

Ioanna Kakoulli

List of Publications by Year in descending order

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Version: 2024-02-01

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	Multispectral and hyperspectral imaging technologies in conservation: current research and potential applications. <i>Studies in Conservation</i> , 2006, 51, 3-16.	1.1	203
2	Macroscale multimodal imaging reveals ancient painting production technology and the vogue in Greco-Roman Egypt. <i>Scientific Reports</i> , 2017, 7, 15509.	3.3	50
3	Multi-analytical and non-invasive characterization of the polychromy of wall paintings at the Domus of Octavius Quartio in Pompeii. <i>European Physical Journal Plus</i> , 2018, 133, 1.	2.6	40
4	Beyond Vitruvius: New Insight in the Technology of Egyptian Blue and Green Frits. <i>Journal of the American Ceramic Society</i> , 2016, 99, 3467-3475.	3.8	39
5	Distribution and Chemical Speciation of Arsenic in Ancient Human Hair Using Synchrotron Radiation. <i>Analytical Chemistry</i> , 2014, 86, 521-526.	6.5	34
6	Application of forensic photography for the detection and mapping of Egyptian blue and madder lake in Hellenistic polychrome terracottas based on their photophysical properties. <i>Dyes and Pigments</i> , 2017, 136, 104-115.	3.7	34
7	Cinnabar alteration in archaeological wall paintings: an experimental and theoretical approach. <i>Applied Physics A: Materials Science and Processing</i> , 2015, 121, 915-938.	2.3	33
8	Evaluation of hydroxyapatite effects for the consolidation of a Hellenistic-Roman rock-cut chamber tomb at Athienou-Malloura in Cyprus. <i>Construction and Building Materials</i> , 2017, 150, 333-344.	7.2	33
9	Late Classical and Hellenistic painting techniques and materials: a review of the technical literature. <i>Studies in Conservation</i> , 2002, 47, 56-67.	1.1	25
10	New advancements in SERS dye detection using interfaced SEM and Raman spectromicroscopy (SERS). <i>Journal of Raman Spectroscopy</i> , 2015, 46, 632-635.	2.5	21
11	Biomimetic hydroxyapatite as a new consolidating agent for archaeological bone. <i>Studies in Conservation</i> , 2016, 61, 146-161.	1.1	21
12	Chemical Characterization and Molecular Dynamics Simulations of Bufotenine by Surface-Enhanced Raman Scattering (SERS) and Density Functional Theory (DFT). <i>Journal of Physical Chemistry Letters</i> , 2022, 13, 5831-5837.	4.6	12
13	New Insight into Hellenistic and Roman Cypriot Wall Paintings: An Exploration of Artists' Materials, Production Technology, and Technical Style. <i>Arts</i> , 2019, 8, 74.	0.3	11
14	Identification and mapping of ancient pigments in a Roman Egyptian funerary portrait by application of reflectance and luminescence imaging spectroscopy. <i>Heritage Science</i> , 2022, 10, .	2.3	10
15	PAINTED ROCK-CUT TOMBS IN CYPRUS FROM THE HELLENISTIC AND ROMAN PERIODS TO BYZANTIUM: MATERIAL PROPERTIES, DEGRADATION PROCESSES AND SUSTAINABLE PRESERVATION STRATEGIES. <i>Studies in Conservation</i> , 2010, 55, 96-102.	1.1	7
16	Investigation of the Optical, Physical, and Chemical Interactions between Diammonium Hydrogen Phosphate (DAP) and Pigments. <i>Sustainability</i> , 2019, 11, 3803.	3.2	7
17	Phase relations in the calcium carbonate/ammonium phosphate system under aqueous conditions and 25°C. <i>Journal of the American Ceramic Society</i> , 2020, 103, 3837-3850.	3.8	4
18	Acquisition of High Spectral Resolution Diffuse Reflectance Image Cubes (350-2500 nm) from Archaeological Wall Paintings and Other Immovable Heritage Using a Field-Deployable Spatial Scanning Reflectance Spectrometry Hyperspectral System. <i>Sensors</i> , 2022, 22, 1915.	3.8	3

#	ARTICLE	IF	CITATIONS
19	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
20	Archaeometric data from the Via dei Sepolcri ceramic workshop in Pompeii (Southern Italy). Data in Brief, 2021, 34, 106706.	1.0	2
21	Advancements in Interfaced SEM and Raman Spectromicroscopy (iRS). Microscopy and Microanalysis, 2016, 22, 244-245.	0.4	1
22	Chemical analyses and production technology of archaeological glass from Athienou-Malloura, Cyprus. Journal of Archaeological Science: Reports, 2019, 23, 700-713.	0.5	1
23	Carminic Acid Based Red Dye from Scale Insects Detected in Red Ruby-Crowned Kinglet Feathers by Surface-Enhanced Raman Scattering. ChemPlusChem, 2021, 86, 1074-1079.	2.8	1
24	Interfaced SEM and micro-Raman Spectroscopy for SERS Analysis of Dyes on Single Fibers. Microscopy and Microanalysis, 2014, 20, 2008-2009.	0.4	0
25	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