

# Giuseppe Capobianco

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8097851/publications.pdf>

Version: 2024-02-01

41  
papers

513  
citations

623188

14  
h-index

676716

22  
g-index

42  
all docs

42  
docs citations

42  
times ranked

488  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | Recycling-oriented characterization of PET waste stream by SWIR hyperspectral imaging and variable selection methods. <i>Detritus</i> , 2022, , 42-49.   | 0.4 | 5         |
| 2  | Data Fusion of PRISMA Satellite Imagery for Asbestos-containing Materials: An Application on Balangero's Mine Site (Italy). , 2022, , .  |     | 1         |
| 3  | A Green Approach Based on Micro-X-ray Fluorescence for Arsenic, Micro- and Macronutrients Detection in <i>Pteris vittata</i> . <i>Water (Switzerland)</i> , 2022, 14, 2202.  | 1.2 | 1         |
| 4  | Arsenic accumulation in <i>Pteris vittata</i> : Time course, distribution, and arsenic-related gene expression in fronds and whole plantlets. <i>Environmental Pollution</i> , 2022, 309, 119773.  | 3.7 | 5         |
| 5  | Performance Evaluation of Classical Classifiers and Deep Learning Approaches for Polymers Classification Based on Hyperspectral Images. <i>Lecture Notes in Computer Science</i> , 2021, , 281-292.  | 1.0 | 4         |
| 6  | EVALUATION OF ELEMENTS DISTRIBUTION IN PRINTED CIRCUIT BOARDS FROM MOBILE PHONES BY MICRO X-RAY FLUORESCENCE. <i>Detritus</i> , 2021, , 78-85.   | 0.4 | 1         |
| 7  | Phytoextraction efficiency of <i>Pteris vittata</i> grown on a naturally As-rich soil and characterization of As-resistant rhizosphere bacteria. <i>Scientific Reports</i> , 2021, 11, 6794.   | 1.6 | 20        |
| 8  | A Multi-Technique Approach to Evaluate the Surface Properties of Heat-Treated Chestnut Wood Finished with a Water-Based Coating. <i>Coatings</i> , 2021, 11, 706.  | 1.2 | 5         |
| 9  | A dataset of visible " Short wave InfraRed reflectance spectra collected on pre-cooked pasta products. <i>Data in Brief</i> , 2021, 36, 106989.  | 0.5 | 1         |
| 10 | Yellow Pigment Powders Based on Lead and Antimony: Particle Size and Colour Hue. <i>Journal of Imaging</i> , 2021, 7, 127.   | 1.7 | 4         |
| 11 | Optimized Method for Mapping Inorganic Pigments by Means of Multispectral Imaging Combined with Hyperspectral Spectroscopy for the Study of Vincenzo Pasqualoni's Wall Painting at the Basilica of S. Nicola in Carcere in Rome. <i>Minerals (Basel, Switzerland)</i> , 2021, 11, 839. | 0.8 | 4         |
| 12 | Effective Recycling Solutions for the Production of High-Quality PET Flakes Based on Hyperspectral Imaging and Variable Selection. <i>Journal of Imaging</i> , 2021, 7, 181.   | 1.7 | 6         |
| 13 | Recycling-Oriented Characterization of Post-Earthquake Building Waste by Different Sensing Techniques. <i>Journal of Imaging</i> , 2021, 7, 182.   | 1.7 | 9         |
| 14 | Contaminant detection in pistachio nuts by different classification methods applied to short-wave infrared hyperspectral images. <i>Food Control</i> , 2021, 130, 108202.  | 2.8 | 20        |
| 15 | Experimental tests for evaluating the stability of a new nano-silica based protective for Sperone stone in comparison to traditional products. <i>AIP Conference Proceedings</i> , 2020, , .   | 0.3 | 0         |
| 16 | $\mu$ XRF Mapping as a Powerful Technique for Investigating Metal Objects from the Archaeological Site of Ferento (Central Italy). <i>Journal of Imaging</i> , 2020, 6, 59.  | 1.7 | 6         |
| 17 | Analytical chemistry approach in cultural heritage: the case of Vincenzo Pasqualoni's wall paintings in S. Nicola in Carcere (Rome). <i>Microchemical Journal</i> , 2020, 156, 104920.   | 2.3 | 19        |
| 18 | Hyperspectral imaging as powerful technique for evaluating the stability of Tattoo Wall®. <i>Microchemical Journal</i> , 2020, 157, 104866.  | 2.3 | 7         |

