Agustn G Crevilln

List of Publications by Citations

32 papers	972 citations	16 h-index	31 g-index
35 ext. papers	1,037 ext. citations	5.3 avg, IF	4.05 L-index

#	Paper	IF	Citations
32	Direct Electrochemical Sensing and Detection of Natural Antioxidants and Antioxidant Capacity in Vitro Systems. *Electroanalysis*, **2007**, 19, 2275-2286	3	130
31	Food analysis on microfluidic devices using ultrasensitive carbon nanotubes detectors. *Analytical Chemistry*, **2007**, 79, 7408-15	7.8	113
30	Real sample analysis on microfluidic devices. *Talanta*, **2007**, 74, 342-57	6.2	106
29	Challenges of analytical microsystems. *TrAC - Trends in Analytical Chemistry*, **2006**, 25, 467-479	14.6	93
28	Towards lab-on-a-chip approaches in real analytical domains based on microfluidic chips/electrochemical multi-walled carbon nanotube platforms. *Lab on A Chip*, **2009**, 9, 346-53	7.2	79
27	Microchips for CE: breakthroughs in real-world food analysis. *Electrophoresis*, **2008**, 29, 4852-61	3.6	65
26	CE microchips: an opened gate to food analysis. *Electrophoresis*, **2007**, 28, 1002-11	3.6	64
25	Carbon nanotube disposable detectors in microchip capillary electrophoresis for water-soluble vitamin determination: analytical possibilities in pharmaceutical quality control. *Electrophoresis*, **2008**, 29, 2997-3004	3.6	57
24	The preferential electrocatalytic behaviour of graphite and multiwalled carbon nanotubes on enediol groups and their analytical implications in real domains. *Analyst, The*, **2009**, 134, 657-62	5	47
23	Electroanalytical Approach to Evaluate Antioxidant Capacity in Honeys: Proposal of an Antioxidant Index. *Electroanalysis*, **2006**, 18, 1821-1826	3	25
22	Electrochemical detection based on nanomaterials in CE and microfluidic systems. *Electrophoresis*, **2019**, 40, 113-123	3.6	22
21	Striped alloy nanowire optical reflectance barcodes prepared from a single plating solution. *Small*, **2008**, 4, 597-600	11	21
20	Development of an SDS-gel electrophoresis method on SU-8 microchips for protein separation with LIF detection: Application to the analysis of whey proteins. *Journal of Separation Science*, **2013**, 36, 2530-7	3.4	20
19	A fast and reliable route integrating calibration and analysis protocols for water-soluble vitamin determination on microchip-electrochemistry platforms. *Electrophoresis*, **2006**, 27, 5110-8	3.6	20
18	Electrochemical valveless flow microsystems for ultra fast and accurate analysis of total isoflavones with integrated calibration. *Analyst, The*, **2007**, 132, 323-9	5	17
17	Microchip-electrochemistry route for rapid screening of hydroquinone and arbutin from miscellaneous samples: Investigation of the robustness of a simple cross-injector system. *Analytica Chimica Acta*, **2006**, 562, 137-144	6.6	16
16	Derivatization agents for electrochemical detection in amino acid, peptide and protein separations: The hidden electrochemistry?. *Electrophoresis*, **2017**, 38, 2695-2703	3.6	14

15	Total □acid glycoprotein determination in serum samples using disposable screen-printed electrodes and osmium (VI) as electrochemical tag. *Talanta*, **2018**, 180, 206-210	6.2	13
14	Electrochemically Reduced Graphene Oxide-Based Screen-Printed Electrodes for Total Tetracycline Determination by Adsorptive Transfer Stripping Differential Pulse Voltammetry. *Sensors*, **2019**, 20,	3.8	11
13	Determination of Glycoproteins by Microchip Electrophoresis Using Os(VI)-Based Selective Electrochemical Tag. *Analytical Chemistry*, **2019**, 91, 10245-10250	7.8	8
12	Extraction-free colorimetric determination of thymol and carvacrol isomers in essential oils by pH-dependent formation of gold nanoparticles. *Mikrochimica Acta*, **2018**, 185, 352	5.8	8
11	On-chip single column transient isotachophoresis with free zone electrophoresis for preconcentration and separation of □lactalbumin and □lactoglobulin. *Microchemical Journal*, **2017**, 133, 600-606	4.8	7
10	Chapter 1:Carbon-based Nanomaterials in Analytical Chemistry. *RSC Detection Science*, **2018**, 1-36	0.4	5
9	Disposable carbon nanotube scaffold films for fast and reliable assessment of total □acid glycoprotein in human serum using adsorptive transfer stripping square wave voltammetry. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 1887-1894	4.4	4
8	3D-printed transmembrane glycoprotein cancer biomarker aptasensor. *Applied Materials Today*, **2021**, 24, 101153	6.6	3
7	Pump-Free Microfluidic Device for the Electrochemical Detection of □Acid Glycoprotein. *ACS Sensors*, **2021**, 6, 2998-3005	9.2	2
6	Effect of nanocellulose polymorphism on electrochemical analytical performance in hybrid nanocomposites with non-oxidized single-walled carbon nanotubes.. *Mikrochimica Acta*, **2022**, 189, 62	5.8	1
5	Electrochemical sensor for the assessment of carbohydrate deficient transferrin: Application to diagnosis of congenital disorders of glycosilation. *Biosensors and Bioelectronics*, **2021**, 179, 113098	11.8	1
4	Gold nanostructure-related non-plasmon resonance absorption band as a fingerprint of ortho-alkyl substituted phenolic compounds. *Microchemical Journal*, **2021**, 171, 106788	4.8	0
3	Monitorization of □1-Acid Glycoprotein Deglycosylation Using SU-8 Microchips Electrophoresis with LIF Detection. *Methods in Molecular Biology*, **2019**, 1972, 25-39	1.4	
2	CE/microchip electrophoresis of carbohydrates and glycoconjugates with electrochemical detection **2021**, 563-594		
1	Food Analysis by Microchip Electrophoresis. *Current and Future Developments in Food Science*, **2022**, 321-355		