

Germu00e1n Messina

List of Publications by Year in descending order

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68
papers

2,356
citations

201674

27
h-index

223800

46
g-index

69
all docs

69
docs citations

69
times ranked

3251
citing authors

#	ARTICLE	IF	CITATIONS
1	Immunosensor based on porous gold and reduced graphene platform for the determination of EE2 by electrochemical impedance spectroscopy. <i>Journal of Electroanalytical Chemistry</i> , 2021, 897, 115604.	3.8	8
2	Electrochemical microfluidic immunosensor based on TES-AuNPs@Fe ₃ O ₄ and CMK-8 for IgG anti-Toxocara canis determination. <i>Analytica Chimica Acta</i> , 2020, 1096, 120-129.	5.4	24
3	Microfluidic fluorescence immunosensor using ZnONFs for invasive aspergillosis determination. <i>Microchemical Journal</i> , 2020, 159, 105371.	4.5	7
4	Easily Multiplexable Immunoplatfrom to Assist Heart Failure Diagnosis through Amperometric Determination of Galectin-3. <i>Electroanalysis</i> , 2020, 32, 2775-2785.	2.9	4
5	Nanostructured electrode using CMK-8/CuNPs platform for herbicide detection in environmental samples. <i>Microchemical Journal</i> , 2020, 157, 105014.	4.5	9
6	Comparative study of different methodologies for the determination the antioxidant activity of Venezuelan propolis. <i>Microchemical Journal</i> , 2020, 158, 105244.	4.5	15
7	A nanostructured paper-based device for phenylalanine neonatal screening by LED-induced fluorescence. <i>Analytical Methods</i> , 2020, 12, 1624-1630.	2.7	9
8	Amperometric biosensor based on laccase immobilized onto a nanostructured screen-printed electrode for determination of polyphenols in propolis. <i>Microchemical Journal</i> , 2019, 144, 13-18.	4.5	50
9	Electrochemical immunosensor modified with carbon nanofibers coupled to a paper platform for the determination of gliadins in food samples. <i>Analytical Methods</i> , 2019, 11, 2170-2178.	2.7	20
10	Paper surface modification strategies employing N-SBA-15/polymer composites in bioanalytical sensor design. <i>Talanta</i> , 2019, 200, 186-192.	5.5	15
11	Nanomaterials in the Development of Biosensor and Application in the Determination of Pollutants in Water. <i>Nanotechnology in the Life Sciences</i> , 2019, , 195-215.	0.6	2
12	Serological diagnosis of Toxoplasmosis disease using a fluorescent immunosensor with chitosan-ZnO-nanoparticles. <i>Analytical Biochemistry</i> , 2019, 564-565, 116-122.	2.4	30
13	EGFR detection in extracellular vesicles of breast cancer patients through immunosensor based on silica-chitosan nanoplatfrom. <i>Talanta</i> , 2019, 194, 243-252.	5.5	28
14	Novel electrochemical sensing platform based on a nanocomposite of PVA/PVP/RGO applied to IgG anti-Toxoplasma gondii antibodies quantitation. <i>Talanta</i> , 2019, 195, 699-705.	5.5	31
15	Novel Electrochemical Paper-Based Immunocapture Assay for the Quantitative Determination of Ethinylestradiol in Water Samples. <i>Analytical Chemistry</i> , 2018, 90, 4104-4111.	6.5	60
16	Development of a nanostructured electrochemical immunosensor applied to the early detection of invasive aspergillosis. <i>Microchemical Journal</i> , 2018, 139, 394-400.	4.5	11
17	Ethinylestradiol quantification in drinking water sources using a fluorescent paper based immunosensor. <i>Microchemical Journal</i> , 2018, 141, 287-293.	4.5	14
18	Nanomaterials in fluorescent laser-based immunosensors: Review and applications. <i>Microchemical Journal</i> , 2018, 141, 308-323.	4.5	30

