

# Francesca Casadio

## List of Publications by Year in descending order

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34  
papers

1,875  
citations

361413

20  
h-index

434195

31  
g-index

34  
all docs

34  
docs citations

34  
times ranked

1677  
citing authors

#	ARTICLE	IF	CITATIONS
1	Identification of Organic Colorants in Fibers, Paints, and Glazes by Surface Enhanced Raman Spectroscopy. <i>Accounts of Chemical Research</i> , 2010, 43, 782-791.	15.6	292
2	Ad-hoc Surface-Enhanced Raman Spectroscopy Methodologies for the Detection of Artist Dyestuffs: Thin Layer Chromatography-Surface Enhanced Raman Spectroscopy and in Situ On the Fiber Analysis. <i>Analytical Chemistry</i> , 2009, 81, 3056-3062.	6.5	156
3	An innovative surface-enhanced Raman spectroscopy (SERS) method for the identification of six historical red lakes and dyestuffs. <i>Journal of Raman Spectroscopy</i> , 2006, 37, 993-1002.	2.5	147
4	Surface-enhanced Raman spectroscopy of dyes: from single molecules to the artists' canvas. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 7350.	2.8	137
5	Surface-Enhanced Raman Spectroscopy: A Direct Method to Identify Colorants in Various Artist Media. <i>Analytical Chemistry</i> , 2009, 81, 7443-7447.	6.5	112
6	The analysis of polychrome works of art: 40 years of infrared spectroscopic investigations. <i>Journal of Cultural Heritage</i> , 2001, 2, 71-78.	3.3	110
7	Tip-Enhanced Raman Spectroscopy (TERS) for <i>in Situ</i> Identification of Indigo and Iron Gall Ink on Paper. <i>Journal of the American Chemical Society</i> , 2014, 136, 8677-8684.	13.7	81
8	Near-Infrared Surface-Enhanced Raman Spectroscopy (NIR-SERS) for the Identification of Eosin Y: Theoretical Calculations and Evaluation of Two Different Nanoplasmonic Substrates. <i>Journal of Physical Chemistry A</i> , 2012, 116, 11863-11869.	2.5	80
9	Raman Spectroscopy of cultural heritage Materials: Overview of Applications and New Frontiers in Instrumentation, Sampling Modalities, and Data Processing. <i>Topics in Current Chemistry</i> , 2016, 374, 62.	5.8	78
10	Revealing the invisible: using surface-enhanced Raman spectroscopy to identify minute remnants of color in Winslow Homer's colorless skies. <i>Journal of Raman Spectroscopy</i> , 2011, 42, 1305-1310.	2.5	75
11	Silver colloidal pastes for dye analysis of reference and historical textile fibers using direct, extractionless, non-hydrolysis surface-enhanced Raman spectroscopy. <i>Analyst</i> , 2013, 138, 5895.	3.5	71
12	Identification and Characterization of Artists' Red Dyes and Their Mixtures by Surface-Enhanced Raman Spectroscopy. <i>Applied Spectroscopy</i> , 2007, 61, 994-1000.	2.2	69
13	A systematic analysis of red lake pigments in French Impressionist and Post-Impressionist paintings by surface-enhanced Raman spectroscopy (SERS). <i>Journal of Raman Spectroscopy</i> , 2014, 45, 1119-1126.	2.5	67
14	Non-invasive identification of plastic materials in museum collections with portable FTIR reflectance spectroscopy: Reference database and practical applications. <i>Microchemical Journal</i> , 2016, 124, 868-877.	4.5	57
15	High-resolution fluorescence mapping of impurities in historical zinc oxide pigments: hard X-ray nanoprobe applications to the paints of Pablo Picasso. <i>Applied Physics A: Materials Science and Processing</i> , 2013, 111, 1-8.	2.3	52
16	Chemical Fingerprinting of Ready-Mixed House Paints of Relevance to Artistic Production in the First Half of the Twentieth Century. Part I: Inorganic and Organic Pigments. <i>Applied Spectroscopy</i> , 2009, 63, 597-603.	2.2	51
17	Noninvasive methods for the investigation of ancient Chinese jades: an integrated analytical approach. <i>Analytical and Bioanalytical Chemistry</i> , 2007, 387, 791-801.	3.7	39
18	Rejuvenating the color palette of Georges Seurat's 'A Sunday on La Grande Jatte' 1884: A simulation. <i>Color Research and Application</i> , 2006, 31, 278-293.	1.6	37

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19	Scientific Investigation of an Important Corpus of Picasso Paintings in Antibes: New Insights into Technique, Condition, and Chronological Sequence. <i>Journal of the American Institute for Conservation</i> , 2013, 52, 184-204.	0.5	25
20	AN ANCIENT CHINESE BRONZE FRAGMENT RE-EXAMINED AFTER 50 YEARS: CONTRIBUTIONS FROM MODERN AND TRADITIONAL TECHNIQUES. <i>Archaeometry</i> , 2010, 52, 1015-1043.	1.3	21
21	Synergistic use of Pyrolytic GCMS, DTMS, and ESI-MS for the characterization of the organic fraction of modern enamel paints. <i>Heritage Science</i> , 2015, 3, .	2.3	17
22	Quantitative characterization of alkyd cure kinetics with the quartz crystal microbalance. <i>Polymer</i> , 2016, 103, 387-396.	3.8	17
23	Matisse to Picasso: a compositional study of modern bronze sculptures. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 395, 171-184.	3.7	14
24	Effects of zinc oxide filler on the curing and mechanical response of alkyd coatings. <i>Polymer</i> , 2020, 191, 122222.	3.8	13
25	Quartz crystal rheometry: A quantitative technique for studying curing and aging in artists' paints. <i>Polymer Degradation and Stability</i> , 2014, 107, 348-355.	5.8	12
26	Surface-Enhanced Raman Spectroscopy: Using Nanoparticles to Detect Trace Amounts of Colorants in Works of Art. , 2016, , 161-204.		11
27	Non-invasive characterization of manufacturing techniques and corrosion of ancient Chinese bronzes and a later replica using synchrotron X-ray diffraction. <i>Applied Physics A: Materials Science and Processing</i> , 2010, 100, 635-646.	2.3	9
28	Gloss paints in late paintings by Francis Picabia: a multi-analytical study. <i>Applied Physics A: Materials Science and Processing</i> , 2016, 122, 1.	2.3	7
29	Casting Light on 20th-Century Parisian Artistic Bronze: Insights from Compositional Studies of Sculptures Using Hand-Held X-ray Fluorescence Spectroscopy. <i>Heritage</i> , 2019, 2, 732-748.	1.9	6
30	A novel visualization tool for art history and conservation: Automated colorization of black and white archival photographs of works of art. <i>Studies in Conservation</i> , 2014, 59, 125-135.	1.1	5
31	Paul Gauguin's Noa Noa prints: Multi-analytical characterization of the printmaking techniques and materials. <i>Microchemical Journal</i> , 2018, 138, 348-359.	4.5	4
32	Colorizing a Masterpiece [Applications Corner]. <i>IEEE Signal Processing Magazine</i> , 2011, 28, 113-119.	5.6	3
33	Moonlight or Midnight? Researching the Phases of Edward Steichen's Moonrise Prints. <i>Journal of the American Institute for Conservation</i> , 2020, 59, 111-122.	0.5	0
34	Sharing Power: Leadership Lessons from Interdisciplinary Practices in an Art Museum. <i>Curator</i> , 2021, 64, 505-527.	0.6	0