

# Chiara Baldacchini

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4918071/publications.pdf>

Version: 2024-02-01

42  
papers

1,094  
citations

361045

20  
h-index

395343

33  
g-index

43  
all docs

43  
docs citations

43  
times ranked

1391  
citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | One drop only. Easy and rapid Raman evaluation of $\hat{\beta}$ -carotene in olive oil and its relevance as an index of olive fly attack. <i>Food Chemistry</i> , 2022, 393, 133340.   | 4.2 | 4         |
| 2  | Comparing i-Tree Eco Estimates of Particulate Matter Deposition with Leaf and Canopy Measurements in an Urban Mediterranean Holm Oak Forest. <i>Environmental Science &amp; Technology</i> , 2021, 55, 6613-6622.                                | 4.6 | 35        |
| 3  | The use of a commercial ESI Z-spray source for ambient ion soft landing and microdroplet reactivity experiments. <i>International Journal of Mass Spectrometry</i> , 2021, 468, 116658.  | 0.7 | 9         |
| 4  | Similarities and differences of potentially toxic elements contents in leaves of <i>Fraxinus excelsior</i> L. and <i>Platanus orientalis</i> L. in an urban environment. <i>Urban Forestry and Urban Greening</i> , 2021, 65, 127359.            | 2.3 | 1         |
| 5  | Nature-Based Solutions as Tools for Monitoring the Abiotic and Biotic Factors in Urban Ecosystems. <i>Future City</i> , 2021, , 131-150.   | 0.2 | 2         |
| 6  | Revealing Soil and Tree Leaves Deposited Particulate Matter PTE Relationship and Potential Sources in Urban Environment. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10412.                             | 1.2 | 4         |
| 7  | A Reliable BioFET Immunosensor for Detection of p53 Tumour Suppressor in Physiological-Like Environment. <i>Sensors</i> , 2020, 20, 6364.  | 2.1 | 18        |
| 8  | Innovative Characterization of Particulate Matter Deposited on Urban Vegetation Leaves through the Application of a Chemical Fractionation Procedure. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 5717. | 1.2 | 10        |
| 9  | Nanogap Sensors Decorated with SnO <sub>2</sub> Nanoparticles Enable Low-Temperature Detection of Volatile Organic Compounds. <i>ACS Applied Nano Materials</i> , 2020, 3, 3337-3346.  | 2.4 | 13        |
| 10 | Relationships between air particulate matter capture efficiency and leaf traits in twelve tree species from an Italian urban-industrial environment. <i>Science of the Total Environment</i> , 2020, 718, 137310.                                | 3.9 | 89        |
| 11 | Portable Immunosensor Based on Extended Gate-Field Effect Transistor for Rapid, Sensitive Detection of Cancer Markers. <i>Proceedings (mdpi)</i> , 2019, 15, .   | 0.2 | 1         |
| 12 | Combining analysis of fatty acid composition and $\hat{\delta}^{13}\text{C}$ in extra-virgin olive oils as affected by harvest period and cultivar: Possible use in traceability studies. <i>Food Control</i> , 2019, 105, 151-158.              | 2.8 | 10        |
| 13 | An ultra-spatially resolved method to quali-quantitative monitor particulate matter in urban environment. <i>Environmental Science and Pollution Research</i> , 2019, 26, 18719-18729.   | 2.7 | 28        |
| 14 | Cultivar discrimination, fatty acid profile and carotenoid characterization of monovarietal olive oils by Raman spectroscopy at a single glance. <i>Food Control</i> , 2019, 96, 137-145.  | 2.8 | 24        |
| 15 | How Does the Amount and Composition of PM Deposited on <i>Platanus acerifolia</i> Leaves Change Across Different Cities in Europe?. <i>Environmental Science &amp; Technology</i> , 2017, 51, 1147-1156.   | 4.6 | 55        |
| 16 | Structure, Dynamics, and Electron Transfer of Azurin Bound to a Gold Electrode. <i>Langmuir</i> , 2017, 33, 9190-9200.   | 1.6 | 5         |
| 17 | Vibrational Changes Induced by Electron Transfer in Surface Bound Azurin Metalloprotein Studied by Tip-Enhanced Raman Spectroscopy and Scanning Tunneling Microscopy. <i>ACS Nano</i> , 2017, 11, 12824-12831.                                   | 7.3 | 25        |
| 18 | Geographical discrimination of extra-virgin olive oils from the Italian coasts by combining stable isotope data and carotenoid content within a multivariate analysis. <i>Food Chemistry</i> , 2017, 215, 1-6.                                   | 4.2 | 50        |

