Henri Nouws

List of Publications by Year
in descending order

56 papers	2,378 citations	201575 27 h-index	206029 48 g-index
58 all docs	58 docs citations	58 times ranked	2829 citing authors

#	Article	IF	Citations
1	Green production of zero-valent iron nanoparticles using tree leaf extracts. Science of the Total Environment, 2013, 445-446, 1-8.	3.9	237
2	Characterization of green zero-valent iron nanoparticles produced with tree leaf extracts. Science of the Total Environment, 2015, 533, 76-81.	3.9	171
3	Application of green zero-valent iron nanoparticles to the remediation of soils contaminated with ibuprofen. Science of the Total Environment, 2013, 461-462, 323-329.	3.9	155
4	Molecularly imprinted polymer-based electrochemical sensors for environmental analysis. Biosensors and Bioelectronics, 2021, 172, 112719.	5.3	149
5	Breast cancer biomarker (HER2-ECD) detection using a molecularly imprinted electrochemical sensor. Sensors and Actuators B: Chemical, 2018, 273, 1008-1014.	4.0	109
6	Utilization of food industry wastes for the production of zero-valent iron nanoparticles. Science of the Total Environment, 2014, 496, 233-240.	3.9	91
7	Molecularly imprinted electrochemical sensor for the point-of-care detection of a breast cancer biomarker (CA 15-3). Sensors and Actuators B: Chemical, 2018, 256, 905-912.	4.0	90
8	Electrochemical immunosensor for the analysis of the breast cancer biomarker HER2 ECD. Talanta, 2014, 129, 594-599.	2.9	86
9	Molecularly imprinted electrochemical sensor for ochratoxin A detection in food samples. Sensors and Actuators B: Chemical, 2015, 215, 107-112.	4.0	80
10	Detection of Ara h 1 (a major peanut allergen) in food using an electrochemical gold nanoparticle-coated screen-printed immunosensor. Biosensors and Bioelectronics, 2015, 64, 19-24.	5.3	76
11	Voltammetric immunosensor for the simultaneous analysis of the breast cancer biomarkers CA 15-3 and HER2-ECD. Sensors and Actuators B: Chemical, 2018, 255, 918-925.	4.0	70
12	Iron oxide/gold core/shell nanomagnetic probes and CdS biolabels for amplified electrochemical immunosensing of Salmonella typhimurium. Biosensors and Bioelectronics, 2014, 51, 195-200.	5.3	64
13	Quantum dots as nanolabels for breast cancer biomarker HER2-ECD analysis in human serum. Talanta, 2020, 208, 120430.	2.9	62
14	Celiac disease detection using a transglutaminase electrochemical immunosensor fabricated on nanohybrid screen-printed carbon electrodes. Biosensors and Bioelectronics, 2012, 31, 95-100.	5.3	59
15	Screen-Printed Electrode-Based Sensors for Food Spoilage Control: Bacteria and Biogenic Amines Detection. Biosensors, 2020, 10, 139.	2.3	49
16	Electrochemical Sensing Platforms for HER2â€ECD Breast Cancer Biomarker Detection. Electroanalysis, 2019, 31, 121-128.	1.5	47
17	Electrochemical Biosensing in Cancer Diagnostics and Followâ€up. Electroanalysis, 2018, 30, 1584-1603.	1.5	46
18	Detection of the peanut allergen Ara h 6 in foodstuffs using a voltammetric biosensing approach. Analytical and Bioanalytical Chemistry, 2015, 407, 7157-7163.	1.9	45

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19	Green zero-valent iron nanoparticles for the degradation of amoxicillin. International Journal of Environmental Science and Technology, 2017, 14, 1109-1118.	1.8	44
20	Preconcentration and sensitive determination of the anti-inflammatory drug diclofenac on a paper-based electroanalytical platform. Analytica Chimica Acta, 2019, 1074, 89-97.	2.6	43
21	Bioelectrochemically-assisted reductive dechlorination of 1,2-dichloroethane by a Dehalococcoides-enriched microbial culture. Bioresource Technology, 2015, 195, 78-82.	4.8	41
22	Amperometric enzyme sensor for the rapid determination of histamine. Analytical Methods, 2019, 11, 1264-1269.	1.3	38
23	High-performance electrochemical immunomagnetic assay for breast cancer analysis. Sensors and Actuators B: Chemical, 2020, 308, 127667.	4.0	38
24	Electroanalytical determination of paroxetine in pharmaceuticals. Journal of Pharmaceutical and Biomedical Analysis, 2006, 42, 341-346.	1.4	35
25	Immunomagnetic bead-based bioassay for the voltammetric analysis of the breast cancer biomarker HER2-ECD and tumour cells using quantum dots as detection labels. Mikrochimica Acta, 2020, 187, 184.	2.5	35
26	Electroanalytical study of the antidepressant sertraline. Journal of Pharmaceutical and Biomedical Analysis, 2005, 39, 290-293.	1.4	33
27	Electrochemical Determination of Citalopram by Adsorptive Stripping Voltammetryâ€“Determination in Pharmaceutical Products. Analytical Letters, 2006, 39, 1907-1915.	1.0	29
28	Disposable electrochemical immunosensor for analysis of cystatin C, a CKD biomarker. Talanta, 2019, 201, 211-216.	2.9	27
29	Celiac disease diagnosis and gluten-free food analytical control. Analytical and Bioanalytical Chemistry, 2010, 397, 1743-1753.	1.9	26
30	Diamine oxidase-modified screen-printed electrode for the redox-mediated determination of histamine. Journal of Analytical Science and Technology, 2020, 11, .	1.0	26
31	Squareâ€Wave Adsorptiveâ€Stripping Voltammetric Detection in the Quality Control of Fluoxetine. Analytical Letters, 2007, 40, 1131-1146.	1.0	25
32	Enrichment of Dehalococcoides mccartyi spp. from a municipal activated sludge during AQDS-mediated bioelectrochemical dechlorination of 1,2-dichloroethane to ethene. Bioresource Technology, 2016, 214, 426-431.	4.8	25
33	Electroanalytical study of fluvoxamine. Analytical and Bioanalytical Chemistry, 2005, 382, 1662-1668.	1.9	21
34	Improving the extraction of Ara h 6 (a peanut allergen) from a chocolate-based matrix for immunosensing detection: Influence of time, temperature and additives. Food Chemistry, 2017, 218, 242-248.	4.2	18
35	An electrochemical deamidated gliadin antibody immunosensor for celiac disease clinical diagnosis. Analyst, The, 2013, 138, 1956.	1.7	17
36	Salt content in bread and dough from northern Portugal: Method development and comparison. Journal of Food Composition and Analysis, 2012, 27, 14-20.	1.9	16

