Federica Pozzi

List of Publications by Year
in descending order

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39 papers	1,042 citations	430874 18 h-index	414414 32 g-index
43 all docs	43 docs citations	43 times ranked	899 citing authors

#	Article	IF	Citations
1	Surfaceâ€enhanced Raman spectroscopy in art and archaeology. Journal of Raman Spectroscopy, 2016, 47, 67-77.	2.5	112
2	Sample Treatment Considerations in the Analysis of Organic Colorants by Surface-Enhanced Raman Scattering. Analytical Chemistry, 2012, 84, 3751-3757.	6.5	106
3	Historical organic dyes: a surfaceâ€enhanced Raman scattering (SERS) spectral database on Ag Leeâ€“Meisel colloids aggregated by NaClO₄. Journal of Raman Spectroscopy, 2011, 42, 1267-1281.	2.5	98
4	Methodological evolutions of Raman spectroscopy in art and archaeology. Analytical Methods, 2016, 8, 8395-8409.	2.7	70
5	TLCâ€SERS study of Syrian rue (Peganum harmala) and its main alkaloid constituents. Journal of Raman Spectroscopy, 2013, 44, 102-107.	2.5	68
6	A systematic analysis of red lake pigments in French Impressionist and Postâ€Impressionist paintings by surfaceâ€enhanced Raman spectroscopy (SERS). Journal of Raman Spectroscopy, 2014, 45, 1119-1126.	2.5	67
7	Combining SERS and microspectrofluorimetry with historically accurate reconstructions for the characterization of lac dye paints in medieval manuscript illuminations. Journal of Raman Spectroscopy, 2014, 45, 1172-1179.	2.5	52
8	Surfaceâ€enhanced Raman spectroscopy (SERS) on silver colloids for the identification of ancient textile dyes. Part II: pomegranate and sumac. Journal of Raman Spectroscopy, 2011, 42, 465-473.	2.5	41
9	SERS Discrimination of Closely Related Molecules: A Systematic Study of Natural Red Dyes in Binary Mixtures. Journal of Physical Chemistry C, 2016, 120, 21017-21026.	3.1	41
10	Statistical methods and library search approaches for fast and reliable identification of dyes using surface-enhanced Raman spectroscopy (SERS). Analytical Methods, 2013, 5, 4205.	2.7	38
11	Multi-technique characterization of dyes in ancient Kaitag textiles from Caucasus. Archaeological and Anthropological Sciences, 2012, 4, 185-197.	1.8	36
12	Winsor & Newton original handbooks: a surface-enhanced Raman scattering (SERS) and Raman spectral database of dyes from modern watercolor pigments. Heritage Science, 2013, 1, 23.	2.3	36
13	Surfaceâ€enhanced Raman spectroscopy (SERS) on silver colloids for the identification of ancient textile dyes: Tyrian purple and madder. Journal of Raman Spectroscopy, 2010, 41, 175-180.	2.5	34
14	Recent Advances on the Analysis of Polychrome Works of Art: SERS of Synthetic Colorants and Their Mixtures With Natural Dyes. Frontiers in Chemistry, 2019, 7, 105.	3.6	31
15	Identification of Natural Dyes on Laboratory-Dyed Wool and Ancient Wool, Silk, and Cotton Fibers Using Attenuated Total Reflection (ATR) Fourier Transform Infrared (FT-IR) Spectroscopy and Fourier Transform Raman Spectroscopy. Applied Spectroscopy, 2011, 65, 1017-1023.	2.2	26
16	Evaluation and optimization of the potential of a handheld Raman spectrometer: in situ, noninvasive materials characterization in artworks. Journal of Raman Spectroscopy, 2019, 50, 861-872.	2.5	25
17	Surfaceâ€enhanced Raman spectroscopy of various madder species on wool fibers: the role of pseudopurpurin in the interpretation of the spectra. Journal of Raman Spectroscopy, 2015, 46, 1073-1081.	2.5	19
18	Raman, SERS, and DFT Analysis of the Main Alkaloids Contained in Syrian Rue. Journal of Physical Chemistry C, 2019, 123, 9262-9271.	3.1	19

