Catherine Higgitt

List of Publications by Year
in descending order

7 papers	64 citations	1937685 4 h-index	2053705 5 g-index
7 all docs	7 docs citations	7 times ranked	37 citing authors

#	Article	IF	Citations
1	Neural network-based classification of X-ray fluorescence spectra of artists' pigments: an approach leveraging a synthetic dataset created using the fundamental parameters method. Heritage Science, 2022, 10, .	2.3	13
2	Mixed X-Ray Image Separation for Artworks With Concealed Designs. IEEE Transactions on Image Processing, 2022, 31, 4458-4473.	9.8	2
3	When de Prony Met Leonardo: An Automatic Algorithm for Chemical Element Extraction From Macro X-Ray Fluorescence Data. IEEE Transactions on Computational Imaging, 2021, 7, 908-924.	4.4	9
4	Identifying Brazilwood's Marker Component, Urolithin C, in Historical Textiles by Surface-Enhanced Raman Spectroscopy. Heritage, 2021, 4, 1415-1428.	1.9	10
5	A Learning Based Approach to Separate Mixed X-Ray Images Associated with Artwork with Concealed Designs. , 2021, , .		2
6	Revealing Hidden Drawings in Leonardo's 'the Virgin of the Rocks' from Macro X-Ray Fluorescence Scanning Data through Element Line Localisation. , 2020, , .		4
7	Artificial intelligence for art investigation: Meeting the challenge of separating x-ray images of the <i>Ghent Altarpiece</i>. Science Advances, 2019, 5, eaaw7416.	10.3	24