Alberto Sinibaldi

List of Publications by Year
in descending order

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32	774	623574	580701
papers	citations	14 h-index	25 g-index

32	32	32	593
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Enhanced fluorescence detection of miRNAs using one-dimensional photonic crystal-based biochips. , 2022, , .		0
2	Cancer Biomarker Detection With Photonic Crystals-Based Biosensors: An Overview. Journal of Lightwave Technology, 2021, 39, 3871-3881.	2.7	22
3	Spectral Characterization of Mid-Infrared Bloch Surface Waves Excited on a Truncated 1D Photonic Crystal. ACS Photonics, 2021, 8, 350-359.	3.2	16
4	Optical multiplexed bioassays on photonic crystals for breast cancer biomarker detection. EPJ Web of Conferences, 2021, 255, 13003.	0.1	0
5	Enhanced Fluorescence Detection of Interleukin 10 by Means of 1D Photonic Crystals. Crystals, 2021, 11, 1517.	1.0	8
6	Bioassay engineering: a combined label-free and fluorescence approach to optimize HER2 detection in complex biological media. Analytical and Bioanalytical Chemistry, 2020, 412, 3509-3517.	1.9	9
7	Anisotropic Fluorescence Emission and Photobleaching at the Surface of One-Dimensional Photonic Crystals Sustaining Bloch Surface Waves. II. Experiments. Journal of Physical Chemistry C, 2019, 123, 21176-21184.	1.5	14
8	Label-free and fluorescence photonic crystal biochips for early cancer biomarker detection. , 2019, , .		0
9	Hybrid inorganic/organic photonic crystal biochips for cancer biomarkers detection. Optics and Laser Technology, 2018, 102, 227-232.	2.2	8
10	Bloch surface wave label-free and fluorescence platform for the detection of VEGF biomarker in biological matrices. Sensors and Actuators B: Chemical, 2018, 255, 2143-2150.	4.0	25
11	Bloch Surface Wave Based Biosensing. , 2018, , .		1
12	Label-Free Monitoring of Human IgG/Anti-IgG Recognition Using Bloch Surface Waves on 1D Photonic Crystals. Biosensors, 2018, 8, 71.	2.3	6
13	Effects of Reabsorption due to Surface Concentration in Highly Resonant Photonic Crystal Fluorescence Biosensors. Journal of Physical Chemistry C, 2018, 122, 26281-26287.	1.5	9
14	Bloch surface wave enhanced biosensor for the direct detection of Angiopoietin-2 tumor biomarker in human plasma. Biomedical Optics Express, 2018, 9, 529.	1.5	19
15	Combined label-free/fluorescence platform based on Bloch surface waves biochips for cancer biomarker detection. , 2018, , .		1
16	Detection of soluble ERBB2 in breast cancer cell lysates using a combined label-free/fluorescence platform based on Bloch surface waves. Biosensors and Bioelectronics, 2017, 92, 125-130.	5.3	41
17	Nanotechnology for Food Packaging and Food Quality Assessment. Advances in Food and Nutrition Research, 2017, 82, 149-204.	1.5	46
18	A novel technique based on Bloch surface waves sustained by one-dimensional photonic crystals to probe mass transport in a microfluidic channel. Sensors and Actuators B: Chemical, 2017, 247, 532-539.	4.0	11

#	Article	IF	Citations
19	Bloch Surface Waves Biosensors for High Sensitivity Detection of Soluble ERBB2 in a Complex Biological Environment. Biosensors, 2017, 7, 33.	2.3	10
20	Design rules for combined label-free and fluorescence Bloch surface wave biosensors. Optics Letters, 2017, 42, 2798.	1.7	23
21	Effect of thickness disorder on the performance of photonic crystal surface wave sensors. Optics Express, 2016, 24, 7728.	1.7	26
22	Angularly resolved ellipsometric optical biosensing by means of Bloch surface waves. Analytical and Bioanalytical Chemistry, 2015, 407, 3965-3974.	1.9	25
23	Biosensing platform combining label-free and labelled analysis using Bloch surface waves. , 2015, , .		6
24	Label-Free Detection of Tumor Angiogenesis Biomarker Angiopoietin 2 Using Bloch Surface Waves on One Dimensional Photonic Crystals. Journal of Lightwave Technology, 2015, 33, 3385-3393.	2.7	26
25	Limit of detection comparison for surface wave biosensors. Proceedings of SPIE, 2014, , .	0.8	2
26	Exploiting the phase properties of Bloch surface waves on photonic crystals for efficient optical sensing. Proceedings of SPIE, 2014, , .	0.8	1
27	Combining label-free and fluorescence operation of Bloch surface wave optical sensors. Optics Letters, 2014, 39, 2947.	1.7	63
28	Bloch Surface Waves on Dielectric Photonic Crystals for Biological Sensing. Lecture Notes in Electrical Engineering, 2014, , 107-111.	0.3	0
29	A full ellipsometric approach to optical sensing with Bloch surface waves on photonic crystals. Optics Express, 2013, 21, 23331.	1.7	79
30	Probing losses of dielectric multilayers by means of Bloch surface waves. Optics Letters, 2013, 38, 616.	1.7	37
31	Hydrogenated amorphous silicon nitride photonic crystals for improved-performance surface electromagnetic wave biosensors. Biomedical Optics Express, 2012, 3, 2405.	1.5	22
32	Direct comparison of the performance of Bloch surface wave and surface plasmon polariton sensors. Sensors and Actuators B: Chemical, 2012, 174, 292-298.	4.0	218