

# Daniel S. Correa

## List of Publications by Year in descending order

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Version: 2024-02-01

181  
papers

5,548  
citations

61945

43  
h-index

118793

62  
g-index

184  
all docs

184  
docs citations

184  
times ranked

6498  
citing authors

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 1  | Electrospinning-based (bio)sensors for food and agricultural applications: A review. <i>TrAC - Trends in Analytical Chemistry</i> , 2017, 91, 91-103.  | 5.8  | 204       |
| 2  | Electrospun Polyamide 6/Poly(allylamine hydrochloride) Nanofibers Functionalized with Carbon Nanotubes for Electrochemical Detection of Dopamine. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 4784-4790.          | 4.0  | 185       |
| 3  | Advances in Functional Polymer Nanofibers: From Spinning Fabrication Techniques to Recent Biomedical Applications. <i>ACS Applied Materials &amp; Interfaces</i> , 2020, 12, 45673-45701.                                      | 4.0  | 144       |
| 4  | Detection of trace levels of organophosphate pesticides using an electronic tongue based on graphene hybrid nanocomposites. <i>Talanta</i> , 2017, 167, 59-66.   | 2.9  | 140       |
| 5  | Hybrid nanomaterials designed for volatile organic compounds sensors: A review. <i>Materials and Design</i> , 2018, 156, 154-166.  | 3.3  | 128       |
| 6  | Perylene Derivatives with Large Two-Photon-Absorption Cross-Sections for Application in Optical Limiting and Upconversion Lasing. <i>Advanced Materials</i> , 2005, 17, 1890-1893.   | 11.1 | 118       |
| 7  | Detection of hydrogen peroxide (H <sub>2</sub> O <sub>2</sub> ) using a colorimetric sensor based on cellulose nanowhiskers and silver nanoparticles. <i>Carbohydrate Polymers</i> , 2019, 212, 235-241.                       | 5.1  | 112       |
| 8  | Probing Chitosan and Phospholipid Interactions Using Langmuir and Langmuir-Blodgett Films as Cell Membrane Models. <i>Langmuir</i> , 2007, 23, 7666-7671.  | 1.6  | 104       |
| 9  | A review on graphene quantum dots and their nanocomposites: from laboratory synthesis towards agricultural and environmental applications. <i>Environmental Science: Nano</i> , 2020, 7, 3710-3734.                            | 2.2  | 88        |
| 10 | Z-scan theoretical analysis for three-, four- and five-photon absorption. <i>Optics Communications</i> , 2007, 277, 440-445.   | 1.0  | 87        |
| 11 | Hybrid layer-by-layer (LbL) films of polyaniline, graphene oxide and zinc oxide to detect ammonia. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 795-801.  | 4.0  | 81        |
| 12 | One-pot preparation of PEDOT:PSS-reduced graphene decorated with Au nanoparticles for enzymatic electrochemical sensing of H <sub>2</sub> O <sub>2</sub> . <i>Applied Surface Science</i> , 2017, 407, 162-170.                | 3.1  | 79        |
| 13 | A review on chemiresistive ZnO gas sensors. <i>Sensors and Actuators Reports</i> , 2022, 4, 100100.  | 2.3  | 75        |
| 14 | Fluorescent and Colorimetric Electrospun Nanofibers for Heavy-Metal Sensing. <i>Biosensors</i> , 2017, 7, 61.  | 2.3  | 73        |
| 15 | Conductive electrospun nanofibers containing cellulose nanowhiskers and reduced graphene oxide for the electrochemical detection of mercury(II). <i>Carbohydrate Polymers</i> , 2019, 207, 747-754.                            | 5.1  | 73        |
| 16 | Electrospun Ceramic Nanofibers and Hybrid-Nanofiber Composites for Gas Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 4026-4042.  | 2.4  | 70        |
| 17 | Ultrasensitive biosensor based on polyvinylpyrrolidone/chitosan/reduced graphene oxide electrospun nanofibers for 17 $\beta$ -Ethinylestradiol electrochemical detection. <i>Applied Surface Science</i> , 2018, 458, 431-437. | 3.1  | 69        |
| 18 | A Review on the Role and Performance of Cellulose Nanomaterials in Sensors. <i>ACS Sensors</i> , 2021, 6, 2473-2496.   | 4.0  | 69        |