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19	Mixing, dipping, and fixing: the experimental drawing techniques of Thomas Gainsborough. Heritage Science, 2020, 8, .	2.3	13
20	Singular thermochromic effects in dyeings with indigo, 6-bromoindigo, andÂ6,6â€²-dibromoindigo. Dyes and Pigments, 2013, 96, 581-589.	3.7	12
21	The nature of thermochromic effects in dyeings with indigo, 6-bromoindigo, and 6,6â€²-dibromoindigo, components of Tyrian purple. Dyes and Pigments, 2015, 117, 37-48.	3.7	12
22	The Samuel F. B. Morse statue in Central Park: scientific study and laser cleaning of a 19th-century American outdoor bronze monument. Heritage Science, 2020, 8, .	2.3	12
23	Raman spectrum of monobromoindigo. Journal of Raman Spectroscopy, 2012, 43, 520-525.	2.5	11
24	Surface-Enhanced Raman Spectroscopy: Using Nanoparticles to Detect Trace Amounts of Colorants in Works of Art. , 2016, , 161-204.		11
25	Altered identity: fleeting colors and obscured surfaces in Van Goghâ€™s Landscapes in Paris, Arles, and Saint-RÃ©my. Heritage Science, 2021, 9, .	2.3	10
26	How do you say â€œBocourâ€•in French? The work of Carmen Herrera and acrylic paints in post-war Europe. Journal of Cultural Heritage, 2019, 35, 209-217.	3.3	9
27	In search of Humboldtâ€™s colors: materials and techniques of a 17th-century lacquered gourd from Colombia. Heritage Science, 2020, 8, .	2.3	8
28	Conquering space with matter: a technical study of Alberto Burriâ€™s materials and techniques. Applied Physics A: Materials Science and Processing, 2016, 122, 1.	2.3	5
29	Alexander Calderâ€™s Half-Circle, Quarter-Circle, and Sphere (1932): a complex history of repainting unraveled. Heritage Science, 2020, 8, .	2.3	4
30	Unmasking a wild man: scientific analysis of Bertoldo di Giovanniâ€™s Shield Bearer in The Frick Collection. Heritage Science, 2020, 8, .	2.3	4
31	Aiding the cleaning of four 19th-century Tsimshian house posts: investigation of museum-applied surface coatings and original polychromy. Heritage Science, 2021, 9, .	2.3	2
32	Preliminary photographs and improved positives: discovering the New York Public Libraryâ€™s Arctic Exploration album. Heritage Science, 2021, 9, .	2.3	1
33	Color, collation, and curious creatures: a technical study of 15th-century block books at The Morgan Library & Museum. European Physical Journal Plus, 2021, 136, 1.	2.6	1
34	The Network Initiative for Conservation Science (NICS): a model of collaboration and resource sharing among neighbor museums. Heritage Science, 2021, 9, 92.	2.3	1
35	CHAPTER 18. The Cultural Meanings of Color: Raman Spectroscopic Studies of Red, Pink, and Purple Dyes in Late Edo and Early Meiji Period Prints. , 2018, , 271-288.		1
36	LÃ¡szlÃ³ Moholy-Nagyâ€™s Painting Materials: From Substance to Light. Leonardo, 2017, 50, 316-320.	0.3	0

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37	A pioneer of acrylic painting: new insights into Carmen Herreraâ€™s studio practice. Heritage Science, 2021, 9, 131.	2.3	0
38	Conquering space with matter: a technical study of Alberto Burriâ€™s materials and techniques. , 2017, , 215-229.		0
39	The Life of a Painting as Traced by Technical Analysis: Original Materials and Posthumous Alterations in Ã‰douard Manetâ€™s Woman in Striped Dress. Coatings, 2021, 11, 1334.	2.6	0