

# Flavio Della Pelle

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

1,318  
citations

279701

23  
h-index

360920

35  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1148  
citing authors

#	ARTICLE	IF	CITATIONS
1	Nanomaterial-Based Sensing and Biosensing of Phenolic Compounds and Related Antioxidant Capacity in Food. <i>Sensors</i> , 2018, 18, 462.	2.1	116
2	Nano carbon black-based screen printed sensor for carbofuran, isoprocarb, carbaryl and fenobucarb detection: application to grain samples. <i>Talanta</i> , 2018, 186, 389-396.	2.9	95
3	Molecularly Imprinted Polymers Combined with Electrochemical Sensors for Food Contaminants Analysis. <i>Molecules</i> , 2021, 26, 4607.	1.7	61
4	Gold Nanoparticles-based Extraction-Free Colorimetric Assay in Organic Media: An Optical Index for Determination of Total Polyphenols in Fat-Rich Samples. <i>Analytical Chemistry</i> , 2015, 87, 6905-6911.	3.2	59
5	Affinity Sensing Strategies for the Detection of Pesticides in Food. <i>Foods</i> , 2018, 7, 148.	1.9	56
6	Simple and rapid silver nanoparticles based antioxidant capacity assays: Reactivity study for phenolic compounds. <i>Food Chemistry</i> , 2018, 256, 342-349.	4.2	49
7	Antioxidant capacity index based on gold nanoparticles formation. Application to extra virgin olive oil samples. <i>Food Chemistry</i> , 2015, 178, 70-75.	4.2	47
8	Silver nanoparticles-based plasmonic assay for the determination of sugar content in food matrices. <i>Analytica Chimica Acta</i> , 2019, 1051, 129-137.	2.6	44
9	Press-transferred carbon black nanoparticles on board of microfluidic chips for rapid and sensitive amperometric determination of phenyl carbamate pesticides in environmental samples. <i>Mikrochimica Acta</i> , 2016, 183, 3143-3149.	2.5	43
10	Electrodeposited Prussian Blue on carbon black modified disposable electrodes for direct enzyme-free H <sub>2</sub> O <sub>2</sub> sensing in a Parkinson's disease in vitro model. <i>Sensors and Actuators B: Chemical</i> , 2018, 275, 402-408.	4.0	43
11	Peptide Modified ZnO Nanoparticles as Gas Sensors Array for Volatile Organic Compounds (VOCs). <i>Frontiers in Chemistry</i> , 2018, 6, 105.	1.8	41
12	High-performance carbon black/molybdenum disulfide nanohybrid sensor for cocoa catechins determination using an extraction-free approach. <i>Sensors and Actuators B: Chemical</i> , 2019, 296, 126651.	4.0	41
13	Silver and gold nanoparticles based colorimetric assays for the determination of sugars and polyphenols in apples. <i>Food Research International</i> , 2019, 119, 359-368.	2.9	38
14	Selective Voltammetric Analysis of Diphenols from Olive Oil Using Na <sub>2</sub> MoO <sub>4</sub> as Electrochemical Mediator. <i>Electroanalysis</i> , 2012, 24, 889-896.	1.5	37
15	Press-transferred carbon black nanoparticles for class-selective antioxidant electrochemical detection. <i>Applied Materials Today</i> , 2017, 9, 29-36.	2.3	37
16	Class-selective voltammetric determination of hydroxycinnamic acids structural analogs using a WS <sub>2</sub> /catechin-capped AuNPs/carbon black-based nanocomposite sensor. <i>Mikrochimica Acta</i> , 2020, 187, 296.	2.5	36
17	Press-Printed Conductive Carbon Black Nanoparticle Films for Molecular Detection at the Microscale. <i>Chemistry - A European Journal</i> , 2016, 22, 12761-12766.	1.7	34
18	Electrochemical Behaviour of Microwave-Assisted Oxidized MWCNTs Based Disposable Electrodes: Proposal of a NADH Electrochemical Sensor. <i>Electroanalysis</i> , 2018, 30, 509-516.	1.5	32

