

# Victor Gonzalez

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8733532/publications.pdf>

Version: 2024-02-01

22  
papers

440  
citations

623734

14  
h-index

752698

20  
g-index

23  
all docs

23  
docs citations

23  
times ranked

382  
citing authors

#	ARTICLE	IF	CITATIONS
1	Synchrotron-Based High Angle Resolution and High Lateral Resolution X-ray Diffraction: Revealing Lead White Pigment Qualities in Old Masters Paintings. <i>Analytical Chemistry</i> , 2017, 89, 13203-13211.	6.5	47
2	Revealing the Origin and History of Lead-White Pigments by Their Photoluminescence Properties. <i>Analytical Chemistry</i> , 2017, 89, 2909-2918.	6.5	43
3	Composition and microstructure of the lead white pigment in Masters paintings using HR Synchrotron XRD. <i>Microchemical Journal</i> , 2016, 125, 43-49.	4.5	41
4	Macroscopic x-ray powder diffraction imaging reveals Vermeer's discriminating use of lead white pigments in <i>Girl with a Pearl Earring</i> . <i>Science Advances</i> , 2019, 5, eaax1975.	10.3	35
5	Synthesizing lead white pigments by lead corrosion: New insights into the ancient manufacturing processes. <i>Corrosion Science</i> , 2019, 146, 10-17.	6.6	34
6	X-ray Diffraction Mapping for Cultural Heritage Science: a Review of Experimental Configurations and Applications. <i>Chemistry - A European Journal</i> , 2020, 26, 1703-1719.	3.3	25
7	Beauty is skin deep: the skin tones of Vermeer's <i>Girl with a Pearl Earring</i> . <i>Heritage Science</i> , 2019, 7, .	2.3	23
8	Insights into the composition of ancient Egyptian red and black inks on papyri achieved by synchrotron-based microanalyses. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 27825-27835.	7.1	23
9	Imaging secondary reaction products at the surface of Vermeer's <i>Girl with the Pearl Earring</i> by means of macroscopic X-ray powder diffraction scanning. <i>Heritage Science</i> , 2019, 7, .	2.3	23
10	Thermal Decomposition of Lead White for Radiocarbon Dating of Paintings. <i>Radiocarbon</i> , 2019, 61, 1345-1356.	1.8	20
11	Time-Resolved Photoluminescence Microscopy for the Analysis of Semiconductor-Based Paint Layers. <i>Materials</i> , 2017, 10, 1335.	2.9	19
12	Sulfur K-edge micro- and full-field XANES identify marker for preparation method of ultramarine pigment from lapis lazuli in historical paints. <i>Science Advances</i> , 2020, 6, eaay8782.	10.3	17
13	The "Historical Materials BAG": A New Facilitated Access to Synchrotron X-ray Diffraction Analyses for Cultural Heritage Materials at the European Synchrotron Radiation Facility. <i>Molecules</i> , 2022, 27, 1997.	3.8	17
14	Unraveling the Composition of Rembrandt's Impasto through the Identification of Unusual Plumbonacrite by Multimodal X-ray Diffraction Analysis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 5619-5622.	13.8	16
15	Synchrotron micro-XRD and micro-XRD-CT reveal newly formed lead-sulfur compounds in Old Master paintings. <i>Journal of Analytical Atomic Spectrometry</i> , 2020, 35, 2267-2273.	3.0	14
16	Reflectance Imaging Spectroscopy (RIS) for Operation Night Watch: Challenges and Achievements of Imaging Rembrandt's Masterpiece in the Glass Chamber at the Rijksmuseum. <i>Sensors</i> , 2021, 21, 6855.	3.8	14
17	Out of the blue: Vermeer's use of ultramarine in <i>Girl with a Pearl Earring</i> . <i>Heritage Science</i> , 2020, 8, .	2.3	11
18	Unraveling the Composition of Rembrandt's Impasto through the Identification of Unusual Plumbonacrite by Multimodal X-ray Diffraction Analysis. <i>Angewandte Chemie</i> , 2019, 131, 5675-5678.	2.0	7

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19	Application of Synchrotron Radiation-Based Micro-Analysis on Cadmium Yellows in Pablo Picasso's <i>Femme</i> . <i>Microscopy and Microanalysis</i> , 2022, 28, 1504-1513.	0.4	6
20	Microchemical analysis of Leonardo da Vinci's lead white paints reveals knowledge and control over pigment scattering properties. <i>Scientific Reports</i> , 2020, 10, 21715.	3.3	5
21	Innenrücktitelbild: Unraveling the Composition of Rembrandt's Impasto through the Identification of Unusual Plumbonacrite by Multimodal X-ray Diffraction Analysis ( <i>Angew. Chem.</i> 17/2019). <i>Angewandte Chemie</i> , 2019, 131, 5827-5827.	2.0	0
22	Frontispiece: X-ray Diffraction Mapping for Cultural Heritage Science: a Review of Experimental Configurations and Applications. <i>Chemistry - A European Journal</i> , 2020, 26, .	3.3	0