

# Laura Micheli

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

2,849  
citations

230014

27  
h-index

206121

51  
g-index

81  
all docs

81  
docs citations

81  
times ranked

3497  
citing authors

#	ARTICLE	IF	CITATIONS
1	Electrical impedance sensing of organic pollutants with ultrathin graphitic membranes. <i>Nanotechnology</i> , 2022, 33, 075207.	1.3	3
2	Powerful Electron-Transfer Screen-Printed Platforms as Biosensing Tools: The Case of Uric Acid Biosensor. <i>Biosensors</i> , 2022, 12, 2.	2.3	11
3	Monitoring of alcohol-based hand rubs in SARS-CoV-2 prevention by HS-GC/MS and electrochemical biosensor: A survey of commercial samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2022, 214, 114694.	1.4	3
4	Analysis and diagnosis of the state of conservation and restoration of paper-based artifacts: A non-invasive approach. <i>Journal of Cultural Heritage</i> , 2022, 55, 290-299.	1.5	4
5	Sensitive Detection of Industrial Pollutants Using Modified Electrochemical Platforms. <i>Nanomaterials</i> , 2022, 12, 1779.	1.9	12
6	Cost-effective and disposable label-free voltammetric immunosensor for sensitive detection of interleukin-6. <i>Biosensors and Bioelectronics</i> , 2022, 213, 114467.	5.3	24
7	Vegetable waste scaffolds for 3D-stem cell proliferating systems and low cost biosensors. <i>Talanta</i> , 2021, 223, 121671.	2.9	13
8	Electrical Impedance Spectroscopy for Real-Time Monitoring of the Life Cycle of Graphene Nanoplatelets Filters for Some Organic Industrial Pollutants. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-12.	2.4	7
9	Helicity: A Non-Conventional Stereogenic Element for Designing Inherently Chiral Ionic Liquids for Electrochemical Enantiodifferentiation. <i>Molecules</i> , 2021, 26, 311.	1.7	11
10	Gellan Gum Hydrogel as an Aqueous Treatment Method for <i>Xuan</i> Paper. <i>Restaurator</i> , 2021, 42, 37-54.	0.2	5
11	Microfluidic Flow Injection Immunoassay System for Algal Toxins Determination: A Case of Study. <i>Frontiers in Chemistry</i> , 2021, 9, 626630.	1.8	7
12	Determination of Folic Acid Using Biosensors—A Short Review of Recent Progress. <i>Sensors</i> , 2021, 21, 3360.	2.1	16
13	Ultrasound-Stimulated PVA Microbubbles for Adhesive Removal from Cellulose-Based Materials: A Groundbreaking Low-Impact Methodology. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 24207-24217.	4.0	5
14	Natural-based chiral task-specific deep eutectic solvents: A novel, effective tool for enantiodiscrimination in electroanalysis. <i>Electrochimica Acta</i> , 2021, 380, 138189.	2.6	30
15	2,12-Diaza[6]helicene: An Efficient Non-Conventional Stereogenic Scaffold for Enantioselective Electrochemical Interphases. <i>Chemosensors</i> , 2021, 9, 216.	1.8	5
16	<i>Humulus lupulus</i> Cone Extract Efficacy in Alginate-Based Edible Coatings on the Quality and Nutraceutical Traits of Fresh-Cut Kiwifruit. <i>Antioxidants</i> , 2021, 10, 1395.	2.2	10
17	Toward a Reversible Consolidation of Paper Materials Using Cellulose Nanocrystals. <i>ACS Applied Materials &amp; Interfaces</i> , 2021, 13, 44972-44982.	4.0	14
18	An ELIME assay for hepatitis A virus detection. <i>Talanta</i> , 2021, 234, 122672.	2.9	5

