Lorenzo Cocola

List of Publications by Year
in descending order

20	159	1307594 7	1281871 11
papers	citations	h-index	g-index

20	20	20	122
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Gas in Scattering Media Absorption Spectroscopy (GASMAS) Detected Persistent Vacuum in Apple Tissue After Vacuum Impregnation. Food Biophysics, 2012, 7, 28-34.	3.0	35
2	Noninvasive monitoring of gas in the lungs and intestines of newborn infants using diode lasers: feasibility study. Journal of Biomedical Optics, 2013, 18, 127005.	2.6	23
3	Super-Earths, M Dwarfs, and Photosynthetic Organisms: Habitability in the Lab. Life, 2021, 11, 10.	2.4	20
4	Non-intrusive headspace gas measurements by laser spectroscopy â€“ Performance validation by a reference sensor. Journal of Food Engineering, 2012, 111, 612-617.	5.2	18
5	Laser spectroscopy for totally non-intrusive detection of oxygen in modified atmosphere food packages. Applied Physics B: Lasers and Optics, 2015, 119, 37-44.	2.2	11
6	Determination of CO₂ Content in the Headspace of Spoiled Yogurt Packages. Journal of Food Quality, 2018, 2018, 1-6.	2.6	9
7	Validation of an in-line non-destructive headspace oxygen sensor. Food Packaging and Shelf Life, 2016, 9, 38-44.	7.5	7
8	Adaptive multi-wavelength LED star simulator for space life studies. , 2016, , .		6
9	A New Remote Sensing-Based System for the Monitoring and Analysis of Growth and Gas Exchange Rates of Photosynthetic Microorganisms Under Simulated Non-Terrestrial Conditions. Frontiers in Plant Science, 2020, 11, 182.	3.6	6
10	Formation and Cumulation of CO2 in the Bottles of the Fermented Milk Drinks. International Proceedings of Chemical, Biological & Environmental Engineering, 0, 95, 26-31.	0.0	6
11	A Modular Approach of Different Geometries for Non-invasive Oxygen Measurement inside Moving Food Packages. Packaging Technology and Science, 2017, 30, 159-170.	2.8	5
12	Design and evaluation of an in-line system for gas sensing in flow-packed products. Food Packaging and Shelf Life, 2018, 17, 91-98.	7.5	4
13	Control software for the Multi-Channel Led starlight simulator. , 2018, , .		3
14	A tunable integrated system to simulate colder stellar radiation. , 2015, , .		2
15	Validation and calibration of a TDLAS oxygen sensor for in-line measurement on flow-packed products. , 2016, , .		2
16	A non-dispersive approach for a Raman gas sensor. SN Applied Sciences, 2020, 2, 1.	2.9	2
17	Imaging of gaseous oxygen through DFB laser illumination. Proceedings of SPIE, 2016, , .	0.8	0
18	Tunable Diode Laser Absorption Spectroscopy for Gas Sensing in the Agri-Food Industry. , 2016, , .		0

#	Article	IF	Citations
19	Tunable Diode Laser Absorption Spectroscopy applied to gas sensing for agro-food and medical processes. , 2017, , .		0
20	Development and validation of a multi gas optical sensor for the meat industry. , 2019, , .		0