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|----|--|-----|-----------|
| 19 | Electron transfer, conduction and biorecognition properties of the redox metalloprotein Azurin assembled onto inorganic substrates. <i>European Polymer Journal</i> , 2016, 83, 407-427.     | 2.6 | 32        |
| 20 | Characterization of leaf-level particulate matter for an industrial city using electron microscopy and X-ray microanalysis. <i>Science of the Total Environment</i> , 2016, 548-549, 91-99.  | 3.9 | 47        |
| 21 | Electron tunnelling through single azurin molecules can be on/off switched by voltage pulses. <i>Applied Physics Letters</i> , 2015, 106, 183701.  | 1.5 | 15        |
| 22 | Excitation of the ligand-to-metal charge transfer band induces electron tunnelling in azurin. <i>Applied Physics Letters</i> , 2014, 104, 093702.  | 1.5 | 10        |
| 23 | Conductive atomic force microscopy study of single molecule electron transport through the Azurin-gold nanoparticle system. <i>Applied Physics Letters</i> , 2013, 102, 203704.              | 1.5 | 14        |
| 24 | Chemically Modified Multiwalled Carbon Nanotubes Electrodes with Ferrocene Derivatives through Reactive Landing. <i>Journal of Physical Chemistry C</i> , 2011, 115, 4863-4871.              | 1.5 | 23        |
| 25 | Highly Conductive Redox Protein-Carbon Nanotube Complex for Biosensing Applications. <i>Advanced Functional Materials</i> , 2011, 21, 153-157.   | 7.8 | 15        |
| 26 | Lying-Down Metallic Single-Walled Carbon Nanotubes as Efficient Linkers for Metalloprotein-Based Nanodevices. <i>Journal of Nanoscience and Nanotechnology</i> , 2010, 10, 2753-2758.        | 0.9 | 4         |
| 27 | Molecular charge distribution and dispersion of electronic states in the contact layer between pentacene and Cu(111) and beyond. <i>Physical Review B</i> , 2008, 77, .                      | 1.1 | 16        |
| 28 | Yeast cytochrome c integrated with electronic elements: a nanoscopic and spectroscopic study down to single-molecule level. <i>Journal of Physics Condensed Matter</i> , 2007, 19, 225009.   | 0.7 | 14        |
| 29 | Conductive atomic force microscopy investigation of transverse current across metallic and semiconducting single-walled carbon nanotubes. <i>Applied Physics Letters</i> , 2007, 91, 122103. | 1.5 | 14        |
| 30 | Mixing of Electronic States in Pentacene Adsorption on Copper. <i>Physical Review Letters</i> , 2007, 99, 046802.  | 2.9 | 132       |
| 31 | Symmetry lowering of pentacene molecular states interacting with a Cu surface. <i>Physical Review B</i> , 2007, 76, .  | 1.1 | 26        |
| 32 | Molecule-metal interaction of pentacene on copper vicinal surfaces. <i>Surface Science</i> , 2007, 601, 2603-2606.   | 0.8 | 37        |
| 33 | Self organization of pentacene grown on Cu(111). <i>Surface Science</i> , 2007, 601, 4242-4245.  | 0.8 | 31        |
| 34 | Molecular gap and energy level diagram for pentacene adsorbed on filled d-band metal surfaces. <i>Applied Physics Letters</i> , 2006, 89, 152119.  | 1.5 | 30        |
| 35 | Adsorption of pentacene on filled d-band metal surfaces: Long-range ordering and adsorption energy. <i>Journal of Chemical Physics</i> , 2006, 124, 154702.                                  | 1.2 | 38        |
| 36 | Core-shell photoabsorption and photoelectron spectra of gas-phase pentacene: Experiment and theory. <i>Journal of Chemical Physics</i> , 2005, 122, 124305.                                  | 1.2 | 83        |

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|----|---|-----|-----------|
| 37 | Au(110) induced reconstruction by $\pi$ -conjugated molecules adsorption investigated by photoemission spectroscopy and low energy electron diffraction. Surface Science, 2004, 566-568, 79-83. | 0.8 | 27        |
| 38 | Surface-science approach to the study of mercaptobenzoxazole on Cu(100). Surface Science, 2004, 566-568, 579-584.   | 0.8 | 3         |
| 39 | Electronic structure of long-range ordered pentacene structures on the stepped Cu(119) surface. Surface Science, 2004, 566-568, 613-617.  | 0.8 | 18        |
| 40 | Cu(100) surface: High-resolution experimental and theoretical band mapping. Physical Review B, 2003, 68, .  | 1.1 | 37        |
| 41 | Electronic band states of long-range ordered aromatic thione molecules assembled on Cu(100). Physical Review B, 2002, 66, .   | 1.1 | 28        |
| 42 | Growth of 2-mercaptobenzoxazole on Cu() surface: chemisorbed and physisorbed phases. Surface Science, 2002, 507-510, 7-11.  | 0.8 | 15        |