

# Lourdes Rivas

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3118687/publications.pdf>

Version: 2024-02-01

21  
papers

1,080  
citations

567144

15  
h-index

713332

21  
g-index

22  
all docs

22  
docs citations

22  
times ranked

1632  
citing authors

#	ARTICLE	IF	CITATIONS
1	Tutorial: design and fabrication of nanoparticle-based lateral-flow immunoassays. <i>Nature Protocols</i> , 2020, 15, 3788-3816.	5.5	235
2	Label-Free Impedimetric Aptasensor for Ochratoxin-A Detection Using Iridium Oxide Nanoparticles. <i>Analytical Chemistry</i> , 2015, 87, 5167-5172.	3.2	208
3	Improving sensitivity of gold nanoparticle-based lateral flow assays by using wax-printed pillars as delay barriers of microfluidics. <i>Lab on A Chip</i> , 2014, 14, 4406-4414.	3.1	160
4	Triple lines gold nanoparticle-based lateral flow assay for enhanced and simultaneous detection of Leishmania DNA and endogenous control. <i>Nano Research</i> , 2015, 8, 3704-3714.	5.8	66
5	Iridium oxide nanoparticle induced dual catalytic/inhibition based detection of phenol and pesticide compounds. <i>Journal of Materials Chemistry B</i> , 2014, 2, 2233-2239.	2.9	45
6	Electrochemically reduced graphene and iridium oxide nanoparticles for inhibition-based angiotensin-converting enzyme inhibitor detection. <i>Biosensors and Bioelectronics</i> , 2017, 88, 122-129.	5.3	43
7	Micro-needle implantable electrochemical oxygen sensor: ex-vivo and in-vivo studies. <i>Biosensors and Bioelectronics</i> , 2020, 153, 112028.	5.3	43
8	Antithyroid drug detection using an enzyme cascade blocking in a nanoparticle-based lab-on-a-chip system. <i>Biosensors and Bioelectronics</i> , 2015, 67, 670-676.	5.3	39
9	Alzheimer Disease Biomarker Detection Through Electrocatalytic Water Oxidation Induced by Iridium Oxide Nanoparticles. <i>Electroanalysis</i> , 2014, 26, 1287-1294.	1.5	37
10	A DNA Aptasensor for Electrochemical Detection of Vascular Endothelial Growth Factor. <i>Journal of Nanoscience and Nanotechnology</i> , 2015, 15, 3411-3416.	0.9	35
11	Nanodiagnostics to Face SARS-CoV-2 and Future Pandemics: From an Idea to the Market and Beyond. <i>ACS Nano</i> , 2021, 15, 17137-17149.	7.3	32
12	A vertical flow paper-microarray assay with isothermal DNA amplification for detection of Neisseria meningitidis. <i>Talanta</i> , 2018, 183, 192-200.	2.9	30
13	An iridium oxide nanoparticle and polythionine thin film based platform for sensitive Leishmania DNA detection. <i>Journal of Materials Chemistry B</i> , 2015, 3, 5166-5171.	2.9	29
14	Health care workers'™ perceptions of point-of-care testing in a low-income country" A qualitative study in Southwestern Uganda. <i>PLoS ONE</i> , 2017, 12, e0182005.	1.1	29
15	The Microbiome Meets Nanotechnology: Opportunities and Challenges in Developing New Diagnostic Devices. <i>Advanced Materials</i> , 2021, 33, e2006104.	11.1	24
16	in vivo Monitoring with micro-implantable hypoxia sensor based on tissue acidosis. <i>Talanta</i> , 2021, 226, 122045.	2.9	9
17	Lateral Flow Biosensors Based on Gold Nanoparticles. <i>Comprehensive Analytical Chemistry</i> , 2014, 66, 569-605.	0.7	6
18	Nanoparticle-based lateral flow assays. <i>Comprehensive Analytical Chemistry</i> , 2020, 89, 313-359.	0.7	5

#	ARTICLE	IF	CITATIONS
19	Fetal ischemia monitoring with in vivo implanted electrochemical multiparametric microsensors. <i>Journal of Biological Engineering</i> , 2021, 15, 28.	2.0	2
20	ZnII Complexes Based on Hybrid N-Pyrazole, Nâ€²-imine Ligands: Synthesis, X-Ray Crystal Structure, NMR Characterisation, and 3D Supramolecular Properties. <i>Australian Journal of Chemistry</i> , 2015, 68, 749.	0.5	1
21	Miniaturized Electrochemical Sensors to Monitor Fetal Hypoxia and Acidosis in a Pregnant Sheep Model. <i>Biomedicines</i> , 2021, 9, 1344.	1.4	0