| #  | ARTICLE  | IF   | CITATIONS |
|----|--|------|-----------|
| 19 | Urea impedimetric biosensing using electrospun nanofibers modified with zinc oxide nanoparticles. <i>Applied Surface Science</i> , 2018, 443, 18-23.   | 3.1  | 68        |
| 20 | Polyethylene Films Containing Silver Nanoparticles for Applications in Food Packaging: Characterization of Physico-Chemical and Anti-Microbial Properties. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 2148-2156. | 0.9  | 67        |
| 21 | Nanostructured Conjugated Polymers in Chemical Sensors: Synthesis, Properties and Applications. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6509-6527.  | 0.9  | 63        |
| 22 | Two-photon absorption spectrum of the photoinitiator Lucirin TPO-L. <i>Applied Physics A: Materials Science and Processing</i> , 2008, 90, 633-636.  | 1.1  | 61        |
| 23 | Electrical detection of pathogenic bacteria in food samples using information visualization methods with a sensor based on magnetic nanoparticles functionalized with antimicrobial peptides. <i>Talanta</i> , 2019, 194, 611-618. | 2.9  | 60        |
| 24 | Femtosecond Laser in Polymeric Materials: Microfabrication of Doped Structures and Micromachining. <i>IEEE Journal of Selected Topics in Quantum Electronics</i> , 2012, 18, 176-186.  | 1.9  | 59        |
| 25 | Enhanced and selective ammonia detection using In <sub>2</sub> O <sub>3</sub> /reduced graphene oxide hybrid nanofibers. <i>Applied Surface Science</i> , 2019, 473, 133-140.  | 3.1  | 59        |
| 26 | Characterization of Buriti ( <i>Mauritia flexuosa</i> L.) oil by absorption and emission spectroscopies. <i>Journal of the Brazilian Chemical Society</i> , 2005, 16, 1113.  | 0.6  | 58        |
| 27 | Toxicity of PVA-stabilized silver nanoparticles to algae and microcrustaceans. <i>Environmental Nanotechnology, Monitoring and Management</i> , 2015, 3, 22-29.  | 1.7  | 58        |
| 28 | Two-Photon Polymerization for Fabricating Structures Containing the Biopolymer Chitosan. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 5845-5849.  | 0.9  | 55        |
| 29 | Polycaprolactone nanofiber mats decorated with photoresponsive nanogels and silver nanoparticles: Slow release for antibacterial control. <i>Materials Science and Engineering C</i> , 2020, 107, 110334.                          | 3.8  | 55        |
| 30 | Core-sheath nanostructured chitosan-based nonwovens as a potential drug delivery system for periodontitis treatment. <i>International Journal of Biological Macromolecules</i> , 2020, 142, 521-534.                               | 3.6  | 53        |
| 31 | Layer-by-Layer assembled films of chitosan and multi-walled carbon nanotubes for the electrochemical detection of 17 $\beta$ -ethinylestradiol. <i>Journal of Electroanalytical Chemistry</i> , 2015, 755, 215-220.                | 1.9  | 52        |
| 32 | Nonlinear Absorption Spectrum in MEH-PPV/Chloroform Solution: A Competition between Two-Photon and Saturated Absorption Processes. <i>Journal of Physical Chemistry B</i> , 2004, 108, 5221-5224.                                  | 1.2  | 51        |
| 33 | Investigation of the Two-Photon Absorption Cross-Section in Perylene Tetracarboxylic Derivatives: Nonlinear Spectra and Molecular Structure. <i>Journal of Physical Chemistry A</i> , 2006, 110, 6433-6438.                        | 1.1  | 50        |
| 34 | Solution blow spun PMMA nanofibers wrapped with reduced graphene oxide as an efficient dye adsorbent. <i>New Journal of Chemistry</i> , 2017, 41, 9087-9094.   | 1.4  | 50        |
| 35 | Ternary nanocomposites based on cellulose nanowhiskers, silver nanoparticles and electrospun nanofibers: Use in an electronic tongue for heavy metal detection. <i>Sensors and Actuators B: Chemical</i> , 2019, 290, 387-395.     | 4.0  | 50        |
| 36 | The Food-Materials Nexus: Next Generation Bioplastics and Advanced Materials from Agri-Food Residues. <i>Advanced Materials</i> , 2021, 33, e2102520.  | 11.1 | 50        |

