

Elba Mauriz

List of Publications by Citations

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

27
papers

1,145
citations

16
h-index

31
g-index

31
ext. papers

1,275
ext. citations

5.1
avg, IF

5.01
L-index

#	Paper	IF	Citations
27	The global regulator LaeA controls penicillin biosynthesis, pigmentation and sporulation, but not roquefortine C synthesis in <i>Penicillium chrysogenum</i> . <i>Biochimie</i> , 2009 , 91, 214-25	4.6	134
26	Real-time detection of chlorpyrifos at part per trillion levels in ground, surface and drinking water samples by a portable surface plasmon resonance immunosensor. <i>Analytica Chimica Acta</i> , 2006 , 561, 40-47	6.6	129
25	Determination of carbaryl in natural water samples by a surface plasmon resonance flow-through immunosensor. <i>Biosensors and Bioelectronics</i> , 2006 , 21, 2129-36	11.8	116
24	Determination of environmental organic pollutants with a portable optical immunosensor. <i>Talanta</i> , 2006 , 69, 359-64	6.2	101
23	Part per trillion determination of atrazine in natural water samples by a surface plasmon resonance immunosensor. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 388, 207-14	4.4	87
22	Multi-analyte SPR immunoassays for environmental biosensing of pesticides. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 1449-58	4.4	86
21	Optical immunosensor for fast and sensitive detection of DDT and related compounds in river water samples. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1410-8	11.8	63
20	Proteolytic activity, mycotoxins and andrastin A in <i>Penicillium roqueforti</i> strains isolated from Cabrales, Valdeón and Bejes-Tresviso local varieties of blue-veined cheeses. <i>International Journal of Food Microbiology</i> , 2009 , 136, 18-25	5.8	56
19	Single and multi-analyte surface plasmon resonance assays for simultaneous detection of cholinesterase inhibiting pesticides. <i>Sensors and Actuators B: Chemical</i> , 2006 , 118, 399-407	8.5	52
18	Towards the design of universal immunosurfaces for SPR-based assays: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2016 , 79, 191-198	14.6	50
17	Advances in nanoplasmonic biosensors for clinical applications. <i>Analyst, The</i> , 2019 , 144, 7105-7129	5	45
16	Post-translational enzyme modification by the phosphopantetheinyl transferase is required for lysine and penicillin biosynthesis but not for roquefortine or fatty acid formation in <i>Penicillium chrysogenum</i> . <i>Biochemical Journal</i> , 2008 , 415, 317-24	3.8	38
15	Recent Progress in Plasmonic Biosensing Schemes for Virus Detection. <i>Sensors</i> , 2020 , 20,	3.8	38
14	The heterotrimeric Galpha protein pga1 regulates biosynthesis of penicillin, chrysogenin and roquefortine in <i>Penicillium chrysogenum</i> . <i>Microbiology (United Kingdom)</i> , 2008 , 154, 3567-3578	2.9	31
13	Clinical Applications of Visual Plasmonic Colorimetric Sensing. <i>Sensors</i> , 2020 , 20,	3.8	21
12	On-line determination of 3,5,6-trichloro-2-pyridinol in human urine samples by surface plasmon resonance immunosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2007 , 387, 2757-65	4.4	20
11	On-line surface plasmon resonance biosensing of vascular endothelial growth factor signaling in intact-human hepatoma cell lines. <i>Analyst, The</i> , 2014 , 139, 1426-35	5	14

10	Effects of dietary supplementation with lemon verbena extracts on serum inflammatory markers of multiple sclerosis patients. <i>Nutricion Hospitalaria</i> , 2014 , 31, 764-71	1	13
9	Low-Fouling Substrates for Plasmonic Sensing of Circulating Biomarkers in Biological Fluids. <i>Biosensors</i> , 2020 , 10,	5.9	12
8	Direct surface plasmon resonance immunosensing of pyraclostrobin residues in untreated fruit juices. <i>Analytical and Bioanalytical Chemistry</i> , 2012 , 404, 2877-86	4.4	11
7	Plasmonic Biosensors for Single-Molecule Biomedical Analysis. <i>Biosensors</i> , 2021 , 11,	5.9	11
6	. <i>Nutricion Hospitalaria</i> ,	1	
5	Effect of Psychophysiological Stress and Socio-Emotional Competencies on the Clinical Performance of Nursing Students during a Simulation Practice. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	4
4	Effect of Facial Skin Temperature on the Perception of Anxiety: A Pilot Study. <i>Healthcare (Switzerland)</i> , 2020 , 8,	3.4	1
3	Current Trends in SPR Biosensing of SARS-CoV-2 Entry Inhibitors. <i>Chemosensors</i> , 2021 , 9, 330	4	0
2	OPTICAL BIOSENSOR DEVICES AS EARLY DETECTORS OF BIOLOGICAL AND CHEMICAL WARFARE AGENTS 2006 , 119-140		
1	Critical issues in clinical and biomedical applications of surface plasmon resonance sensing. <i>Comprehensive Analytical Chemistry</i> , 2021 , 95, 339-401	1.9	