- and visible-induced luminescent materials on ancient polychrome artifacts. Digital Applications in Archaeology and Cultural Heritage, 2021, 23, e00205.	1.3	0
7	Phase relations in the calcium carbonate/ammonium phosphate system under aqueous conditions and 25Â°C. Journal of the American Ceramic Society, 2020, 103, 3837-3850.	3.8	4
8	Investigation of the Optical, Physical, and Chemical Interactions between Diammonium Hydrogen Phosphate (DAP) and Pigments. Sustainability, 2019, 11, 3803.	3.2	7
9	New Insight into Hellenistic and Roman Cypriot Wall Paintings: An Exploration of Artistsâ€™ Materials, Production Technology, and Technical Style. Arts, 2019, 8, 74.	0.3	11
10	Chemical analyses and production technology of archaeological glass from Athienou-Malloura, Cyprus. Journal of Archaeological Science: Reports, 2019, 23, 700-713.	0.5	1
11	Multi-analytical and non-invasive characterization of the polychromy of wall paintings at the Domus of Octavius Quartio in Pompeii. European Physical Journal Plus, 2018, 133, 1.	2.6	40
12	Evaluation of hydroxyapatite effects for the consolidation of a Hellenistic-Roman rock-cut chamber tomb at Athienou-Malloura in Cyprus. Construction and Building Materials, 2017, 150, 333-344.	7.2	33
13	Macroscale multimodal imaging reveals ancient painting production technology and the vogue in Greco-Roman Egypt. Scientific Reports, 2017, 7, 15509.	3.3	50
14	Application of forensic photography for the detection and mapping of Egyptian blue and madder lake in Hellenistic polychrome terracottas based on their photophysical properties. Dyes and Pigments, 2017, 136, 104-115.	3.7	34
15	Advancements in Interfaced SEM and Raman Spectromicroscopy (Î¼RS). Microscopy and Microanalysis, 2016, 22, 244-245.	0.4	1
16	Biomimetic hydroxyapatite as a new consolidating agent for archaeological bone. Studies in Conservation, 2016, 61, 146-161.	1.1	21
17	Beyond Vitruvius: New Insight in the Technology of Egyptian Blue and Green Frits. Journal of the American Ceramic Society, 2016, 99, 3467-3475.	3.8	39
18	New advancements in SERS dye detection using interfaced SEM and Raman spectromicroscopy (Î¼RS). Journal of Raman Spectroscopy, 2015, 46, 632-635.	2.5	21

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19	Cinnabar alteration in archaeological wall paintings: an experimental and theoretical approach. Applied Physics A: Materials Science and Processing, 2015, 121, 915-938.	2.3	33
20	Interfaced SEM and micro-Raman Spectroscopy for SERS Analysis of Dyes on Single Fibers. Microscopy and Microanalysis, 2014, 20, 2008-2009.	0.4	0
21	Distribution and Chemical Speciation of Arsenic in Ancient Human Hair Using Synchrotron Radiation. Analytical Chemistry, 2014, 86, 521-526.	6.5	34
22	Analysis of Samples Excavated from a Royal Tomb in El Zotz: Application of Materials Science Characterization Techniques in Archaeology. ACS Symposium Series, 2013, , 397-418.	0.5	2
23	PAINTED ROCK-CUT TOMBS IN CYPRUS FROM THE HELLENISTIC AND ROMAN PERIODS TO BYZANTIUM: MATERIAL PROPERTIES, DEGRADATION PROCESSES AND SUSTAINABLE PRESERVATION STRATEGIES. Studies in Conservation, 2010, 55, 96-102.	1.1	7
24	Multispectral and hyperspectral imaging technologies in conservation: current research and potential applications. Studies in Conservation, 2006, 51, 3-16.	1.1	203
25	Late Classical and Hellenistic painting techniques and materials: a review of the technical literature. Studies in Conservation, 2002, 47, 56-67.	1.1	25