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|----|---|-----|-----------|
| 37 | Modification of electrospun nylon nanofibers using layer-by-layer films for application in flow injection electronic tongue: Detection of paraoxon pesticide in corn crop. <i>Sensors and Actuators B: Chemical</i> , 2012, 171-172, 249-255. | 4.0 | 49        |
| 38 | Recent trends in nanozymes design: from materials and structures to environmental applications. <i>Materials Chemistry Frontiers</i> , 2021, 5, 7419-7451.  | 3.2 | 49        |
| 39 | Three-dimensional fabrication of optically active microstructures containing an electroluminescent polymer. <i>Applied Physics Letters</i> , 2009, 95, .  | 1.5 | 48        |
| 40 | Information Visualization and Feature Selection Methods Applied to Detect Gliadin in Gluten-Containing Foodstuff with a Microfluidic Electronic Tongue. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 19646-19652.                 | 4.0 | 47        |
| 41 | Immunosensor for Pancreatic Cancer Based on Electrospun Nanofibers Coated with Carbon Nanotubes or Gold Nanoparticles. <i>ACS Omega</i> , 2017, 2, 6975-6983.   | 1.6 | 46        |
| 42 | Nanostructured Antimicrobials in Food Packaging—Recent Advances. <i>Biotechnology Journal</i> , 2019, 14, e1900068.   | 1.8 | 46        |
| 43 | Biocompatible and Biodegradable Electrospun Nanofibrous Membranes Loaded with Grape Seed Extract for Wound Dressing Application. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-11.  | 1.5 | 45        |
| 44 | Improving the electrochemical properties of polyamide 6/polyaniline electrospun nanofibers by surface modification with ZnO nanoparticles. <i>RSC Advances</i> , 2015, 5, 73875-73881.  | 1.7 | 44        |
| 45 | Inkjet printing of UV-curable adhesive and dielectric inks for microfluidic devices. <i>Lab on A Chip</i> , 2016, 16, 70-74.  | 3.1 | 44        |
| 46 | Electrostatic Interactions Are Not Sufficient to Account for Chitosan Bioactivity. <i>ACS Applied Materials &amp; Interfaces</i> , 2010, 2, 246-251.  | 4.0 | 43        |
| 47 | Sensitive and Selective NH <sub>3</sub> Monitoring at Room Temperature Using ZnO Ceramic Nanofibers Decorated with Poly(styrene sulfonate). <i>Sensors</i> , 2018, 18, 1058.  | 2.1 | 43        |
| 48 | Tailoring the Surface Properties of Micro/Nanofibers Using 0D, 1D, 2D, and 3D Nanostructures: A Review on Post-synthesis Modification Methods. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100430.                                       | 1.9 | 42        |
| 49 | Postharvest Quality of Fresh-Cut Carrots Packaged in Plastic Films Containing Silver Nanoparticles. <i>Food and Bioprocess Technology</i> , 2016, 9, 637-649.   | 2.6 | 40        |
| 50 | Electrochemical sensor based on polyamide 6/polypyrrole electrospun nanofibers coated with reduced graphene oxide for malathion pesticide detection. <i>Materials Research Express</i> , 2020, 7, 015601.                                     | 0.8 | 40        |
| 51 | Two-photon absorption cross-section spectrum of a ß-conjugated polymer obtained using the white-light continuum Z-scan technique. <i>Applied Physics Letters</i> , 2006, 88, 021911.  | 1.5 | 39        |
| 52 | Nanoscaled Platforms Based on SiO <sub>2</sub> and Al <sub>2</sub> O <sub>3</sub> Impregnated with Potassium Permanganate Use Color Changes to Indicate Ethylene Removal. <i>Food and Bioprocess Technology</i> , 2017, 10, 1622-1630.        | 2.6 | 39        |
| 53 | Hybrid composite material based on polythiophene derivative nanofibers modified with gold nanoparticles for optoelectronics applications. <i>Journal of Materials Science</i> , 2017, 52, 1919-1929.  | 1.7 | 38        |
| 54 | Effects of environment on the photophysical characteristics of mesotetrakis methylpyridiniumyl porphyrin (TMPyP). <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2011, 79, 1532-1539.                         | 2.0 | 37        |

