

# Sandro Mengali

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/10248445/publications.pdf>

Version: 2024-02-01

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	VO <sub>2</sub> Thermo-chromic Metamaterial-Based Smart Optical Solar Reflector. ACS Photonics, 2018, 5, 2280-2286.	6.6	161
2	Metasurface Optical Solar Reflectors Using AZO Transparent Conducting Oxides for Radiative Cooling of Spacecraft. ACS Photonics, 2018, 5, 495-501.	6.6	114
3	VO <sub>2</sub> 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
4	Rapid screening and identification of illicit drugs by IR absorption spectroscopy and gas chromatography. Proceedings of SPIE, 2013, , .	0.8	12
5	Low-Cost Portable 1 MHz Lock-In Amplifier for Fast Measurements of Pulsed Signals in Sensing Applications. , 2017, 1, 1-4.		12
6	A MEMS-Enabled Deployable Trace Chemical Sensor Based on Fast Gas-Chromatography and Quartz Enhanced Photoacoustic Spectroscopy. Sensors, 2020, 20, 120.	3.8	8
7	Quartz Enhanced Photoacoustic Spectroscopy for Detection of Improvised Explosive Devices and Precursors. Advances in Optical Technologies, 2016, 2016, 1-12.	0.8	7
8	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
9	Rapid and label-free screening and identification of Anthrax simulants by Surface Enhanced Raman Spectroscopy. , 2014, , .		1
10	Metal oxide metasurfaces for active control and space technology. , 2017, , .		0
11	Selectivity evaluation of label-free detection of Bacillus spp spores using functionalized SERS substrates (Conference Presentation). , 2016, , .		0
12	Metal Oxide Meta-Optical Solar Reflectors for Space Applications. , 2020, , .		0
13	A Novel Selective Carrier Modulation Technique to Form a Planar Metal Oxide Metasurface. , 2021, , .		0