

# Roana Melina de Oliveira Hansen

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/332156/publications.pdf>

Version: 2024-02-01

21  
papers

142  
citations

1307366

7  
h-index

1199470

12  
g-index

22  
all docs

22  
docs citations

22  
times ranked

192  
citing authors

| #  | ARTICLE   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Breath Biomarkers as Disease Indicators: Sensing Techniques Approach for Detecting Breath Gas and COVID-19. Chemosensors, 2022, 10, 167.                                | 1.8 | 8         |
| 2  | High-Speed and High-Temperature Calorimetric Solid-State Thermal Mass Flow Sensor for Aerospace Application: A Sensitivity Analysis. Sensors, 2022, 22, 3484.           | 2.1 | 4         |
| 3  | Novel cadaverine non-invasive biosensor technology for the prediction of shelf life of modified atmosphere packed pork cutlets. Meat Science, 2022, 192, 108876.        | 2.7 | 6         |
| 4  | Potential of novel cadaverine biosensor technology to predict shelf life of chilled yellowfin tuna (Thunnus albacares). Food Control, 2021, 119, 107458.                | 2.8 | 14        |
| 5  | Surface Modification Enabling Reproducible Cantilever Functionalization for Industrial Gas Sensors. Sensors, 2021, 21, 6041.  | 2.1 | 4         |
| 6  | Functionalized Surfaces as a Tool for Virus Sensing: A Demonstration of Human mastadenovirus Detection in Environmental Waters. Chemosensors, 2021, 9, 19.              | 1.8 | 1         |
| 7  | Meat and fish freshness evaluation by functionalized cantilever-based biosensors. Microsystem Technologies, 2020, 26, 867-871.  | 1.2 | 15        |
| 8  | Optimizing Piezoelectric Cantilever Design for Electronic Nose Applications. Chemosensors, 2020, 8, 114.  | 1.8 | 8         |
| 9  | Micro-cantilevers for optical sensing of biogenic amines. Microsystem Technologies, 2018, 24, 363-369.  | 1.2 | 7         |
| 10 | Magnetic films for electromagnetic actuation in MEMS switches. Microsystem Technologies, 2018, 24, 1987-1994.   | 1.2 | 14        |
| 11 | On-chip immunomagnetic separation of bacteria by in-flow dynamic manipulation of paramagnetic beads. Applied Physics A: Materials Science and Processing, 2016, 122, 1. | 1.1 | 2         |
| 12 | Functionalizing micro-cantilevers for meat degradation measurements. , 2016, , .  |     | 2         |
| 13 | Flexible organic solar cells including efficiency enhancing grating structures. Nanotechnology, 2013, 24, 145301.   | 1.3 | 21        |
| 14 | Flexible PCPDTBT:PCBM solar cells with integrated grating structures. Proceedings of SPIE, 2013, , .  | 0.8 | 0         |
| 15 | AC-driven light emission from in situ grown organic nanofibers. , 2012, , .   |     | 1         |
| 16 | Efficiency enhancement of ITO-free organic polymeric solar cells by light trapping. Proceedings of SPIE, 2012, , .  | 0.8 | 0         |
| 17 | In situ "Directed Growth of Organic Nanofibers and Nanoflakes: Electrical and Morphological Properties. Nanoscale Research Letters, 2011, 6, 11.                        | 3.1 | 15        |
| 18 | Light-emission from in-situ grown organic nanostructures. Proceedings of SPIE, 2011, , .  | 0.8 | 1         |

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 19 | Optical properties of microstructured surface-grown and transferred organic nanofibers. Journal of Nanophotonics, 2011, 5, 051701. | 0.4 | 6         |
| 20 | Electrical properties of in-situ grown and transferred organic nanofibers. Proceedings of SPIE, 2010, , .                          | 0.8 | 0         |
| 21 | Pinning of organic nanofiber surface growth. Nanoscale, 2010, 2, 134-138.  | 2.8 | 10        |