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|----|---|------|-----------|
| 55 | Effect of interaction with micelles on the excited-state optical properties of zinc porphyrins and J-aggregates formation. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2013, 112, 309-317. | 2.0  | 37        |
| 56 | Biocompatible electrospun nanofibers containing cloxacillin: Antibacterial activity and effect of pH on the release profile. <i>Reactive and Functional Polymers</i> , 2018, 132, 26-35.                                      | 2.0  | 37        |
| 57 | Nanofibers interfaces for biosensing: Design and applications. <i>Sensors and Actuators Reports</i> , 2021, 3, 100048.  | 2.3  | 35        |
| 58 | Excited state absorption spectrum of chlorophyll a obtained with white-light continuum. <i>Journal of Chemical Physics</i> , 2007, 126, 165102.   | 1.2  | 34        |
| 59 | Excited states absorption spectra of porphyrins – Solvent effects. <i>Chemical Physics Letters</i> , 2013, 587, 118-123.  | 1.2  | 33        |
| 60 | Layer-by-layer fabrication of AgCl/PANI hybrid nanocomposite films for electronic tongues. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 24275-24281.  | 1.3  | 33        |
| 61 | Extent of shielding by counterions determines the bactericidal activity of N,N,N-trimethyl chitosan salts. <i>Carbohydrate Polymers</i> , 2016, 137, 418-425.   | 5.1  | 33        |
| 62 | Interaction of O-acylated chitosans with biomembrane models: Probing the effects from hydrophobic interactions and hydrogen bonding. <i>Colloids and Surfaces B: Biointerfaces</i> , 2014, 114, 53-59.                        | 2.5  | 32        |
| 63 | Low molecular-weight chitosans are stronger biomembrane model perturbants. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 104, 48-53.  | 2.5  | 31        |
| 64 | Design of A Low-Cost and Disposable Paper-Based Immunosensor for the Rapid and Sensitive Detection of Aflatoxin B1. <i>Chemosensors</i> , 2020, 8, 87.  | 1.8  | 31        |
| 65 | Three- and Four-Photon Excitation of Poly(2-methoxy-5-(2-ethylhexyloxy)-1,4-phenylenevinylene) (MEH-PPV). <i>Advanced Materials</i> , 2007, 19, 2653-2656.  | 11.1 | 30        |
| 66 | Fluorescent PMMA/MEH-PPV electrospun nanofibers: Investigation of morphology, solvent, and surfactant effect. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 1388-1394.                               | 2.4  | 30        |
| 67 | Bio-inspired sensor for insect pheromone analysis based on polyaniline functionalized AFM cantilever sensor. <i>Sensors and Actuators B: Chemical</i> , 2014, 191, 643-649.   | 4.0  | 30        |
| 68 | An electronic tongue based on conducting electrospun nanofibers for detecting tetracycline in milk samples. <i>RSC Advances</i> , 2016, 6, 103740-103746.   | 1.7  | 30        |
| 69 | Ultrafast Laser Pulses for Structuring Materials at Micro/Nano Scale: From Waveguides to Superhydrophobic Surfaces. <i>Photonics</i> , 2017, 4, 8.  | 0.9  | 30        |
| 70 | Optical sensor based on fluorescent PMMA/PFO electrospun nanofibers for monitoring volatile organic compounds. <i>Journal of Applied Polymer Science</i> , 2018, 135, 46128.  | 1.3  | 29        |
| 71 | Wireless Tags with Hybrid Nanomaterials for Volatile Amine Detection. <i>ACS Sensors</i> , 2021, 6, 2457-2464.  | 4.0  | 29        |
| 72 | Femtosecond laser micromachining of polylactic acid/graphene composites for designing interdigitated microelectrodes for sensor applications. <i>Optics and Laser Technology</i> , 2018, 101, 74-79.                          | 2.2  | 28        |

