Chiara Baldacchini

List of Publications by Year
in descending order

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	Mixing of Electronic States in Pentacene Adsorption on Copper. Physical Review Letters, 2007, 99, 046802.	2.9	132
2	Relationships between air particulate matter capture efficiency and leaf traits in twelve tree species from an Italian urban-industrial environment. Science of the Total Environment, 2020, 718, 137310.	3.9	89
3	Core-shell photoabsorption and photoelectron spectra of gas-phase pentacene: Experiment and theory. Journal of Chemical Physics, 2005, 122, 124305.	1.2	83
4	How Does the Amount and Composition of PM Deposited on Platanus acerifolia Leaves Change Across Different Cities in Europe?. Environmental Science & Technology, 2017, 51, 1147-1156.	4.6	55
5	Geographical discrimination of extra-virgin olive oils from the Italian coasts by combining stable isotope data and carotenoid content within a multivariate analysis. Food Chemistry, 2017, 215, 1-6.	4.2	50
6	Characterization of leaf-level particulate matter for an industrial city using electron microscopy and X-ray microanalysis. Science of the Total Environment, 2016, 548-549, 91-99.	3.9	47
7	Adsorption of pentacene on filled d-band metal surfaces: Long-range ordering and adsorption energy. Journal of Chemical Physics, 2006, 124, 154702.	1.2	38
8	Cu(100) surface:â€,â€,High-resolution experimental and theoretical band mapping. Physical Review B, 2003, 68, .	1.1	37
9	Moleculeâ€“metal interaction of pentacene on copper vicinal surfaces. Surface Science, 2007, 601, 2603-2606.	0.8	37
10	Comparing i-Tree Eco Estimates of Particulate Matter Deposition with Leaf and Canopy Measurements in an Urban Mediterranean Holm Oak Forest. Environmental Science & Technology, 2021, 55, 6613-6622.	4.6	35
11	Electron transfer, conduction and biorecognition properties of the redox metalloprotein Azurin assembled onto inorganic substrates. European Polymer Journal, 2016, 83, 407-427.	2.6	32
12	Self organization of pentacene grown on Cu(119). Surface Science, 2007, 601, 4242-4245.	0.8	31
13	Molecular gap and energy level diagram for pentacene adsorbed on filled d-band metal surfaces. Applied Physics Letters, 2006, 89, 152119.	1.5	30
14	Electronic band states of long-range ordered aromatic thione molecules assembled on Cu(100). Physical Review B, 2002, 66, .	1.1	28
15	An ultra-spatially resolved method to quali-quantitative monitor particulate matter in urban environment. Environmental Science and Pollution Research, 2019, 26, 18719-18729.	2.7	28
16	Au(110) induced reconstruction by ï€ conjugated molecules adsorption investigated by photoemission spectroscopy and low energy electron diffraction. Surface Science, 2004, 566-568, 79-83.	0.8	27
17	Symmetry lowering of pentacene molecular states interacting with a Cu surface. Physical Review B, 2007, 76, .	1.1	26
18	Vibrational Changes Induced by Electron Transfer in Surface Bound Azurin Metalloprotein Studied by Tip-Enhanced Raman Spectroscopy and Scanning Tunneling Microscopy. ACS Nano, 2017, 11, 12824-12831.	7.3	25

