

# Eden Morales-Narvaez

## 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.

49  
papers

2,591  
citations

25  
h-index

50  
g-index

56  
ext. papers

2,932  
ext. citations

10.4  
avg, IF

5.99  
L-index

| #  | Paper   | IF   | Citations |
|----|---|------|-----------|
| 49 | Graphene oxide as an optical biosensing platform. <i>Advanced Materials</i> , <b>2012</b> , 24, 3298-308  | 24   | 398       |
| 48 | Nanocellulose in Sensing and Biosensing. <i>Chemistry of Materials</i> , <b>2017</b> , 29, 5426-5446  | 9.6  | 240       |
| 47 | Nanopaper as an Optical Sensing Platform. <i>ACS Nano</i> , <b>2015</b> , 9, 7296-305   | 16.7 | 169       |
| 46 | The impact of biosensing in a pandemic outbreak: COVID-19. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 163, 112274   | 11.8 | 160       |
| 45 | Photoluminescent lateral-flow immunoassay revealed by graphene oxide: highly sensitive paper-based pathogen detection. <i>Analytical Chemistry</i> , <b>2015</b> , 87, 8573-7                           | 7.8  | 132       |
| 44 | Graphene-Based Biosensors: Going Simple. <i>Advanced Materials</i> , <b>2017</b> , 29, 1604905  | 24   | 117       |
| 43 | Molecularly Imprinted Polymer-Decorated Magnetite Nanoparticles for Selective Sulfonamide Detection. <i>Analytical Chemistry</i> , <b>2016</b> , 88, 3578-84  | 7.8  | 111       |
| 42 | Micro and nanomotors in diagnostics. <i>Advanced Drug Delivery Reviews</i> , <b>2015</b> , 95, 104-16   | 18.5 | 107       |
| 41 | Graphene Quantum Dots-based Photoluminescent Sensor: A Multifunctional Composite for Pesticide Detection. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2015</b> , 7, 20272-9                      | 9.5  | 99        |
| 40 | Simple Förster resonance energy transfer evidence for the ultrahigh quantum dot quenching efficiency by graphene oxide compared to other carbon structures. <i>Carbon</i> , <b>2012</b> , 50, 2987-2993 | 10.4 | 92        |
| 39 | Micromotor enhanced microarray technology for protein detection. <i>Small</i> , <b>2014</b> , 10, 2542-8  | 11   | 91        |
| 38 | On-chip magneto-immunoassay for Alzheimer's biomarker electrochemical detection by using quantum dots as labels. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 54, 279-84                        | 11.8 | 79        |
| 37 | Graphene-encapsulated materials: Synthesis, applications and trends. <i>Progress in Materials Science</i> , <b>2017</b> , 86, 1-24  | 42.2 | 60        |
| 36 | In Situ Production of Biofunctionalized Few-Layer Defect-Free Microsheets of Graphene. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 2771-2779   | 15.6 | 57        |
| 35 | Straightforward Immunosensing Platform Based on Graphene Oxide-Decorated Nanopaper: A Highly Sensitive and Fast Biosensing Approach. <i>Advanced Functional Materials</i> , <b>2017</b> , 27, 1702741   | 15.6 | 57        |
| 34 | Signal enhancement in antibody microarrays using quantum dots nanocrystals: application to potential Alzheimer's disease biomarker screening. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 6821-7    | 7.8  | 56        |
| 33 | Graphene oxide as a pathogen-revealing agent: sensing with a digital-like response. <i>Angewandte Chemie - International Edition</i> , <b>2013</b> , 52, 13779-83                                       | 16.4 | 51        |