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|----|---|-----|-----------|
| 73 | Silk fibroin organization induced by chitosan in layer-by-layer films: Application as a matrix in a biosensor. <i>Carbohydrate Polymers</i> , 2017, 155, 146-151.   | 5.1 | 27        |
| 74 | Electronic nose based on hybrid free-standing nanofibrous mats for meat spoilage monitoring. <i>Sensors and Actuators B: Chemical</i> , 2022, 353, 131114.  | 4.0 | 27        |
| 75 | Fabrication of zinc oxide nanowires/polymer composites by two-photon polymerization. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 333-337.  | 2.4 | 26        |
| 76 | Experimental evidence for the mode of action based on electrostatic and hydrophobic forces to explain interaction between chitosans and phospholipid Langmuir monolayers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2016, 145, 201-207. | 2.5 | 26        |
| 77 | ZnO-Co <sub>3</sub> O <sub>4</sub> heterostructure electrospun nanofibers modified with poly(sodium 4-styrenesulfonate): Evaluation of humidity sensing properties. <i>Journal of Alloys and Compounds</i> , 2018, 767, 1022-1029.            | 2.8 | 26        |
| 78 | Detection of a SARS-CoV-2 sequence with genosensors using data analysis based on information visualization and machine learning techniques. <i>Materials Chemistry Frontiers</i> , 2021, 5, 5658-5670.  | 3.2 | 26        |
| 79 | Smart choices: Mechanisms of intelligent food packaging. <i>Current Research in Food Science</i> , 2021, 4, 932-936.  | 2.7 | 26        |
| 80 | Femtosecond laser processing of glassy and polymeric matrices containing metals and semiconductor nanostructures. <i>Optical Materials</i> , 2013, 35, 2643-2648.   | 1.7 | 25        |
| 81 | Electronic Tongue Based on Nanostructured Hybrid Films of Gold Nanoparticles and Phthalocyanines for Milk Analysis. <i>Journal of Nanomaterials</i> , 2015, 2015, 1-7.  | 1.5 | 25        |
| 82 | Voltammetric cadmium(II) sensor based on a fluorine doped tin oxide electrode modified with polyamide 6/chitosan electrospun nanofibers and gold nanoparticles. <i>Mikrochimica Acta</i> , 2017, 184, 1077-1084.                              | 2.5 | 25        |
| 83 | Reverse saturable absorption in chlorophyll A solutions. <i>Applied Physics B: Lasers and Optics</i> , 2002, 74, 559-561.   | 1.1 | 24        |
| 84 | Graphene Quantum Dots-Based Nanocomposites Applied in Electrochemical Sensors: A Recent Survey. <i>Electrochem</i> , 2021, 2, 490-519.  | 1.7 | 24        |
| 85 | Experimental and theoretical study of two-photon absorption in nitrofurans derivatives: Promising compounds for photochemotherapy. <i>Journal of Chemical Physics</i> , 2011, 134, 014509.  | 1.2 | 23        |
| 86 | Emission features of microstructures fabricated by two-photon polymerization containing three organic dyes. <i>Optical Materials Express</i> , 2012, 2, 1803.   | 1.6 | 23        |
| 87 | Controlled Release of Silver Nanoparticles Contained in Photoresponsive Nanogels. <i>ACS Applied Bio Materials</i> , 2019, 2, 644-653.  | 2.3 | 23        |
| 88 | Fabrication of random and aligned electrospun nanofibers containing graphene oxide for skeletal muscle cells scaffold. <i>Polymers for Advanced Technologies</i> , 2020, 31, 1437-1443.   | 1.6 | 23        |
| 89 | Bilayered electrospun membranes composed of poly(lactic-acid)/natural rubber: A strategy against curcumin photodegradation for wound dressing application. <i>Reactive and Functional Polymers</i> , 2021, 163, 104889.                       | 2.0 | 23        |
| 90 | Cytotoxic and genotoxic effects of silver nanoparticle/carboxymethyl cellulose on <i>Allium cepa</i> . <i>Environmental Monitoring and Assessment</i> , 2017, 189, 352.   | 1.3 | 22        |

