

Maria Soler

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

1,267
citations

471509

17
h-index

642732

23
g-index

25
all docs

25
docs citations

25
times ranked

2134
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in nanoplasmonic biosensors: applications and lab-on-a-chip integration. <i>Nanophotonics</i> , 2017, 6, 123-136.	6.0	204
2	Label-free plasmonic biosensors for point-of-care diagnostics: a review. <i>Expert Review of Molecular Diagnostics</i> , 2019, 19, 71-81.	3.1	151
3	Plasmonic nanohole array biosensor for label-free and real-time analysis of live cell secretion. <i>Lab on A Chip</i> , 2017, 17, 2208-2217.	6.0	125
4	How Nanophotonic Label-Free Biosensors Can Contribute to Rapid and Massive Diagnostics of Respiratory Virus Infections: COVID-19 Case. <i>ACS Sensors</i> , 2020, 5, 2663-2678.	7.8	119
5	Multiplexed nanoplasmonic biosensor for one-step simultaneous detection of <i>Chlamydia trachomatis</i> and <i>Neisseria gonorrhoeae</i> in urine. <i>Biosensors and Bioelectronics</i> , 2017, 94, 560-567.	10.1	108
6	Label-Free Optofluidic Nanobiosensor Enables Real-Time Analysis of Single-Cell Cytokine Secretion. <i>Small</i> , 2018, 14, e1800698.	10.0	70
7	Direct Detection of Protein Biomarkers in Human Fluids Using Site-Specific Antibody Immobilization Strategies. <i>Sensors</i> , 2014, 14, 2239-2258.	3.8	69
8	Label-free SPR detection of gluten peptides in urine for non-invasive celiac disease follow-up. <i>Biosensors and Bioelectronics</i> , 2016, 79, 158-164.	10.1	62
9	Label-free nanoplasmonic sensing of tumor-associated autoantibodies for early diagnosis of colorectal cancer. <i>Analytica Chimica Acta</i> , 2016, 930, 31-38.	5.4	58
10	Highly sensitive dendrimer-based nanoplasmonic biosensor for drug allergy diagnosis. <i>Biosensors and Bioelectronics</i> , 2015, 66, 115-123.	10.1	57
11	Principles, technologies, and applications of plasmonic biosensors. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	39
12	Nanophotonic biosensors for point-of-care COVID-19 diagnostics and coronavirus surveillance. <i>JPhys Photonics</i> , 2021, 3, 011002.	4.6	31
13	Label-Free Plasmonic Biosensor for Rapid, Quantitative, and Highly Sensitive COVID-19 Serology: Implementation and Clinical Validation. <i>Analytical Chemistry</i> , 2022, 94, 975-984.	6.5	28
14	Engineering photonics solutions for COVID-19. <i>APL Photonics</i> , 2020, 5, 090901.	5.7	26
15	Two-Dimensional Label-Free Affinity Analysis of Tumor-Specific CD8 T Cells with a Biomimetic Plasmonic Sensor. <i>ACS Sensors</i> , 2018, 3, 2286-2295.	7.8	24
16	One-Step Immobilization of Antibodies and DNA on Gold Sensor Surfaces via a Poly-Adenine Oligonucleotide Approach. <i>Analytical Chemistry</i> , 2020, 92, 12596-12604.	6.5	24
17	Nanophotonic Biosensors: Driving Personalized Medicine. <i>Optics and Photonics News</i> , 2020, 31, 24.	0.5	19
18	Biochemistry strategies for label-free optical sensor biofunctionalization: advances towards real applicability. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5071-5085.	3.7	15

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19	Site-Specific mRNA Cleavage for Selective and Quantitative Profiling of Alternative Splicing with Label-Free Optical Biosensors. <i>Analytical Chemistry</i> , 2019, 91, 15138-15146.	6.5	11
20	Mining the Potential of Label-Free Biosensors for In Vitro Antipsychotic Drug Screening. <i>Biosensors</i> , 2018, 8, 6.	4.7	10
21	Novel Sensing Algorithm for Linear Read-Out of Bimodal Waveguide Interferometric Biosensors. <i>Journal of Lightwave Technology</i> , 2022, 40, 237-244.	4.6	10
22	Design and characterization of high-affinity synthetic peptides as bioreceptors for diagnosis of cutaneous leishmaniasis. <i>Analytical and Bioanalytical Chemistry</i> , 2021, 413, 4545-4555.	3.7	2
23	Photonic Metasurfaces for Next-Generation Biosensors. , 2018, , .		1
24	Applications of label-free plasmonic biosensors in clinical diagnostics. , 2022, , .		0