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19	Microwave-assisted synthesis of catalytic silver nanoparticles by hyperpigmented tomato skins: A green approach. <i>LWT - Food Science and Technology</i> , 2020, 133, 110088.	2.5	12
20	Phytocomplex Influences Antimicrobial and Health Properties of Concentrated Glycerine Macerates. <i>Antibiotics</i> , 2020, 9, 858.	1.5	4
21	An inverse-designed electrochemical platform for analytical applications. <i>Electrochemistry Communications</i> , 2020, 121, 106862.	2.3	12
22	Gellan Gum Microgels as Effective Agents for a Rapid Cleaning of Paper. <i>ACS Applied Polymer Materials</i> , 2020, 2, 2791-2801.	2.0	24
23	Evaluating the influence of paper characteristics on the efficacy of new poly(vinyl alcohol) based hydrogels for cleaning modern and ancient paper. <i>Microchemical Journal</i> , 2020, 155, 104716.	2.3	10
24	Polyvinyl alcohol based hydrogels as new tunable materials for application in the cultural heritage field. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 188, 110777.	2.5	24
25	NiO Pseudocapacitance and Optical Properties: Does The Shape Win?. <i>Materials</i> , 2020, 13, 1417.	1.3	24
26	Sustainable materials for the design of forefront printed (bio)sensors applied in agrifood sector. <i>TrAC - Trends in Analytical Chemistry</i> , 2020, 128, 115909.	5.8	25
27	A completely green approach to the synthesis of dendritic silver nanostructures starting from white grape pomace as a potential nanofactory. <i>Arabian Journal of Chemistry</i> , 2019, 12, 597-609.	2.3	27
28	Re-modeling ELISA kits embedded in an automated system suitable for on-line detection of algal toxins in seawater. <i>Sensors and Actuators B: Chemical</i> , 2019, 283, 865-872.	4.0	28
29	Sensors for biosensors: a novel tandem monitoring in a droplet towards efficient screening of robust design and optimal operating conditions. <i>Analyst</i> , 2019, 144, 2511-2522.	1.7	17
30	Biochar from Brewers'™ Spent Grain: A Green and Low-Cost Smart Material to Modify Screen-Printed Electrodes. <i>Biosensors</i> , 2019, 9, 139.	2.3	41
31	Interdisciplinary approach to develop a disposable real time monitoring tool for the cleaning of graphic artworks. Application on "Nozze di Psiche". <i>Microchemical Journal</i> , 2018, 138, 369-378.	2.3	17
32	Ruthenium and manganese metalloporphyrins modified screen-printed electrodes for bio-relevant electroactive targets. <i>Journal of Porphyrins and Phthalocyanines</i> , 2018, 22, 491-500.	0.4	7
33	Hydrolates and Gellan: An Eco-innovative Synergy for Safe Cleaning of Paper Artworks. <i>Studies in Conservation</i> , 2018, 63, 13-23.	0.6	16
34	Mechanistic modeling of cyclic voltammetry: A helpful tool for understanding biosensor principles and supporting design optimization. <i>Sensors and Actuators B: Chemical</i> , 2018, 259, 945-955.	4.0	22
35	Disposable electrochemical immunosensor for cortisol determination in human saliva. <i>Talanta</i> , 2018, 188, 50-57.	2.9	56
36	A new analytical approach to characterize the effect of $\beta$ -ray sterilization on wood. <i>Microchemical Journal</i> , 2018, 143, 493-502.	2.3	6

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37	Postharvest application of brassica meal-derived allyl-isothiocyanate to kiwifruit: effect on fruit quality, nutraceutical parameters and physiological response. <i>Journal of Food Science and Technology</i> , 2017, 54, 751-760.	1.4	14
38	Innovative chemical gels meet enzymes: A smart combination for cleaning paper artworks. <i>Journal of Colloid and Interface Science</i> , 2017, 502, 153-164.	5.0	40
39	Enhanced performances of sensors based on screen printed electrodes modified with nanosized NiO particles. <i>Electrochimica Acta</i> , 2017, 246, 580-587.	2.6	40
40	NiO morphology dependent optical and electrochemical properties. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 532, 178-182.	2.3	43
41	Towards an Immunoanalytical Systems for Hepatitis a Virus Determination. <i>Procedia Technology</i> , 2017, 27, 85-86.	1.1	4
42	Monitoring Domoic Acid in Marine Phytoplankton by Disposable Immunosensors. <i>American Journal of Plant Sciences</i> , 2017, 08, 1077-1091.	0.3	3
43	A combined approach for predicting the cytotoxic effect of drug-nanoaggregates. <i>Journal of Materials Chemistry B</i> , 2016, 4, 6516-6523.	2.9	5
44	Electronic tongue for microcystin screening in waters. <i>Biosensors and Bioelectronics</i> , 2016, 80, 154-160.	5.3	40
45	Development of a diagnostic and cleaning tool for paper artworks: a case of study. <i>Microchemical Journal</i> , 2016, 126, 32-41.	2.3	18
46	How to tune a paper cleaning process by means of modified gellan hydrogels. <i>Microchemical Journal</i> , 2016, 126, 359-367.	2.3	20
47	Electrochemical biosensors based on nanomodified screen-printed electrodes: Recent applications in clinical analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2016, 79, 114-126.	5.8	303
48	Rapid electrochemical screening methods for food safety and quality. <i>Acta IMEKO (2012)</i> , 2016, 5, 45.	0.4	1
49	New Strategy for the Cleaning of Paper Artworks: A Smart Combination of Gels and Biosensors. <i>Advances in Chemistry</i> , 2014, 2014, 1-10.	1.1	8
50	E-tongue for Ecological Monitoring Purposes: The Case of Microcystins Detection. <i>Procedia Engineering</i> , 2014, 87, 1358-1361.	1.2	6
51	Rheoreversible hydrogels in paper restoration processes: a versatile tool. <i>Chemistry Central Journal</i> , 2014, 8, 10.	2.6	13
52	Cleaning of Paper Artworks: Development of an Efficient Gel-Based Material Able to Remove Starch Paste. <i>ACS Applied Materials &amp; Interfaces</i> , 2014, 6, 16519-16528.	4.0	45
53	Gellan hydrogel as a powerful tool in paper cleaning process: A detailed study. <i>Journal of Colloid and Interface Science</i> , 2014, 416, 205-211.	5.0	66
54	Electrochemical investigation of the interaction between lysozyme-shelled microbubbles and vitamin C. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 5531-5538.	1.9	7

