

ALLEGATO 2: ELENCO COMPLETO DELLE PUBBLICAZIONI ACCADEMICHE

Numero pubblicazione	Dettagli
1	Cefarin, N.; Cian, A.; Sonato, A.; Sovernigo, E.; Suran, F.; Teklud, Z.; Zanut, A.; Pozzato, A.; Tormen, M. <i>Nanostructuring methylammonium lead iodide perovskite by ultrafast nano imprinting lithography</i> 2017 , <i>Microelectronic Engineering</i> , 176, 106-110
2	Bianco, M.; Sonato, A.; De Girolamo, A.; Pascale, M.; Romanato, F.; Rinaldi, F.; Arima, V. <i>An aptamer-based SPR-polarization platform for high sensitive OTA detection</i> 2017 , <i>Sensors and Actuators B</i> , 241, 314-320
3	Sonato, A.; Pozzato, A.; Suran, F.; Gazzola, E.; Ruffato, G.; Romanato, F. <i>Multiplexing nanostructured plasmonic device for high throughput biosensing</i> 2016 , 18 th Italian National Conference on Photonic Technologies (Fotonica 2016) Congress Paper, AEIT Publications, IEEE Xplore
4	Gazzola, E.; Pozzato, A.; Sovernigo, E.; Ruffato, G. and Sonato, A. <i>High-throughput fabrication and calibration of compact high-sensitivity plasmonic lab-on-chip for biosensing</i> 2016 , <i>Optofluidics, Microfluidics and Nanofluidics</i> , 3, 13-21
5	Sonato, A.*; Agostini, M.*; Ruffato, G.; Gazzola, E.; Liuni, D.; Greco, G.; Travagliati, M. and Cecchini, M.; Romanato, F. <i>Surface acoustic wave (SAW)-enhanced grating-coupling phase-interrogation surface plasmon resonance (SPR) microfluidic biosensor</i> 2016 , <i>Lab on a Chip</i> , 16, 1224 - 1233. (*Equal Contribution)
6	Della Giustina, G.*; Sonato, A.*; Gazzola, E.; Ruffato, G.; Brusa, S.; Romanato, F. <i>SPR Enhanced molecular imprinted sol-gel film: A promising tool for gas-phase TNT detection</i> 2016 , <i>Materials Letter</i> (162), 44-47. (*Equal contribution)
7	Romanato, F.; Ruffato, G.; Massari, M.; Carli, M.; Gazzola, E.; Gintoli, M.; Sonato, A.; Cassese, D. <i>Generation and exploitation of high-order oam beams for anti-counterfeiting applications</i> 2015 , AEIT Conference Publications
8	Silvestri D.*, Sonato A.*, Ruffato G., Meneghello A., Antognoli A., Cretaio E., Dettin M., Zamuner A., Casarin E., Zacco G., Romanato F. and Morpurgo M. <i>A peptide nucleic acid label-free biosensor for Mycobacterium Tuberculosis DNA detection via azimuthally-controlled grating-coupling SPR</i> 2015 , <i>Analytical Methods</i> . (*Equal contribution)
9	Meneghello A.*; Antognoli, A.; Sonato, A.*; Zacco, G.; Ruffato, G.; Cretaio, E. and Romanato, F. <i>Label-free efficient and accurate detection of Cystic Fibrosis causing mutations using an azimuthally rotated GC-SPR platform</i> 2014 , <i>Anal. Chem.</i> , 86, 23, 11773-11781. (*Equal Contribution)
10	Sonato, A.; Silvestri D.; Ruffato, G.; Zacco, G.; Romanato, F.; Morpurgo, M. <i>Quantitative control of poly(ethylene oxide) surface antifouling and biodetection through azimuthally enhanced grating coupled-surface plasmon resonance sensing</i> 2013 , <i>Appl. Surf. Sci.</i> , 286, 22-30
11	Ruffato, G.; Pasqualotto, E.; Sonato, A.; Zacco, G.; Silvestri, D.; Dettin, M.; Morpurgo, M.; De Toni, A.; Romanato, F. <i>Novel compact architecture for high-resolution sensing with plasmonic gratings in conical mounting</i> 2013 , <i>Proceedings of SPIE - The International Society for Optical Engineering</i> (8722)
12	Ruffato, G.; Pasqualotto, E.; Sonato, A.; Zacco, G.; Silvestri, D.; Morpurgo, M.; De Toni, A. and Romanato, F. <i>Implementation and testing of a compact and high-resolution sensing device based on grating-coupled surface plasmon resonance with polarization modulation</i> 2013 , <i>Sensors and Actuators B</i> , 185, 179-187
13	Pasqualotto, E.; Ruffato, G.; Sonato, A.; Zacco, G.; Silvestri, D.; Morpurgo, M.; De Toni, A. and Romanato, F. <i>Plasmonic platforms for innovative surface plasmon resonance configuration with sensing applications</i> 2013 , <i>Microelectronic Engineering</i> , 111, 348-353
14	Sonato, A.; Ruffato, G.; Silvestri, D.; Zacco, G.; Morpurgo, M. and Romanato, F. <i>Enhanced sensitivity azimuthally controlled grating-coupled surface Plasmon resonance applied to the calibration of thiol-poly(ethylene oxide) grafting</i> 2013 , <i>Sensors and Actuators B</i> , 181, 559-566
15	Dettin, M.; Silvestri, D.; Danesin, R.; Cretaio, E.; Picariello, G.; Casarin, E.; Sonato, A.; Romanato, F. and Morpurgo, M. <i>Synthesis and Chromatography-Free Purification of PNA-PEO Conjugates for the Functionalisation of Gold Sensors</i> 2012 , <i>Molecules</i> , 17, 11026-11045

- 16 Sonato, A.; Ruffato, G.; Natali, M.; Zacco, G.; Morpurgo, M.; Silvestri, D.; Dettin, M. and Romanato F. *Plasmonic platforms for biodetection devices* **2011**, Conference Publication IEEE (2011 International Workshop on Biophotonics, BIOPHOTONICS 2011)
- 17 Zacco, G.; Romanato, F.; Sonato, A.; Sammito, D.; Ruffato, G.; Morpurgo, M.; Silvestri, D.; Carli, M.; Schiavuta, P.; Brusatin, G. *Sinusoidal plasmonic crystals for biodetection sensors* **2011**, Microelectronic Engineering, 88, 1898-1901