Francesca Bettazzi

List of Publications by Citations

19 papers	525 citations	14 h-index	20 g-index
20 ext. papers	603 ext. citations	5.6 avg, IF	4.08 L-index

#	Paper	IF	Citations
19	Electrochemical detection of miRNA-222 by use of a magnetic bead-based bioassay. *Analytical and Bioanalytical Chemistry*, **2013**, 405, 1025-34	4.4	101
18	Trends and Perspectives in Immunosensors for Determination of Currently-Used Pesticides: The Case of Glyphosate, Organophosphates, and Neonicotinoids. *Biosensors*, **2019**, 9,	5.9	54
17	Direct determination of small RNAs using a biotinylated polythiophene impedimetric genosensor. *Biosensors and Bioelectronics*, **2017**, 87, 1012-1019	11.8	42
16	Electrochemical bioassay for the detection of TNF-α using magnetic beads and disposable screen-printed array of electrodes. *Bioanalysis*, **2013**, 5, 11-9	2.1	42
15	Strategies for the development of an electrochemical bioassay for TNF-alpha detection by using a non-immunoglobulin bioreceptor. *Talanta*, **2016**, 151, 141-147	6.2	40
14	Polydopamine: surface coating, molecular imprinting, and electrochemistry-successful applications and future perspectives in (bio)analysis. *Analytical and Bioanalytical Chemistry*, **2019**, 411, 4327-4338	4.4	38
13	Glyphosate Determination by Coupling an Immuno-Magnetic Assay with Electrochemical Sensors. *Sensors*, **2018**, 18,	3.8	26
12	Improving impedimetric nucleic acid detection by using enzyme-decorated liposomes and nanostructured screen-printed electrodes. *Analytical and Bioanalytical Chemistry*, **2016**, 408, 7271-81	4.4	25
11	Ascorbic acid-sensitized Au nanorods-functionalized nanostructured TiO2 transparent electrodes for photoelectrochemical genosensing. *Electrochimica Acta*, **2018**, 276, 389-398	6.7	24
10	One-shot screen-printed thylakoid membrane-based biosensor for the detection of photosynthetic inhibitors in discrete samples. *Analytica Chimica Acta*, **2007**, 589, 14-21	6.6	24
9	Photoelectrochemical genosensors for the determination of nucleic acid cancer biomarkers. *Current Opinion in Electrochemistry*, **2018**, 12, 51-59	7.2	18
8	Au nanoparticle in situ decorated RGO nanocomposites for highly sensitive electrochemical genosensors. *Journal of Materials Chemistry B*, **2019**, 7, 768-777	7.3	17
7	Health and carcinogenic risk evaluation for cohorts exposed to PAHs in petrochemical workplaces in Rawalpindi city (Pakistan). *International Journal of Environmental Health Research*, **2016**, 26, 37-57	3.6	16
6	Gold nanoparticles modified graphene platforms for highly sensitive electrochemical detection of vitamin C in infant food and formulae. *Food Chemistry*, **2021**, 344, 128692	8.5	15
5	Optical and Electrochemical Study of Acridine-Based Polyaza Ligands for Anion Sensing. *European Journal of Inorganic Chemistry*, **2018**, 2018, 2675-2679	2.3	12
4	Innovative Biocatalysts as Tools to Detect and Inactivate Nerve Agents. *Scientific Reports*, **2018**, 8, 13773	4.9	12
3	Development of an Electrochemical Immunoassay for the Detection of Polybrominated Diphenyl Ethers (PBDEs). *Electroanalysis*, **2016**, 28, 1817-1823	3	11

List of Publications

2	Evaluation of a QuEChERS-like extraction approach for the determination of PBDEs in mussels by immuno-assay-based screening methods. *Talanta*, **2017**, 170, 540-545	6.2	6
1	A simple and selective electrochemical magneto-assay for sea lice eDNA detection developed with a Quality by Design approach. *Science of the Total Environment*, **2021**, 791, 148111	10.2	2