

Evangelyn C Alocilja

List of Publications by Citations

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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.

36
papers

1,067
citations

14
h-index

32
g-index

39
ext. papers

1,263
ext. citations

4.7
avg, IF

4.58
L-index

#	Paper	IF	Citations
36	Microfluidics Integrated Biosensors: A Leading Technology towards Lab-on-a-Chip and Sensing Applications. <i>Sensors</i> , 2015 , 15, 30011-31	3.8	273
35	Market analysis of biosensors for food safety. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 841-6	11.8	228
34	Gold nanoparticle-labeled biosensor for rapid and sensitive detection of bacterial pathogens. <i>Journal of Biological Engineering</i> , 2015 , 9, 16	6.3	91
33	Electrochemical biosensor for rapid and sensitive detection of magnetically extracted bacterial pathogens. <i>Biosensors</i> , 2012 , 2, 15-31	5.9	84
32	Characterization and Functionalization of Biogenic Gold Nanoparticles for Biosensing Enhancement. <i>IEEE Nanotechnology Magazine</i> , 2010 , 9, 533-538	2.6	49
31	Novel Biosensor Based on Electrospun Nanofiber and Magnetic Nanoparticles for the Detection of E. coli O157:H7. <i>IEEE Nanotechnology Magazine</i> , 2012 , 11, 676-681	2.6	39
30	Aerobic in-vessel composting versus bioreactor landfilling using life cycle inventory models. <i>Clean Technologies and Environmental Policy</i> , 2008 , 10, 39-52	4.3	32
29	Portable nuclear magnetic resonance biosensor and assay for a highly sensitive and rapid detection of foodborne bacteria in complex matrices. <i>Journal of Biological Engineering</i> , 2017 , 11, 14	6.3	28
28	Indium Tin Oxide-Polyaniline Biosensor: Fabrication and Characterization. <i>Sensors</i> , 2007 , 7, 1123-1140	3.8	27
27	Visual Detection of Dengue-1 RNA Using Gold Nanoparticle-Based Lateral Flow Biosensor. <i>Diagnostics</i> , 2019 , 9,	3.8	24
26	Electrochemical Immunosensor Using Nanoparticle-Based Signal Enhancement for Escherichia Coli O157:H7 Detection. <i>IEEE Sensors Journal</i> , 2015 , 15, 4692-4699	4	24
25	A Novel Biosensor Based on Silver-Enhanced Self-Assembled Radio-Frequency Antennas. <i>IEEE Sensors Journal</i> , 2014 , 14, 941-942	4	21
24	One step alkaline synthesis of biocompatible gold nanoparticles using dextrin as capping agent. <i>Journal of Nanoparticle Research</i> , 2011 , 13, 2843-2851	2.3	20
23	Fabrication and electroanalytical characterization of label-free DNA sensor based on direct electropolymerization of pyrrole on p-type porous silicon substrates. <i>Journal of Porous Materials</i> , 2010 , 17, 169-176	2.4	18
22	Fabrication of a Novel Conductometric Biosensor for Detecting Mycobacterium avium subsp. paratuberculosis Antibodies. <i>Sensors</i> , 2008 , 8, 6015-6025	3.8	14
21	Wireless Biosensing Using Silver-Enhancement Based Self-Assembled Antennas in Passive Radio Frequency Identification (RFID) Tags. <i>IEEE Sensors Journal</i> , 2015 , 15, 4442-4450	4	13
20	Comparison between a conductometric biosensor and ELISA in the evaluation of Johne's disease. <i>Sensors</i> , 2014 , 14, 19128-37	3.8	11

19	Spatio-Temporal Processing for Multichannel Biosensors Using Support Vector Machines. <i>IEEE Sensors Journal</i> , 2006 , 6, 1644-1651	4	11
18	Sensor technologies for anti-counterfeiting. <i>International Journal of Comparative and Applied Criminal Justice</i> , 2012 , 36, 291-304	1.1	10
17	Synthesis of a functionalized polypyrrole coated electrotextile for use in biosensors. <i>Biosensors</i> , 2012 , 2, 465-78	5.9	9
16	AuNP-RF sensor: An innovative application of RF technology for sensing pathogens electrically in liquids (SPEL) within the food supply chain. <i>Biosensors and Bioelectronics</i> , 2018 , 111, 152-158	11.8	7
15	AuNP-DNA Biosensor for Rapid Detection of Salmonella enterica Serovar Enteritidis. <i>ACS Symposium Series</i> , 2013 , 43-53	0.4	5
14	. <i>IEEE Nanotechnology Magazine</i> , 2018 , 17, 1006-1013	2.6	4
13	Self-powered wireless biosensing based on integration of paper-based microfluidics with self-assembling RFID antennas 2015 ,		4
12	Immunosensor for rapid extraction/detection of enteric pathogens 2016 , 04, 194-200		4
11	Carbohydrate Ligands on Magnetic Nanoparticles for Centrifuge-Free Extraction of Pathogenic Contaminants in Pasteurized Milk. <i>Journal of Food Protection</i> , 2018 , 81, 1941-1949	2.5	4
10	Emerging nano-biosensing with suspended MNP microbial extraction and EANP labeling. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 781-793	11.8	3
9	Optimization of electrically active magnetic nanoparticles as accurate and efficient microbial extraction tools. <i>Biosensors</i> , 2015 , 5, 69-84	5.9	3
8	FEAST of biosensors: Food, environmental and agricultural sensing technologies (FEAST) in North America. <i>Biosensors and Bioelectronics</i> , 2021 , 178, 113011	11.8	3
7	Spectral and Electrical Nanoparticle-Based Molecular Detection of Bacillus Anthracis Using Copolymer Mass Amplification. <i>IEEE Nanotechnology Magazine</i> , 2011 , 10, 44-49	2.6	1
6	Next Generation of AMR Network. <i>Encyclopedia</i> , 2021 , 1, 871-892		1
5	Detection of Unamplified E. coli O157 DNA Extracted from Large Food Samples Using a Gold Nanoparticle Colorimetric Biosensor. <i>Biosensors</i> , 2022 , 12, 274	5.9	1
4	Bioanalytical approaches for the detection, characterization, and risk assessment of micro/nanoplastics in agriculture and food systems.. <i>Analytical and Bioanalytical Chemistry</i> , 2022 , 1	4.4	0
3	The effect of 3-thiopheneacetic Acid in the polymerization of a conductive electrotextile for use in biosensor development. <i>Biosensors</i> , 2013 , 3, 286-96	5.9	
2	Microbiological Detectors for Food Safety Applications 2010 , 1		

- 1 Corrections to Carbohydrate-Functionalized Nanobiosensor for Rapid Extraction of Pathogenic Bacteria Directly From Complex Liquids With Quick Detection Using Cyclic Voltammetry *IEEE Nanotechnology Magazine*, **2019**, 18, 616-616 2.6