

Evangelyn C Alocilja

List of Publications by Year in Descending Order

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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 | 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 |
| 35 | 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 |
| 34 | FEAST of biosensors: Food, environmental and agricultural sensing technologies (FEAST) in North America. <i>Biosensors and Bioelectronics</i> , 2021 , 178, 113011 | 11.8 | 3 |
| 33 | Next Generation of AMR Network. <i>Encyclopedia</i> , 2021 , 1, 871-892 | | 1 |
| 32 | Visual Detection of Dengue-1 RNA Using Gold Nanoparticle-Based Lateral Flow Biosensor. <i>Diagnostics</i> , 2019 , 9, | 3.8 | 24 |
| 31 | Corrections to Carbohydrate-Functionalized Nanobiosensor for Rapid Extraction of Pathogenic Bacteria Directly From Complex Liquids With Quick Detection Using Cyclic Voltammetry <i>IEEE Nanotechnology Magazine</i> , 2019 , 18, 616-616 | 2.6 | |
| 30 | 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 |
| 29 | Emerging nano-biosensing with suspended MNP microbial extraction and EANP labeling. <i>Biosensors and Bioelectronics</i> , 2018 , 117, 781-793 | 11.8 | 3 |
| 28 | . <i>IEEE Nanotechnology Magazine</i> , 2018 , 17, 1006-1013 | 2.6 | 4 |
| 27 | 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 |
| 26 | 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 |
| 25 | Immunosensor for rapid extraction/detection of enteric pathogens 2016 , 04, 194-200 | | 4 |
| 24 | 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 |
| 23 | Self-powered wireless biosensing based on integration of paper-based microfluidics with self-assembling RFID antennas 2015 , | | 4 |
| 22 | Optimization of electrically active magnetic nanoparticles as accurate and efficient microbial extraction tools. <i>Biosensors</i> , 2015 , 5, 69-84 | 5.9 | 3 |
| 21 | Microfluidics Integrated Biosensors: A Leading Technology towards Lab-on-a-Chip and Sensing Applications. <i>Sensors</i> , 2015 , 15, 30011-31 | 3.8 | 273 |
| 20 | Electrochemical Immunosensor Using Nanoparticle-Based Signal Enhancement for Escherichia Coli O157:H7 Detection. <i>IEEE Sensors Journal</i> , 2015 , 15, 4692-4699 | 4 | 24 |

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|----|--|-----|----|
| 19 | Gold nanoparticle-labeled biosensor for rapid and sensitive detection of bacterial pathogens. <i>Journal of Biological Engineering</i> , 2015 , 9, 16 | 6.3 | 91 |
| 18 | A Novel Biosensor Based on Silver-Enhanced Self-Assembled Radio-Frequency Antennas. <i>IEEE Sensors Journal</i> , 2014 , 14, 941-942 | 4 | 21 |
| 17 | Comparison between a conductometric biosensor and ELISA in the evaluation of Johne's disease. <i>Sensors</i> , 2014 , 14, 19128-37 | 3.8 | 11 |
| 16 | AuNP-DNA Biosensor for Rapid Detection of Salmonella enterica Serovar Enteritidis. <i>ACS Symposium Series</i> , 2013 , 43-53 | 0.4 | 5 |
| 15 | 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 | |
| 14 | 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 |
| 13 | Sensor technologies for anti-counterfeiting. <i>International Journal of Comparative and Applied Criminal Justice</i> , 2012 , 36, 291-304 | 1.1 | 10 |
| 12 | Synthesis of a functionalized polypyrrole coated electrotextile for use in biosensors. <i>Biosensors</i> , 2012 , 2, 465-78 | 5.9 | 9 |
| 11 | Electrochemical biosensor for rapid and sensitive detection of magnetically extracted bacterial pathogens. <i>Biosensors</i> , 2012 , 2, 15-31 | 5.9 | 84 |
| 10 | 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 |
| 9 | 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 |
| 8 | Microbiological Detectors for Food Safety Applications 2010 , 1 | | |
| 7 | Characterization and Functionalization of Biogenic Gold Nanoparticles for Biosensing Enhancement. <i>IEEE Nanotechnology Magazine</i> , 2010 , 9, 533-538 | 2.6 | 49 |
| 6 | 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 |
| 5 | Fabrication of a Novel Conductometric Biosensor for Detecting Mycobacterium avium subsp. paratuberculosis Antibodies. <i>Sensors</i> , 2008 , 8, 6015-6025 | 3.8 | 14 |
| 4 | 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 |
| 3 | Indium Tin Oxide-Polyaniline Biosensor: Fabrication and Characterization. <i>Sensors</i> , 2007 , 7, 1123-1140 | 3.8 | 27 |
| 2 | Spatio-Temporal Processing for Multichannel Biosensors Using Support Vector Machines. <i>IEEE Sensors Journal</i> , 2006 , 6, 1644-1651 | 4 | 11 |

1 Market analysis of biosensors for food safety. *Biosensors and Bioelectronics*, **2003**, 18, 841-6

11.8 228