

Lorenzo Lunelli

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

501
citations

759233

12
h-index

677142

22
g-index

25
all docs

25
docs citations

25
times ranked

938
citing authors

#	ARTICLE	IF	CITATIONS
1	An easy way to realize SPR aptasensor: A multimode plastic optical fiber platform for cancer biomarkers detection. <i>Talanta</i> , 2015, 140, 88-95.	5.5	102
2	Three distinct ribosome assemblies modulated by translation are the building blocks of polysomes. <i>Journal of Cell Biology</i> , 2015, 208, 581-596.	5.2	44
3	Ultrasensitive detection of cancer biomarkers by nickel-based isolation of polydisperse extracellular vesicles from blood. <i>EBioMedicine</i> , 2019, 43, 114-126.	6.1	40
4	Identification and dynamic changes of RNAs isolated from RALY-containing ribonucleoprotein complexes. <i>Nucleic Acids Research</i> , 2017, 45, 6775-6792.	14.5	39
5	Solid phase DNA extraction on PDMS and direct amplification. <i>Lab on A Chip</i> , 2011, 11, 4029.	6.0	37
6	Whispering gallery mode aptasensors for detection of blood proteins. <i>Journal of Biophotonics</i> , 2013, 6, 178-187.	2.3	32
7	Structure and Properties of DNA Molecules Over The Full Range of Biologically Relevant Supercoiling States. <i>Scientific Reports</i> , 2018, 8, 6163.	3.3	25
8	OncomiR detection in circulating body fluids: a PDMS microdevice perspective. <i>Lab on A Chip</i> , 2014, 14, 4067-4075.	6.0	24
9	SPAD aptasensor for the detection of circulating protein biomarkers. <i>Biosensors and Bioelectronics</i> , 2015, 68, 500-507.	10.1	24
10	Covalently Anchored Lipid Structures on Amine-Enriched Polystyrene. <i>Langmuir</i> , 2005, 21, 8338-8343.	3.5	18
11	Effect of materials for micro-electro-mechanical systems on PCR yield. <i>European Biophysics Journal</i> , 2010, 39, 979-986.	2.2	15
12	Hemocompatibility of pyrolytic carbon in comparison with other biomaterials. <i>Diamond and Related Materials</i> , 2011, 20, 762-769.	3.9	14
13	Fluorescent Aptamer Immobilization on Inverse Colloidal Crystals. <i>Sensors</i> , 2018, 18, 4326.	3.8	12
14	Dynamic light scattering from small particles: expected accuracy in hemoglobin data reduction. <i>Applied Optics</i> , 1996, 35, 3763.	2.1	11
15	Human Plasma Protein Adsorption on Carbon-Based Materials. <i>Journal of Nanoscience and Nanotechnology</i> , 2009, 9, 3785-3791.	0.9	11
16	Exploring a new approach for regenerative medicine: Ti-doped polycrystalline diamond layers as bioactive platforms for osteoblast-like cells growth. <i>Applied Surface Science</i> , 2021, 540, 148334.	6.1	11
17	RiboAbacus: a model trained on polyribosome images predicts ribosome density and translational efficiency from mammalian transcriptomes. <i>Nucleic Acids Research</i> , 2015, 43, e153-e153.	14.5	8
18	Peering at Brain Polysomes with Atomic Force Microscopy. <i>Journal of Visualized Experiments</i> , 2016, , .	0.3	8

#	ARTICLE	IF	CITATIONS
19	Rapid Nickel-based Isolation of Extracellular Vesicles from Different Biological Fluids. Bio-protocol, 2020, 10, e3512.	0.4	7
20	Studying translational control in non-model stressed organisms by polysomal profiling. Journal of Insect Physiology, 2015, 76, 30-35.	2.0	6
21	Photofabrication of polymeric biomicrofluidics: New insights into material selection. Materials Science and Engineering C, 2020, 106, 110166.	7.3	5
22	PDMS-Based Microdevices for the Capture of MicroRNA Biomarkers. Applied Sciences (Switzerland), 2020, 10, 3867.	2.5	4
23	Whispering Gallery Mode Microresonators for Biosensing. Advances in Science and Technology, 0, , .	0.2	3
24	Human Blood Platelets Adsorption on Polymeric Materials for Liquid Biopsy. Sensors, 2022, 22, 4788.	3.8	1
25	Biofunctional Surfaces for Smart Entrapment of Polysomes. Applied Sciences (Switzerland), 2021, 11, 776.	2.5	0