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|----|---|-----|-----------|
| 19 | An innovative approach based on hyperspectral imaging (HSI) combined with chemometrics for soil phytoremediation monitoring. , 2020, , .  |     | 2         |
| 20 | MICRO X-RAY FLUORESCENCE IMAGING COUPLED WITH CHEMOMETRICS TO DETECT AND CLASSIFY ASBESTOS FIBERS IN DEMOLITION WASTE. Detritus, 2020, , 150-159.   | 0.4 | 3         |
| 21 | Image data fusion applied to pictorial layers recognition. , 2020, , .  |     | 2         |
| 22 | Hyperspectral Imaging as Powerful Technique for Investigating the Stability of Painting Samples. Journal of Imaging, 2019, 5, 8.  | 1.7 | 18        |
| 23 | Hyperspectral Imaging and Hierarchical PLS-DA Applied to Asbestos Recognition in Construction and Demolition Waste. Applied Sciences (Switzerland), 2019, 9, 4587.  | 1.3 | 20        |
| 24 | Tattoo Wall: study of the stability of an innovative decorative technique through hyperspectral imaging and possible application in the mural paintingâ€™s restoration. , 2019, , .   |     | 1         |
| 25 | Hyperspectral imaging applied to asbestos containing materials detection: specimen preparation and handling. , 2019, , .  |     | 4         |
| 26 | A hierarchical classification approach for recognition of low-density (LDPE) and high-density polyethylene (HDPE) in mixed plastic waste based on short-wave infrared (SWIR) hyperspectral imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 115-122.            | 2.0 | 67        |
| 27 | Asbestos containing materials detection and classification by the use of hyperspectral imaging. Journal of Hazardous Materials, 2018, 344, 981-993.   | 6.5 | 38        |
| 28 | A methodological approach to study the stability of selected watercolours for painting reintegration, through reflectance spectrophotometry, Fourier transform infrared spectroscopy and hyperspectral imaging. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 92-106. | 2.0 | 20        |
| 29 | X-ray fluorescence investigation on yellow pigments based on lead, tin and antimony through the comparison between laboratory and portable instruments. Journal of Cultural Heritage, 2018, 29, 19-29.  | 1.5 | 17        |
| 30 | The use of micro-energy dispersive X-ray fluorescence spectrometry combined with a multivariate approach to determine element variation and distribution in tobacco seedlings exposed to arsenate. Spectrochimica Acta, Part B: Atomic Spectroscopy, 2018, 147, 132-140.                                  | 1.5 | 12        |
| 31 | A new approach for the modelling of chestnut wood photo-degradation monitored by different spectroscopic techniques. Environmental Science and Pollution Research, 2017, 24, 13874-13884.   | 2.7 | 18        |
| 32 | Chemometrics approach to FT-IR hyperspectral imaging analysis of degradation products in artwork cross-section. Microchemical Journal, 2017, 132, 69-76.  | 2.3 | 35        |
| 33 | Protective behaviour monitoring on wood photo-degradation by spectroscopic techniques coupled with chemometrics. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 172, 34-42.   | 2.0 | 27        |
| 34 | Hyperspectral imaging as a technique for investigating the effect of consolidating materials on wood. Journal of Electronic Imaging, 2016, 26, 011003.  | 0.5 | 11        |
| 35 | Study of consolidating materials applied on wood by hyperspectral imaging. Proceedings of SPIE, 2016, , .   | 0.8 | 1         |
| 36 | Hyperspectral imaging applied to the identification and classification of asbestos fibers. , 2015, , .  |     | 5         |

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|----|--|-----|-----------|
| 37 | Modeling color and chemical changes on normal and red heart beech wood by reflectance spectrophotometry, Fourier Transform Infrared spectroscopy and hyperspectral imaging. <i>Polymer Degradation and Stability</i> , 2015, 113, 10-21. | 2.7 | 30        |
| 38 | Pigment identification in pictorial layers by Hyperspectral Imaging. <i>Proceedings of SPIE</i> , 2014, , .  | 0.8 | 1         |
| 39 | A Scientific Approach in the Recovery of the Historic Center of Rome: Limits and Potentials of the "Color Plan". <i>Procedia Chemistry</i> , 2013, 8, 212-220.   | 0.7 | 3         |
| 40 | Colour modifications and hyperspectral imaging: non-invasive analysis of photo-degraded wood surfaces. <i>Journal of Agricultural Engineering</i> , 2013, 44, .  | 0.7 | 2         |
| 41 | Surface Investigation of Photo-Degraded Wood by Colour Monitoring, Infrared Spectroscopy, and Hyperspectral Imaging. <i>Journal of Spectroscopy</i> , 2013, 2013, 1-13.  | 0.6 | 56        |