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19	Mesoporous immunosensor applied to zearalenone determination in <i>Amaranthus cruentus</i> seeds. <i>Microchemical Journal</i> , 2018, 141, 388-394.	4.5	21
20	Paper-based enzymatic platform coupled to screen printed graphene-modified electrode for the fast neonatal screening of phenylketonuria. <i>Clinica Chimica Acta</i> , 2018, 486, 59-65.	1.1	27
21	Graphene-based materials as solid phase extraction sorbent for chromium(VI) determination in red wine. <i>Microchemical Journal</i> , 2018, 141, 418-422.	4.5	17
22	Paper based analytical device modified with nanoporous material for the fluorescent sensing of gliadin content in different food samples. <i>Microchemical Journal</i> , 2018, 142, 78-84.	4.5	10
23	Microfluidic immunosensor based on mesoporous silica platform and CMK-3/poly-acrylamide-co-methacrylate of dihydrolipoic acid modified gold electrode for cancer biomarker detection. <i>Analytica Chimica Acta</i> , 2017, 963, 83-92.	5.4	50
24	Development of a nanostructured immunosensor for early and in situ detection of <i>Xanthomonas arboricola</i> in agricultural food production. <i>Talanta</i> , 2017, 175, 535-541.	5.5	24
25	Integrated bio-affinity nano-platform into a microfluidic immunosensor based on monoclonal bispecific trifunctional antibodies for the electrochemical determination of epithelial cancer biomarker. <i>Clinica Chimica Acta</i> , 2017, 464, 64-71.	1.1	33
26	Fluorescent immunosensor using AP-SNs and QDs for quantitation of IgG anti-Toxocara canis. <i>Microchemical Journal</i> , 2017, 130, 436-441.	4.5	12
27	Nanostructured platform integrated into a microfluidic immunosensor coupled to laser-induced fluorescence for the epithelial cancer biomarker determination. <i>Microchemical Journal</i> , 2016, 128, 18-25.	4.5	34
28	Screening for cystic fibrosis via a magnetic and microfluidic immunoassay format with electrochemical detection using a copper nanoparticle-modified gold electrode. <i>Mikrochimica Acta</i> , 2016, 183, 397-405.	5.0	9
29	Epithelial cancer biomarker EpCAM determination in peripheral blood samples using a microfluidic immunosensor based in silver nanoparticles as platform. <i>Sensors and Actuators B: Chemical</i> , 2015, 221, 248-256.	7.8	45
30	Electrochemical immunosensing using a nanostructured functional platform for determination of β -zearalanol. <i>Mikrochimica Acta</i> , 2015, 182, 531-538.	5.0	15
31	Silica nanoparticle-based microfluidic immunosensor with laser-induced fluorescence detection for the quantification of immunoreactive trypsin. <i>Analytical Biochemistry</i> , 2014, 463, 31-37.	2.4	34
32	Zinc oxide nanoparticles based microfluidic immunosensor applied in congenital hypothyroidism screening. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 4677-4684.	3.7	8
33	Electrochemical detection of a powerful estrogenic endocrine disruptor: Ethinylestradiol in water samples through bioseparation procedure. <i>Analytica Chimica Acta</i> , 2012, 723, 27-32.	5.4	48
34	Laser-induced fluorescence integrated in a microfluidic immunosensor for quantification of human serum IgG antibodies to <i>Helicobacter pylori</i> . <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 297-302.	7.8	39
35	Determination of Ochratoxin A in apples contaminated with <i>Aspergillus ochraceus</i> by using a microfluidic competitive immunosensor with magnetic nanoparticles. <i>Analyst, The</i> , 2011, 136, 2756.	3.5	44
36	A microfluidic device based on a screen-printed carbon electrode with electrodeposited gold nanoparticles for the detection of IgG anti- <i>Trypanosoma cruzi</i> antibodies. <i>Analyst, The</i> , 2011, 136, 4745.	3.5	60

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37	A combination of single-drop microextraction and open tubular capillary electrochromatography with carbon nanotubes as stationary phase for the determination of low concentration of illicit drugs in horse urine. <i>Talanta</i> , 2011, 86, 278-283.	5.5	26
38	Microfluidic-enzymatic biosensor with immobilized tyrosinase for electrochemical detection of pipemidic acid in pharmaceutical samples. <i>Journal of Electroanalytical Chemistry</i> , 2011, 651, 204-210.	3.8	20
39	Recent applications of carbon-based nanomaterials in analytical chemistry: Critical review. <i>Analytica Chimica Acta</i> , 2011, 691, 6-17.	5.4	381
40	Development of an indirect competitive enzyme-linked immunosorbent assay applied to the <i>Botrytis cinerea</i> quantification in tissues of postharvest fruits. <i>BMC Microbiology</i> , 2011, 11, 220.	3.3	10
41	Microfluidic immunosensor with gold nanoparticle platform for the determination of immunoglobulin G anti- <i>Echinococcus granulosus</i> antibodies. <i>Analytical Biochemistry</i> , 2011, 409, 98-104.	2.4	24
42	Modified paramagnetic beads in a microfluidic system for the determination of zearalenone in feedstuffs samples. <i>Food Chemistry</i> , 2011, 125, 791-796.	8.2	55
43	IgG anti-gliadin determination with an immunological microfluidic system applied to the automated diagnostic of the celiac disease. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 396, 2921-2927.	3.7	27
44	Determination of β -glucosidase activity in soils with a bioanalytical sensor modified with multiwalled carbon nanotubes. <i>Analytical and Bioanalytical Chemistry</i> , 2010, 397, 1347-1353.	3.7	30
45	Determination of the β -Glucosidase Activity in Different Soils by Pre Capillary Enzyme Assay Using Capillary Electrophoresis with Laser-Induced Fluorescence Detection. <i>Journal of Fluorescence</i> , 2010, 20, 517-523.	2.5	7
46	Determination of melatonin in wine and plant extracts by capillary electrochromatography with immobilized carboxylic multiwalled carbon nanotubes as stationary phase. <i>Electrophoresis</i> , 2010, 31, 2242-2248.	2.4	150
47	Online immunoaffinity assay using magnetic nanobeads for the determination of anti- <i>Helicobacter pylori</i> IgG in human serum. <i>Electrophoresis</i> , 2010, 31, 3475-3481.	2.4	18
48	Zearalenone determination in corn silage samples using an immunosensor in a continuous-flow/stopped-flow systems. <i>Biochemical Engineering Journal</i> , 2010, 51, 7-13.	3.6	47
49	Integrated microfluidic magnetic immunosensor for quantification of human serum IgG antibodies to <i>Helicobacter pylori</i> . <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2010, 878, 253-257.	2.3	35
50	Modified paramagnetic beads in a microfluidic system for the determination of ethinylestradiol (EE2) in river water samples. <i>Biosensors and Bioelectronics</i> , 2010, 25, 1376-1381.	10.1	60
51	Microfluidic Immunosensor with Micromagnetic Beads Coupled to Carbon-Based Screen-Printed Electrodes (SPCEs) for Determination of <i>Botrytis cinerea</i> in Tissue of Fruits. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 11201-11206.	5.2	25
52	Determination of progesterone (P4) from bovine serum samples using a microfluidic immunosensor system. <i>Talanta</i> , 2010, 80, 1986-1992.	5.5	41
53	Modified magnetic nanoparticles in an electrochemical method for the ochratoxin A determination in <i>Vitis vinifera</i> red grapes tissues. <i>Talanta</i> , 2010, 83, 651-657.	5.5	26
54	Electrochemical Study of the Antioxidant Activity and the Synergic Effect of Selenium with Natural and Synthetic Antioxidants. <i>Analytical Letters</i> , 2010, 43, 2078-2090.	1.8	9