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19	Nanohybrid carbon black-molybdenum disulfide transducers for preconcentration-free voltammetric detection of the olive oil o-diphenols hydroxytyrosol and oleuropein. <i>Mikrochimica Acta</i> , 2019, 186, 363.	2.5	32
20	Plasmonic active film integrating gold/silver nanostructures for H <sub>2</sub> O <sub>2</sub> readout. <i>Talanta</i> , 2021, 222, 121682.	2.9	27
21	Group VI transition metal dichalcogenides as antifouling transducers for electrochemical oxidation of catechol-containing structures. <i>Electrochemistry Communications</i> , 2020, 115, 106718.	2.3	26
22	Determination of Pesticides in Wheat Flour Using Microextraction on Packed Sorbent Coupled to Ultra-High Performance Liquid Chromatography and Tandem Mass Spectrometry. <i>Food Analytical Methods</i> , 2017, 10, 1699-1708.	1.3	25
23	Hairpin DNA-AuNPs as molecular binding elements for the detection of volatile organic compounds. <i>Biosensors and Bioelectronics</i> , 2019, 123, 124-130.	5.3	25
24	Oxidative stress on-chip: Prussian blue-based electrode array for in situ detection of H <sub>2</sub> O <sub>2</sub> from cell populations. <i>Biosensors and Bioelectronics</i> , 2020, 170, 112669.	5.3	24
25	Cocoa powder and catechins as natural mediators to modify carbon-black based screen-printed electrodes. Application to free and total glutathione detection in blood. <i>Talanta</i> , 2020, 207, 120349.	2.9	20
26	Effect of phenolic compounds-capped AgNPs on growth inhibition of <i>Aspergillus niger</i> . <i>Colloids and Surfaces B: Biointerfaces</i> , 2021, 199, 111533.	2.5	19
27	Water-Phase Exfoliated Biochar Nanofibers from Eucalyptus Scraps for Electrode Modification and Conductive Film Fabrication. <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 13988-13998.	3.2	19
28	Peptides, DNA and MIPs in Gas Sensing. From the Realization of the Sensors to Sample Analysis. <i>Sensors</i> , 2020, 20, 4433.	2.1	18
29	NADH Oxidation onto Different Carbon-Based Sensors: Effect of Structure and Surface-Oxygenated Groups. <i>Journal of Sensors</i> , 2018, 2018, 1-9.	0.6	17
30	Headspace Volatile Evaluation of Carrot Samples—Comparison of GC/MS and AuNPs-hpDNA-Based E-Nose. <i>Foods</i> , 2019, 8, 293.	1.9	16
31	Xurography-Enabled Thermally Transferred Carbon Nanomaterial-Based Electrochemical Sensors on Polyethylene Terephthalate—Ethylene Vinyl Acetate Films. <i>Analytical Chemistry</i> , 2020, 92, 13565-13572.	3.2	16
32	Colorimetric determination of polyphenols via a gold nanoseeds—decorated polydopamine film. <i>Mikrochimica Acta</i> , 2020, 187, 267.	2.5	16
33	Piezoelectric peptide-hpDNA based electronic nose for the detection of terpenes; Evaluation of the aroma profile in different <i>Cannabis sativa L.</i> (hemp) samples. <i>Sensors and Actuators B: Chemical</i> , 2020, 308, 127697.	4.0	14
34	Fast sonochemical molecularly imprinted polymer synthesis for selective electrochemical determination of maleic hydrazide. <i>Microchemical Journal</i> , 2022, 180, 107634.	2.3	12
35	Electrochemical Glucose Quantification as a Strategy for Ethanolic Fermentation Monitoring. <i>Chemosensors</i> , 2019, 7, 14.	1.8	10
36	Metal nanoparticles based lab-on-paper for phenolic compounds evaluation with no sample pretreatment. Application to extra virgin olive oil samples. <i>Analytica Chimica Acta</i> , 2021, 1183, 338971.	2.6	10

#	ARTICLE	IF	CITATIONS
37	Enzyme inhibition coupled to molecularly imprinted polymers for acetazolamide determination in biological samples. <i>Talanta</i> , 2022, 240, 123195.	2.9	10
38	Monitoring disinfection in the Covid-19 era. A reagent-free nanostructured smartphone-based device for the detection of oxidative disinfectants. <i>Microchemical Journal</i> , 2022, 175, 107165.	2.3	10
39	Modular graphene mediator film-based electrochemical pocket device for chlorpyrifos determination. <i>Talanta</i> , 2022, 240, 123212.	2.9	10
40	Micro-solid-phase extraction ( $\hat{\mu}$ -SPE) of organophosphorous pesticides from wheat followed by LC-MS/MS determination. <i>Food Additives and Contaminants - Part A Chemistry, Analysis, Control, Exposure and Risk Assessment</i> , 2016, 33, 1-9.	1.1	9
41	(+)-Catechin-assisted graphene production by sonochemical exfoliation in water. A new redox-active nanomaterial for electromediated sensing. <i>Mikrochimica Acta</i> , 2021, 188, 369.	2.5	9
42	New trends in enzyme-free electrochemical sensing of ROS/RNS. Application to live cell analysis. <i>Mikrochimica Acta</i> , 2022, 189, 102.	2.5	9
43	Eucalyptus Biochar as a Sustainable Nanomaterial for Electrochemical Sensors. , 2021, 5, .		3
44	Monitoring Shelf Life of Carrots with a Peptides Based Electronic Nose. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 69-74.	0.3	1
45	An Amperometric Sensor for the Selective Determination of Ortho-Diphenols in Olive Oil. <i>Lecture Notes in Electrical Engineering</i> , 2011, , 361-365.	0.3	1
46	Solid-Phase Extraction of Pesticides by Using Bioinspired Peptide Receptors. <i>Journal of Chemistry</i> , 2015, 2015, 1-7.	0.9	0
47	Press-transferred carbon black electrodes coupled to microchip electrophoresis for food pesticides detection. , 2015, , .		0
48	Carbon Black as Electrode Modifier in Prussian Blue Electrodeposition for H <sub>2</sub> O <sub>2</sub> Sensing. <i>Lecture Notes in Electrical Engineering</i> , 2019, , 345-350.	0.3	0
49	Optical Detection of Antioxidant Capacity in Food Using Metal Nanoparticles Formation. Study on Saffron Constituents. <i>Lecture Notes in Electrical Engineering</i> , 2018, , 151-157.	0.3	0
50	Studies on Silver Nanoparticles Production Mediated by Sugars. <i>Lecture Notes in Electrical Engineering</i> , 2020, , 29-34.	0.3	0
51	Lab-on-a-Tip Based on a Bimetallic Nanoarchitecture Enabling Catalytic 4-Nitrophenol Switch-off. , 2020, 60, .		0
52	Graphene Nanoflakes Incorporating Natural Phytochemicals Containing Catechols as Functional Material for Sensors. , 2021, 5, .		0