

# Lorena Tedeschi

## List of Publications by Year in descending order

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Version: 2024-02-01

31  
papers

400  
citations

933447

10  
h-index

752698

20  
g-index

31  
all docs

31  
docs citations

31  
times ranked

639  
citing authors

#	ARTICLE	IF	CITATIONS
1	10 <sup>6</sup> -Fold Improvement in Protein Detection Using Nanostructured Porous Silicon Interferometric Aptasensors. <i>ACS Sensors</i> , 2016, 1, 1471-1479.	7.8	70
2	Aptamer-Mediated Codelivery of Doxorubicin and NF- $\kappa$ B Decoy Enhances Chemosensitivity of Pancreatic Tumor Cells. <i>Molecular Therapy - Nucleic Acids</i> , 2015, 4, e235.	5.1	67
3	Antibody immobilisation on fibre optic TIRF sensors. <i>Biosensors and Bioelectronics</i> , 2003, 19, 85-93.	10.1	44
4	Biosensors for measuring matrix metalloproteinases: An emerging research field. <i>TrAC - Trends in Analytical Chemistry</i> , 2019, 110, 35-50.	11.4	31
5	UV lithography-based protein patterning on silicon: Towards the integration of bioactive surfaces and CMOS electronics. <i>Applied Surface Science</i> , 2011, 257, 8413-8419.	6.1	29
6	FRET-based protein-DNA binding assay for detection of active NF- $\kappa$ B. <i>Sensors and Actuators B: Chemical</i> , 2006, 113, 649-654.	7.8	25
7	Hammerhead ribozymes in therapeutic target discovery and validation. <i>Drug Discovery Today</i> , 2009, 14, 776-783.	6.4	23
8	An integrated approach for the design and synthesis of oligonucleotide probes and their interfacing to a QCM-based RNA biosensor. <i>Biosensors and Bioelectronics</i> , 2005, 20, 2376-2385.	10.1	16
9	Integrated Sensor System for DNA Amplification and Separation Based on Thin Film Technology. <i>IEEE Transactions on Components, Packaging and Manufacturing Technology</i> , 2018, 8, 1141-1148.	2.5	11
10	A gel-free approach in vascular smooth muscle cell proteome: perspectives for a better insight into activation. <i>Proteome Science</i> , 2010, 8, 15.	1.7	10
11	Protein patterning on polycrystalline silicon-germanium via standard UV lithography for bioMEMS applications. <i>Materials Science and Engineering C</i> , 2010, 30, 1221-1226.	7.3	9
12	Innovative Erythrocyte-based Carriers for Gene Delivery in Porcine Vascular Smooth Muscle Cells: Basis for Local Therapy to Prevent Restenosis. <i>Cardiovascular &amp; Hematological Disorders Drug Targets</i> , 2012, 12, 68-75.	0.7	9
13	Main Factors Involved in Thyroid Hormone Action. <i>Molecules</i> , 2021, 26, 7337.	3.8	9
14	Pitting Corrosion Within Bioreactors for Space Cell-Culture Contaminated by <i>Paenibacillus glucanolyticus</i> , a Case Report. <i>Microgravity Science and Technology</i> , 2018, 30, 309-319.	1.4	7
15	Design, preparation and testing of suitable probe-receptors for RNA biosensing. <i>Bioelectrochemistry</i> , 2005, 67, 171-179.	4.6	6
16	Optical PMMA Chip Suitable for Multianalyte Detection. <i>IEEE Sensors Journal</i> , 2008, 8, 1305-1309.	4.7	5
17	Oligonucleotide biofunctionalization enhances endothelial progenitor cell adhesion on cobalt/chromium stents. <i>Journal of Biomedical Materials Research - Part A</i> , 2015, 103, 3284-3292.	4.0	5
18	Early modifications of circulating microRNAs levels in metastatic colorectal cancer patients treated with regorafenib. <i>Pharmacogenomics Journal</i> , 2019, 19, 455-464.	2.0	5

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19	Tailoring of silica-based nanoporous pod by spermidine multi-activity. Scientific Reports, 2020, 10, 21142.	3.3	5
20	Selective organic functionalization of polycrystalline silicon-germanium for bioMEMS applications. Procedia Chemistry, 2009, 1, 252-255.	0.7	3
21	Ribozyme-mediated gene knock down strategy to dissect the consequences of PDGF stimulation in vascular smooth muscle cells. BMC Research Notes, 2012, 5, 268.	1.4	3
22	Interferogram Average over Wavelength Spectroscopy: An Ultrasensitive Technique for Biosensing with Porous Silicon Interferometers. ECS Transactions, 2017, 77, 1815-1823.	0.5	3
23	Lab-on-glass system for DNA treatments. , 2017, , .		1
24	HOW DOES IT WORK A QUALITY/PERFORMANCE MANAGEMENT SYSTEM IN A BIOMEDICAL RESEARCH INSTITUTION? LIGHTS AND SHADOWS. International Journal for Quality Research, 2021, 15, 871-888.	1.0	1
25	Silencing Survivin: a Key Therapeutic Strategy for Cardiac Hypertrophy. Journal of Cardiovascular Translational Research, 2021, , 1.	2.4	1
26	Label-Free Detection of Specific RNA Sequences by a DNA-Based CMOS BioMEMS. Lecture Notes in Electrical Engineering, 2014, , 277-280.	0.4	1
27	Biological Effects of Transforming Growth Factor Beta in Human Cholangiocytes. Biology, 2022, 11, 566.	2.8	1
28	FRET based biosensor for detection of active NF-kB. , 2005, 5855, 439.		0
29	A compact optical system for the interrogation of microcantilevers. Proceedings of SPIE, 2007, , .	0.8	0
30	An optical platform based on fluorescence anisotropy for C &#x2014; reactive protein assay. , 2008, , .		0
31	Porous silicon interferometers for high-sensitivity label-free detection of biomolecules. , 2017, , .		0