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|-----|---|-----|-----------|
| 91  | Impedimetric electronic tongue based on molybdenum disulfide and graphene oxide for monitoring antibiotics in liquid media. <i>Talanta</i> , 2020, 217, 121039.   | 2.9 | 21        |
| 92  | Carnauba wax nanoemulsion applied as an edible coating on fresh tomato for postharvest quality evaluation. <i>Heliyon</i> , 2022, 8, e09803.  | 1.4 | 21        |
| 93  | Optical birefringence induced by two-photon absorption in polythiophene bearing an azochromophore. <i>Polymer</i> , 2008, 49, 1562-1566.  | 1.8 | 20        |
| 94  | Electrochemical Detection of Bisphenol A by Tyrosinase Immobilized on Electrospun Nanofibers Decorated with Gold Nanoparticles. <i>Electrochem</i> , 2021, 2, 41-49.  | 1.7 | 20        |
| 95  | Indirect doping of microstructures fabricated by two-photon polymerization with gold nanoparticles. <i>Optics Express</i> , 2012, 20, 21107.  | 1.7 | 19        |
| 96  | Free-standing SiO <sub>2</sub> /TiO <sub>2</sub> –MoS <sub>2</sub> composite nanofibrous membranes as nanoadsorbents for efficient Pb(II) removal. <i>New Journal of Chemistry</i> , 2020, 44, 13030-13035.                               | 1.4 | 19        |
| 97  | Composite nanofibers membranes produced by solution blow spinning modified with CO <sub>2</sub> -activated sugarcane bagasse fly ash for efficient removal of water pollutants. <i>Journal of Cleaner Production</i> , 2021, 285, 125376. | 4.6 | 19        |
| 98  | Discriminative detection of volatile organic compounds using an electronic nose based on TiO <sub>2</sub> hybrid nanostructures. <i>Sensors and Actuators B: Chemical</i> , 2021, 344, 130124.  | 4.0 | 19        |
| 99  | Rational hydrothermal synthesis of graphene quantum dots with optimized luminescent properties for sensing applications. <i>Materials Today Chemistry</i> , 2022, 23, 100755.   | 1.7 | 19        |
| 100 | Combining Coaxial Electrospinning and 3D Printing: Design of Biodegradable Bilayered Membranes with Dual Drug Delivery Capability for Periodontitis Treatment. <i>ACS Applied Bio Materials</i> , 2022, 5, 146-159.                       | 2.3 | 19        |
| 101 | Investigation of nanotoxicological effects of nanostructured hydroxyapatite to microalgae <i>Pseudokirchneriella subcapitata</i> . <i>Ecotoxicology and Environmental Safety</i> , 2017, 144, 138-147.                                    | 2.9 | 18        |
| 102 | Electronic Tongues for Inedible Media. <i>Sensors</i> , 2019, 19, 5113.   | 2.1 | 18        |
| 103 | Potentiometric E-Tongue System for Geosmin/Isoborneol Presence Monitoring in Drinkable Water. <i>Sensors</i> , 2020, 20, 821.   | 2.1 | 18        |
| 104 | Current progress in plant pathogen detection enabled by nanomaterials-based (bio)sensors. <i>Sensors and Actuators Reports</i> , 2022, 4, 100068.   | 2.3 | 18        |
| 105 | Taste-masked nanoparticles containing Saquinavir for pediatric oral administration. <i>Materials Science and Engineering C</i> , 2020, 117, 111315.   | 3.8 | 17        |
| 106 | Random laser in dye-doped electrospun nanofibers: Study of laser mode dynamics via temporal mapping of emission spectra using Pearson's correlation. <i>Journal of Luminescence</i> , 2020, 224, 117281.                                  | 1.5 | 17        |
| 107 | Cellulose Whiskers Influence the Morphology and Antibacterial Properties of Silver Nanoparticles Composites. <i>Journal of Nanoscience and Nanotechnology</i> , 2018, 18, 4876-4883.  | 0.9 | 16        |
| 108 | Two-dimensional MoS <sub>2</sub> -based impedimetric electronic tongue for the discrimination of endocrine disrupting chemicals using machine learning. <i>Sensors and Actuators B: Chemical</i> , 2021, 336, 129696.                     | 4.0 | 16        |