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|----|---|------|----|
| 32 | Modulation of population density and size of silver nanoparticles embedded in bacterial cellulose via ammonia exposure: visual detection of volatile compounds in a piece of plasmonic nanopaper. <i>Nanoscale</i> , <b>2016</b> , 8, 7984-91 | 7.7  | 48 |
| 31 | Graphene-based hybrid for enantioselective sensing applications. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 87, 410-416   | 11.8 | 48 |
| 30 | Graphene Oxide as an Optical Biosensing Platform: A Progress Report. <i>Advanced Materials</i> , <b>2019</b> , 31, e1805043   | 24   | 47 |
| 29 | Nanomaterials connected to antibodies and molecularly imprinted polymers as bio/receptors for bio/sensor applications. <i>Applied Materials Today</i> , <b>2017</b> , 9, 387-401  | 6.6  | 44 |
| 28 | Electrocatalytic tuning of biosensing response through electrostatic or hydrophobic enzyme-graphene oxide interactions. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 61, 655-62   | 11.8 | 37 |
| 27 | Validity of a single antibody-based lateral flow immunoassay depending on graphene oxide for highly sensitive determination of E. coli O157:H7 in minced beef and river water. <i>Food Chemistry</i> , <b>2019</b> , 297, 124965              | 8.5  | 35 |
| 26 | Photoluminescent lateral flow based on non-radiative energy transfer for protein detection in human serum. <i>Biosensors and Bioelectronics</i> , <b>2018</b> , 100, 208-213  | 11.8 | 27 |
| 25 | On-the-Spot Immobilization of Quantum Dots, Graphene Oxide, and Proteins via Hydrophobins. <i>Advanced Functional Materials</i> , <b>2015</b> , 25, 6084-6092   | 15.6 | 27 |
| 24 | Microorganism-decorated nanocellulose for efficient diuron removal. <i>Chemical Engineering Journal</i> , <b>2018</b> , 354, 1083-1091  | 14.7 | 23 |
| 23 | Simple, Flexible, and Ultrastable Surface Enhanced Raman Scattering Substrate Based on Plasmonic Nanopaper Decorated with Graphene Oxide. <i>Advanced Optical Materials</i> , <b>2018</b> , 6, 1800548  | 8.1  | 22 |
| 22 | Nanoplasmonics in Paper-Based Analytical Devices. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2019</b> , 7, 69  | 5.8  | 20 |
| 21 | Wearable Nanoplasmonic Patch Detecting Sun/UV Exposure. <i>Analytical Chemistry</i> , <b>2017</b> , 89, 13589-13595   | 5.8  | 19 |
| 20 | Production of biofunctionalized MoS <sub>2</sub> flakes with rationally modified lysozyme: a biocompatible 2D hybrid material. <i>2D Materials</i> , <b>2017</b> , 4, 035007  | 5.9  | 15 |
| 19 | Transforming nature into the next generation of bio-based flexible devices: New avenues using deep eutectic systems. <i>Matter</i> , <b>2021</b> , 4, 2141-2162   | 12.7 | 11 |
| 18 | Paper-based analytical devices in environmental applications and their integration with portable technologies. <i>Current Opinion in Environmental Science and Health</i> , <b>2019</b> , 10, 1-8   | 8.1  | 10 |
| 17 | Microwell plates coated with graphene oxide enable advantageous real-time immunosensing platform. <i>Biosensors and Bioelectronics</i> , <b>2020</b> , 165, 112319  | 11.8 | 10 |
| 16 | Real-Time Photoluminescent Biosensing Based on Graphene Oxide-Coated Microplates: A Rapid Pathogen Detection Platform. <i>Analytical Chemistry</i> , <b>2020</b> , 92, 11511-11515  | 7.8  | 10 |
| 15 | Bioluminescent nanopaper for rapid screening of toxic substances. <i>Nano Research</i> , <b>2018</b> , 11, 114-125  | 10   | 10 |

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|----|--|------|---|
| 14 | Graphene Oxide as a Pathogen-Revealing Agent: Sensing with a Digital-Like Response. <i>Angewandte Chemie</i> , <b>2013</b> , 125, 14024-14028  | 3.6  | 7 |
| 13 | Smartphone and Paper-Based Fluorescence Reader: A Do It Yourself Approach. <i>Biosensors</i> , <b>2020</b> , 10,   | 5.9  | 6 |
| 12 | Plasmonic colored nanopaper: a potential preventive healthcare tool against threats emerging from uncontrolled UV exposure. <i>JPhys Photonics</i> , <b>2019</b> , 1, 04LT01                                       | 2.5  | 6 |
| 11 | Toward Smart Diagnostics in a Pandemic Scenario: COVID-19. <i>Frontiers in Bioengineering and Biotechnology</i> , <b>2021</b> , 9, 637203  | 5.8  | 5 |
| 10 | Unambiguous refractive-index measurement in a wide dynamic-range using a hybrid fiber Fabry-Perot interferometer assisted by a fiber Bragg grating. <i>Optics and Laser Technology</i> , <b>2020</b> , 128, 106236 | 4.2  | 5 |
| 9  | Nanophotonic Sialidase Immunoassay for Bacterial Vaginosis Diagnosis. <i>ACS Pharmacology and Translational Science</i> , <b>2021</b> , 4, 365-371   | 5.9  | 5 |
| 8  | On-Site Detection of Carcinoembryonic Antigen in Human Serum. <i>Biosensors</i> , <b>2021</b> , 11,  | 5.9  | 3 |
| 7  | (Nano)tag-antibody conjugates in rapid tests. <i>Journal of Materials Chemistry B</i> , <b>2021</b> , 9, 5414-5438   | 7.3  | 3 |
| 6  | Nanocellulose in Wearable Sensors <b>2022</b> , 100009   |      | 3 |
| 5  | Facile Determination of COVID-19 Seroconversion via Nonradiative Energy Transfer. <i>ACS Sensors</i> , <b>2021</b> , 6, 2136-2140  | 9.2  | 2 |
| 4  | Implementation of an inexpensive cathodoluminescence and electron beam induced current image generator coupled to a scanning electron microscope. <i>Journal of Instrumentation</i> , <b>2021</b> , 16, P04005     | 1    | 1 |
| 3  | Graphene oxide biohybrid layer enhances sensitivity and anticorrosive properties in refractive index sensor. <i>JPhys Photonics</i> , <b>2021</b> , 3, 034009  | 2.5  | 1 |
| 2  | Toward smart diagnosis of pandemic infectious diseases using wastewater-based epidemiology.. <i>TrAC - Trends in Analytical Chemistry</i> , <b>2022</b> , 116635   | 14.6 | 0 |
| 1  | Medical Nanobiosensors. <i>Nanostructure Science and Technology</i> , <b>2014</b> , 117-143  | 0.9  |   |