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55	Determination of arylsulphatase and phosphatase enzyme activities in soil using screen-printed electrodes modified with multi-walled carbon nanotubes. <i>Soil Biology and Biochemistry</i> , 2009, 41, 2444-2452.	8.8	16
56	Environmental monitoring of phenolic pollutants in water by cloud point extraction prior to micellar electrokinetic chromatography. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 567-573.	3.7	16
57	Micellar electrokinetic chromatography after precapillary enzyme assay for the determination of phosphatase activity in semiarid soil. <i>Biochemical Engineering Journal</i> , 2009, 46, 121-125.	3.6	3
58	Screen-printed immunosensor modified with carbon nanotubes in a continuous-flow system for the <i>Botrytis cinerea</i> determination in apple tissues. <i>Talanta</i> , 2009, 79, 681-686.	5.5	30
59	Integrated microfluidic systems with an immunosensor modified with carbon nanotubes for detection of prostate specific antigen (PSA) in human serum samples. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1145-1151.	10.1	112
60	Different approaches for the detection of thrombin by an electrochemical aptamer-based assay coupled to magnetic beads. <i>Biosensors and Bioelectronics</i> , 2008, 23, 1602-1609.	10.1	94
61	Screen-printed enzymatic biosensor modified with carbon nanotube for the methimazole determination in pharmaceuticals formulations. <i>Sensors and Actuators B: Chemical</i> , 2008, 133, 256-262.	7.8	39
62	Microfluidic immunosensor design for the quantification of interleukin-6 in human serum samples. <i>Analytical Biochemistry</i> , 2008, 380, 262-267.	2.4	63
63	Immuno-column for on-line quantification of human serum IgG antibodies to <i>Helicobacter pylori</i> in human serum samples. <i>Talanta</i> , 2008, 76, 1077-1082.	5.5	8
64	<i>Larrea divaricata</i> Cav (Jarilla): Production of Superoxide Anion, Hydrogen Peroxide and Expression of Zymosan Receptors. <i>Immunopharmacology and Immunotoxicology</i> , 2008, 30, 489-501.	2.4	12
65	Screen-printed immunosensor for quantification of human serum IgG antibodies to <i>Helicobacter pylori</i> . <i>Sensors and Actuators B: Chemical</i> , 2007, 128, 23-30.	7.8	12
66	On-line microfluidic sensor integrated with an enzyme-modified pre-cell for the monitoring of paracetamol in pharmaceutical samples. <i>Analytica Chimica Acta</i> , 2006, 559, 152-158.	5.4	18
67	Continuous-flow/stopped-flow system using an immunobiosensor for quantification of human serum IgG antibodies to <i>Helicobacter pylori</i> . <i>Analytical Biochemistry</i> , 2005, 337, 195-202.	2.4	18
68	Continuous-flow/stopped-flow system for determination of ascorbic acid using an enzymatic rotating bioreactor. <i>Talanta</i> , 2004, 64, 1009-1017.	5.5	23