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|-----|---|-----|-----------|
| 109 | Visually imperceptible mechanical damage of harvested tomatoes changes ethylene production, color, enzyme activity, and volatile compounds profile. <i>Postharvest Biology and Technology</i> , 2021, 176, 111503.    | 2.9 | 16        |
| 110 | Two-photon excitation and optical limiting in polyfluorene derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2012, 50, 148-153.   | 2.4 | 15        |
| 111 | Efavirenz dissolution enhancement III: Colloid milling, pharmacokinetics and electronic tongue evaluation. <i>European Journal of Pharmaceutical Sciences</i> , 2017, 99, 310-317.                                    | 1.9 | 15        |
| 112 | A flexible and disposable poly(sodium 4-styrenesulfonate)/polyaniline coated glass microfiber paper for sensitive and selective detection of ammonia at room temperature. <i>Synthetic Metals</i> , 2017, 233, 22-27. | 2.1 | 15        |
| 113 | Advances in 3D printed sensors for food analysis. <i>TrAC - Trends in Analytical Chemistry</i> , 2022, 154, 116672.   | 5.8 | 15        |
| 114 | Cantilever Nanobiosensor Functionalized with Tyrosinase for Detection of Estrone and $17\beta$ -estradiol in Water. <i>Applied Biochemistry and Biotechnology</i> , 2020, 190, 1512-1524.                             | 1.4 | 14        |
| 115 | Two-photon absorption in oxazole derivatives: An experimental and quantum chemical study. <i>Optical Materials</i> , 2012, 34, 1013-1018.   | 1.7 | 13        |
| 116 | The Effect of ZnO Nanoparticles Morphology on the Toxicity Towards Microalgae <i>Pseudokirchneriella subcapitata</i> . <i>Journal of Nanoscience and Nanotechnology</i> , 2020, 20, 48-63.                            | 0.9 | 13        |
| 117 | Nanochitin-based composite films as a disposable ethanol sensor. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104163.  | 3.3 | 13        |
| 118 | Development of an Electronic Tongue Based on a Nanocomposite for Discriminating Flavor Enhancers and Commercial Salts. <i>IEEE Sensors Journal</i> , 2021, 21, 1250-1256.   | 2.4 | 13        |
| 119 | Characterization of two- and three-photon absorption of polyfluorene derivatives. <i>Journal of Polymer Science, Part B: Polymer Physics</i> , 2014, 52, 747-754.   | 2.4 | 12        |
| 120 | Direct laser writing by two-photon polymerization as a tool for developing microenvironments for evaluation of bacterial growth. <i>Materials Science and Engineering C</i> , 2014, 35, 185-189.                      | 3.8 | 12        |
| 121 | Chemical sensors based on hybrid nanomaterials for food analysis. , 2017, , 205-244.  |     | 12        |
| 122 | Starch:Pectin Acidic Sachets Development for Hydroxyapatite Nanoparticles Storage to Improve Phosphorus Release. <i>Journal of Polymers and the Environment</i> , 2019, 27, 794-802.                                  | 2.4 | 12        |
| 123 | Dye Adsorption Capacity of MoS <sub>2</sub> Nanoflakes Immobilized on Poly(lactic acid) Fibrous Membranes. <i>ACS Applied Nano Materials</i> , 2021, 4, 4881-4894.  | 2.4 | 12        |
| 124 | Birefringent microstructures fabricated by two-photon polymerization containing an azopolymer. <i>Optical Materials Express</i> , 2013, 3, 21.  | 1.6 | 11        |
| 125 | Femtosecond laser ablation of gold interdigitated electrodes for electronic tongues. <i>Optics and Laser Technology</i> , 2015, 69, 148-153.  | 2.2 | 11        |
| 126 | Excited-state absorption of meso-tetrasulfonatophenyl porphyrin: Effects of pH and micelles. <i>Optical Materials</i> , 2015, 42, 516-521.  | 1.7 | 11        |



| #   | ARTICLE   | IF  | CITATIONS |
|-----|---|-----|-----------|
| 127 | Acylated Carrageenan Changes the Physicochemical Properties of Mixed Enzyme-Lipid Ultrathin Films and Enhances the Catalytic Properties of Sucrose Phosphorylase Nanostructured as Smart Surfaces. <i>Journal of Physical Chemistry B</i> , 2016, 120, 5359-5366. | 1.2 | 11        |
| 128 | Femtosecond lasers for processing glassy and polymeric materials. <i>Materials Research</i> , 2014, 17, 352-358.  | 0.6 | 10        |
| 129 | Tuning the Electrical Properties of Electrospun Nanofibers with Hybrid Nanomaterials for Detecting Isoborneol in Water Using an Electronic Tongue. <i>Surfaces</i> , 2019, 2, 432-443.  | 1.0 | 10        |
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