#	Article	IF	Citations
19	Cultivar discrimination, fatty acid profile and carotenoid characterization of monovarietal olive oils by Raman spectroscopy at a single glance. Food Control, 2019, 96, 137-145.	2.8	24
20	Chemically Modified Multiwalled Carbon Nanotubes Electrodes with Ferrocene Derivatives through Reactive Landing. Journal of Physical Chemistry C, 2011, 115, 4863-4871.	1.5	23
21	Electronic structure of long-range ordered pentacene structures on the stepped Cu(119) surface. Surface Science, 2004, 566-568, 613-617.	0.8	18
22	A Reliable BioFET Immunosensor for Detection of p53 Tumour Suppressor in Physiological-Like Environment. Sensors, 2020, 20, 6364.	2.1	18
23	Molecular charge distribution and dispersion of electronic states in the contact layer between pentacene and Cu(119) and beyond. Physical Review B, 2008, 77, .	1.1	16
24	Growth of 2-mercaptobenzoxazole on Cu() surface: chemisorbed and physisorbed phases. Surface Science, 2002, 507-510, 7-11.	0.8	15
25	Highly Conductive Redox Proteinâ€“Carbon Nanotube Complex for Biosensing Applications. Advanced Functional Materials, 2011, 21, 153-157.	7.8	15
26	Electron tunnelling through single azurin molecules can be on/off switched by voltage pulses. Applied Physics Letters, 2015, 106, 183701.	1.5	15
27	Yeast cytochrome c integrated with electronic elements: a nanoscopic and spectroscopic study down to single-molecule level. Journal of Physics Condensed Matter, 2007, 19, 225009.	0.7	14
28	Conductive atomic force microscopy investigation of transverse current across metallic and semiconducting single-walled carbon nanotubes. Applied Physics Letters, 2007, 91, 122103.	1.5	14
29	Conductive atomic force microscopy study of single molecule electron transport through the Azurin-gold nanoparticle system. Applied Physics Letters, 2013, 102, 203704.	1.5	14
30	Nanogap Sensors Decorated with SnO₂ Nanoparticles Enable Low-Temperature Detection of Volatile Organic Compounds. ACS Applied Nano Materials, 2020, 3, 3337-3346.	2.4	13
31	Excitation of the ligand-to-metal charge transfer band induces electron tunnelling in azurin. Applied Physics Letters, 2014, 104, 093702.	1.5	10
32	Combining analysis of fatty acid composition and Î´13C in extra-virgin olive oils as affected by harvest period and cultivar: Possible use in traceability studies. Food Control, 2019, 105, 151-158.	2.8	10
33	Innovative Characterization of Particulate Matter Deposited on Urban Vegetation Leaves through the Application of a Chemical Fractionation Procedure. International Journal of Environmental Research and Public Health, 2020, 17, 5717.	1.2	10
34	The use of a commercial ESI Z-spray source for ambient ion soft landing and microdroplet reactivity experiments. International Journal of Mass Spectrometry, 2021, 468, 116658.	0.7	9
35	Structure, Dynamics, and Electron Transfer of Azurin Bound to a Gold Electrode. Langmuir, 2017, 33, 9190-9200.	1.6	5
36	Lying-Down Metallic Single-Walled Carbon Nanotubes as Efficient Linkers for Metalloprotein-Based Nanodevices. Journal of Nanoscience and Nanotechnology, 2010, 10, 2753-2758.	0.9	4

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37	Revealing Soil and Tree Leaves Deposited Particulate Matter PTE Relationship and Potential Sources in Urban Environment. International Journal of Environmental Research and Public Health, 2021, 18, 10412.	1.2	4
38	One drop only. Easy and rapid Raman evaluation of Î²-carotene in olive oil and its relevance as an index of olive fly attack. Food Chemistry, 2022, 393, 133340.	4.2	4
39	Surface-science approach to the study of mercaptobenzoxazole on Cu(100). Surface Science, 2004, 566-568, 579-584.	0.8	3
40	Nature-Based Solutions as Tools for Monitoring the Abiotic and Biotic Factors in Urban Ecosystems. Future City, 2021, , 131-150.	0.2	2
41	Portable Immunosensor Based on Extended Gateâ€"Field Effect Transistor for Rapid, Sensitive Detection of Cancer Markers. Proceedings (mdpi), 2019, 15, .	0.2	1
42	Similarities and differences of potentially toxic elements contents in leaves of Fraxinus excelsior L. and Platanus orientalis L. in an urban environment. Urban Forestry and Urban Greening, 2021, 65, 127359.	2.3	1