Sandro Mengali

List of Publications by Year
in descending order

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13 papers	355 citations	1478505 6 h-index	1720034 7 g-index
13 all docs	13 docs citations	13 times ranked	439 citing authors

#	Article	IF	Citations
1	VO₂ metasurface smart thermal emitter with high visual transparency for passive radiative cooling regulation in space and terrestrial applications. Nanophotonics, 2022, 11, 4101-4114.	6.0	37
2	A Novel Selective Carrier Modulation Technique to Form a Planar Metal Oxide Metasurface. , 2021, , .		0
3	A MEMS-Enabled Deployable Trace Chemical Sensor Based on Fast Gas-Chromatography and Quartz Enhanced Photoacousic Spectoscopy. Sensors, 2020, 20, 120.	3.8	8
4	Metal Oxide Meta-Optical Solar Reflectors for Space Applications. , 2020, , .		0
5	VO₂ Thermochromic Metamaterial-Based Smart Optical Solar Reflector. ACS Photonics, 2018, 5, 2280-2286.	6.6	161
6	Metasurface Optical Solar Reflectors Using AZO Transparent Conducting Oxides for Radiative Cooling of Spacecraft. ACS Photonics, 2018, 5, 495-501.	6.6	114
7	Low-Cost Portable 1 MHz Lock-In Amplifier for Fast Measurements of Pulsed Signals in Sensing Applications. , 2017, 1, 1-4.		12
8	Metal oxide metasurfaces for active control and space technology. , 2017, , .		0
9	Quartz Enhanced Photoacoustic Spectroscopy for Detection of Improvised Explosive Devices and Precursors. Advances in Optical Technologies, 2016, 2016, 1-12.	0.8	7
10	Selectivity evaluation of label-free detection of Bacillus spp spores using functionalized SERS substrates (Conference Presentation). , 2016, , .		0
11	Rapid and label-free screening and identification of Anthrax simulants by Surface Enhanced Raman Spectroscopy. , 2014, , .		1
12	Rapid screening and identification of illicit drugs by IR absorption spectroscopy and gas chromatography. Proceedings of SPIE, 2013, , .	0.8	12
13	Chemical Warfare Agents Analyzer Based on Low Cost, Room Temperature, and Infrared Microbolometer Smart Sensors. Advances in Optical Technologies, 2012, 2012, 1-5.	0.8	3