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37	Neutrophil gelatinase-associated lipocalin detection using a sensitive electrochemical immunosensing approach. Sensors and Actuators B: Chemical, 2020, 304, 127285.	4.0	16
38	Static and Hydrodynamic Monitoring of Citalopram Based on its Electro-oxidation Behavior at a Glassy-Carbon Surface. Analytical Letters, 2008, 41, 2171-2185.	1.0	14
39	Voltammetric analysis of mancozeb and its degradation product ethylenethiourea. Journal of Electroanalytical Chemistry, 2015, 758, 54-58.	1.9	14
40	Electrochemical Immunosensor for the Simultaneous Determination of Two Main Peanut Allergenic Proteins (Ara h 1 and Ara h 6) in Food Matrices. Foods, 2021, 10, 1718.	1.9	13
41	Electroanalytical Study of the Pesticide Asulam. International Journal of Environmental Analytical Chemistry, 2002, 82, 69-76.	1.8	12
42	Voltammetric Immunosensor to Track a Major Peanut Allergen (Ara h 1) in Food Products Employing Quantum Dot Labels. Biosensors, 2021, 11, 426.	2.3	11
43	An automatic determination of caffeine in soft drinks using flow injection system with amperometric detection. Food Additives and Contaminants, 1998, 15, 265-269.	2.0	10
44	Food allergen control: Tropomyosin analysis through electrochemical immunosensing. Food Chemistry, 2022, 396, 133659.	4.2	10
45	Bioelectrochemical Dechlorination of 1,2â€ÐCAÂwith an AQDSâ€Functionalized Cathode Serving as Electron Donor. Fuel Cells, 2017, 17, 612-617.	1.5	9
46	Impact of magnetite nanoparticles on the syntrophic dechlorination of 1,2-dichloroethane. Science of the Total Environment, 2018, 624, 17-23.	3.9	9
47	Direct Electroanalytical Determination of Fluvastatin in a Pharmaceutical Dosage Form: Batch and Flow Analysis. Analytical Letters, 2008, 41, 2794-2804.	1.0	8
48	Electrochemical detection and characterization of nanoparticles: A potential tool for environmental purposes. Current Opinion in Electrochemistry, 2020, 22, 58-64.	2.5	8
49	Tracking Arachis hypogaea Allergen in Pre-Packaged Foodstuff: A Nanodiamond-Based Electrochemical Biosensing Approach. Biosensors, 2022, 12, 429.	2.3	7
50	A Three-Dimensional Electrochemical Process for the Removal of Carbamazepine. Applied Sciences (Switzerland), 2021, 11, 6432.	1.3	5
51	Chromatographic Techniques for the Determination of Free Phenol in Foundry Resins. Analytical Letters, 2011, 44, 1536-1543.	1.0	1
52	Ecotoxicity of nanoscale zero-valent iron particles â€“ a review. VigilÃ¢ncia SanitÃ¡ria Em Debate: Sociedade, CiÃªncia & Tecnologia, 2013, 1, .	0.3	1
53	Tropomyosin Analysis in Foods Using an Electrochemical Immunosensing Approach. , 2021, 5, .		1
54	A Voltammetric Nanodiamond-Coated Screen-Printed Immunosensor for The Determination of a Peanut Allergen in Commercial Food Products. , 2021, 5, .		1

#	Article	IF	Citations
55	Nano- and Micro Material-Based Electrochemical Bioassays for the Non-Invasive Detection of HER2-ECD, a Breast Cancer Biomarker. Proceedings (mdpi), 2019, 15, 20.	0.2	0
56	Natural Magnetite Minerals Enhance 1,2-Dichloroethane Reductive Dechlorination. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.8	0