Maria Anna Messina

List of Publications by Year
in descending order

26 papers	441 citations	686830 13 h-index	713013 21 g-index
26 all docs	26 docs citations	26 times ranked	463 citing authors

#	Article	IF	Citations
1	A Capacitive Sensor, Exploiting a YSZ Functional Layer, for Ammonia Detection. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-11.	2.4	5
2	A Capacitive Readout Strategy for Ammonia Detection: Design Flow, Modeling and Simulation. , 2021, , .		4
3	New ratio as a useful marker for early diagnosis of proximal urea cycle disorders. Clinica Chimica Acta, 2021, 520, 154-159.	0.5	1
4	Neonatal Screening on Tandem Mass Spectrometry as a Powerful Tool for the Reassessment of the Prevalence of Underestimated Diseases in Newborns and Their Family Members: A Focus on Short Chain Acyl-CoA Dehydrogenase Deficiency. International Journal of Neonatal Screening, 2020, 6, 58.	1.2	4
5	An Innovative Optical Chem-Sensor Based on a Silicon Photomultipliers for the Sulfide Monitoring. Lecture Notes in Electrical Engineering, 2019, , 75-81.	0.3	0
6	A Novel Paper-Based Biosensor for Urinary Phenylalanine Measurement for PKU Therapy Monitoring. Lecture Notes in Electrical Engineering, 2019, , 195-200.	0.3	1
7	Miniaturized and multi-purpose electrochemical sensing device based on thin Ni oxides. Sensors and Actuators B: Chemical, 2018, 263, 10-19.	4.0	16
8	A Subset of Patients With Autism Spectrum Disorders Show a Distinctive Metabolic Profile by Dried Blood Spot Analyses. Frontiers in Psychiatry, 2018, 9, 636.	1.3	41
9	Expanded Newborn Screening Using Tandem Mass Spectrometry: Seven Years of Experience in Eastern Sicily. International Journal of Neonatal Screening, 2018, 4, 12.	1.2	10
10	Sulfide Species Optical Monitoring by a Miniaturized Silicon Photomultiplier. Sensors, 2018, 18, 727.	2.1	6
11	A facile method for urinary phenylalanine measurement on paper-based lab-on-chip for PKU therapy monitoring. Analyst, The, 2017, 142, 4629-4632.	1.7	22
12	Sulfidic spring in the gypsum karst system of Monte Conca (Italy): chemistry and microbiological evidences. International Journal of Speleology, 2015, 44, 125-139.	0.4	8
13	Coordination Properties of 3-Functionalised Î²-Cyclodextrins: Thermodynamic Stereoselectivity of Copper(II) Complexes of the 3-Histamine Derivative and Its Exploitation in Ligand-Exchange Capillary Electrophoresis. European Journal of Inorganic Chemistry, 2014, 2014, 377-383.	1.0	11
14	Optimisation methodology in the chiral and achiral separation in electrokinetic chromatography in the case of a multicomponent sample of dansyl amino acids. Journal of Pharmaceutical and Biomedical Analysis, 2013, 85, 55-60.	1.4	8
15	Chiral separation of amino acids derivatised with fluorescein isothiocyanate by single isomer derivatives 3-monodeoxy-3-monoamino-Î²- and Î³-cyclodextrins: the effect of the cavity size. Journal of Chromatography A, 2012, 1269, 360-365.	1.8	23
16	Diaminotrehaloseâ€¢apped Î²â€¢yclodextrin, a new member of hemispherodextrins: Synthesis, thermodynamic and spectroscopic characterization and its exploitation in chiral electrokinetic chromatography. Journal of Separation Science, 2011, 34, 70-76.	1.3	15
17	Mass spectrometry detection as an innovative and advantageous tool in ligand exchange capillary electrophoresis. Electrophoresis, 2011, 32, 1176-1181.	1.3	18
18	Application of charged single isomer derivatives of cyclodextrins in capillary electrophoresis for chiral analysis. Journal of Chromatography A, 2010, 1217, 953-967.	1.8	88

#	Article	IF	Citations
19	The Contribution of Electrospray Mass Spectrometry to the Study of Metal Complexes: The Case of Copper(II)â€“Dipeptide Systems. European Journal of Inorganic Chemistry, 2009, 2009, 2612-2620.	1.0	16
20	Synthesis and characterisation of the 3-amino-derivative of Î³-cyclodextrin, showing receptor ability and metal ion coordination properties. Tetrahedron Letters, 2008, 49, 4765-4767.	0.7	17
21	Separation and quantitation of metal ions by 4-(2-pyridylazo)resorcinol complexation in capillary electrophoresisâ€“electrospray ionisation mass spectrometry. Journal of Chromatography A, 2008, 1179, 17-23.	1.8	10
22	Synthesis and NMR characterization of Î²â€alanineâ€bridged hemispherodextrin, a very efficient chiral selector in EKC. Electrophoresis, 2007, 28, 2580-2588.	1.3	13
23	Ligand exchange capillary electrophoresis by cyclodextrin derivatives, a powerful tool for enantiomeric separations. Electrophoresis, 2006, 27, 1471-1480.	1.3	28
24	The 6-derivative of Î²-cyclodextrin with succinic acid: a new chiral selector for CD-EKC. Journal of Pharmaceutical and Biomedical Analysis, 2005, 37, 1009-1014.	1.4	32
25	Coordination properties of 3-functionalized Î²-cyclodextrins. Thermodynamic stereoselectivity of copper(ii) complexes of the A,B-diamino derivative and its exploitation in LECE. Dalton Transactions, 2005, , 2731.	1.6	28
26	Simultaneous separation of different enantiomeric pairs in capillary electrophoresis by mixing different hemispherodextrins, a very versatile class of receptors. Journal of Chromatography A, 2002, 979, 137-145.	1.8	16