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55	Antimicrobial and Biosensing Ultrasound-Responsive Lysozyme-Shelled Microbubbles. <i>ACS Applied Materials &amp; Interfaces</i> , 2013, 5, 464-471.	4.0	31
56	Versatile hydrogels: an efficient way to clean paper artworks. <i>RSC Advances</i> , 2013, 3, 22896.	1.7	13
57	Development of a competitive immunoassay for the determination of cortisol in human saliva. <i>Analytical Biochemistry</i> , 2013, 434, 308-314.	1.1	25
58	Carbon Black-Modified Screen-Printed Electrodes as Electroanalytical Tools. <i>Electroanalysis</i> , 2012, 24, 743-751.	1.5	111
59	Combining a hydrogel and an electrochemical biosensor to determine the extent of degradation of paper artworks. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 1485-1489.	1.9	20
60	Oxidative species and S-glutathionyl conjugates in the apoptosis induction by allyl thiosulfate. <i>FEBS Journal</i> , 2012, 279, 154-167.	2.2	39
61	A disposable biosensor for the determination of alpha-amylase in human saliva. <i>Mikrochimica Acta</i> , 2010, 170, 243-249.	2.5	37
62	Development of a bio-electrochemical assay for AFB1 detection in olive oil. <i>Biosensors and Bioelectronics</i> , 2009, 24, 1962-1968.	5.3	89
63	AFB1-AP Conjugate for Enzyme Immunoassay of Aflatoxin B1 in Corn Samples. <i>Analytical Letters</i> , 2009, 42, 1170-1186.	1.0	9
64	An ELIME-array for detection of aflatoxin B1 in corn samples. <i>Food Control</i> , 2009, 20, 371-375.	2.8	48
65	Aflatoxin M1 determination and stability study in milk samples using a screen-printed 96-well electrochemical microplate. <i>International Dairy Journal</i> , 2009, 19, 753-758.	1.5	30
66	Receptors for organochlorine pesticides based on calixarenes. <i>Mikrochimica Acta</i> , 2008, 163, 195-202.	2.5	12
67	Development of Sensors to Trace Toxins from Dinoflagellates and Other Algae to Seafood. <i>NATO Science for Peace and Security Series A: Chemistry and Biology</i> , 2008, , 301-310.	0.5	1
68	Rapid Screening Electrochemical Methods for Aflatoxin B1 and Type A Trichothecenes: A Preliminary Study. <i>Analytical Letters</i> , 2007, 40, 1333-1346.	1.0	25
69	Enzymatic Spectrophotometric Method for Aflatoxin B Detection Based on Acetylcholinesterase Inhibition. <i>Analytical Chemistry</i> , 2007, 79, 3409-3415.	3.2	80
70	Electrochemical immunosensor array using a 96-well screen-printed microplate for aflatoxin B1 detection. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1434-1440.	5.3	170
71	A review on novel developments and applications of immunosensors in food analysis. <i>Analytica Chimica Acta</i> , 2007, 605, 111-129.	2.6	299
72	Development and Application of a Two-Phase Clean-Up System in Food Samples Prior to Fluorescence Analysis of Aflatoxins. <i>Mikrochimica Acta</i> , 2006, 153, 101-108.	2.5	9

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73	Study of a toxinâ€“alkaline phosphatase conjugate for the development of an immunosensor for tetrodotoxin determination. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 1068-1074.	1.9	47
74	Detection of Aflatoxin B1 in Barley: Comparative Study of Immunosensor and HPLC. <i>Analytical Letters</i> , 2006, 39, 1559-1572.	1.0	55
75	An electrochemical immunosensor for aflatoxin M1 determination in milk using screen-printed electrodes. <i>Biosensors and Bioelectronics</i> , 2005, 21, 588-596.	5.3	150
76	Electrochemical immunosensor for determination of aflatoxin B1 in barley. <i>Analytica Chimica Acta</i> , 2004, 520, 159-164.	2.6	81
77	Aflatoxin M1 determination in raw milk using a flow-injection immunoassay system. <i>Analytica Chimica Acta</i> , 2004, 520, 141-148.	2.6	74
78	Disposable immunosensor for the determination of domoic acid in shellfish. <i>Biosensors and Bioelectronics</i> , 2004, 20, 190-196.	5.3	67
79	Development of an Electrochemical Immunosensor for Ochratoxin A. <i>Analytical Letters</i> , 2004, 37, 1545-1558.	1.0	47
80	Amperometric separation-free immunosensor for real-time environmental monitoring. <i>Analytica Chimica Acta</i> , 2001, 427, 173-180.	2.6	47