

Maria Laura Ermini

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

983
citations

623734

14
h-index

580821

25
g-index

31
all docs

31
docs citations

31
times ranked

1395
citing authors

#	ARTICLE	IF	CITATIONS
1	Antimicrobial Nano-Agents: The Copper Age. <i>ACS Nano</i> , 2021, 15, 6008-6029.	14.6	198
2	Low-fouling surface plasmon resonance biosensor for multi-step detection of foodborne bacterial pathogens in complex food samples. <i>Biosensors and Bioelectronics</i> , 2016, 80, 84-90.	10.1	190
3	Enhancing Sensitivity of Surface Plasmon Resonance Biosensors by Functionalized Gold Nanoparticles: Size Matters. <i>Analytical Chemistry</i> , 2014, 86, 10350-10356.	6.5	122
4	Rapid and sensitive detection of multiple microRNAs in cell lysate by low-fouling surface plasmon resonance biosensor. <i>Biosensors and Bioelectronics</i> , 2015, 70, 226-231.	10.1	84
5	Functional gold nanoparticles for optical affinity biosensing. <i>Analytical and Bioanalytical Chemistry</i> , 2017, 409, 4087-4097.	3.7	48
6	Copolymer Brush-Based Ultralow-Fouling Biorecognition Surface Platform for Food Safety. <i>Analytical Chemistry</i> , 2016, 88, 10533-10539.	6.5	43
7	Peptide Functionalization of Gold Nanoparticles for the Detection of Carcinoembryonic Antigen in Blood Plasma via SPR-Based Biosensor. <i>Frontiers in Chemistry</i> , 2019, 7, 40.	3.6	42
8	Direct detection of genomic DNA by surface plasmon resonance imaging: An optimized approach. <i>Biosensors and Bioelectronics</i> , 2013, 40, 193-199.	10.1	37
9	Bioanalytical approaches for the detection of single nucleotide polymorphisms by Surface Plasmon Resonance biosensors. <i>Biosensors and Bioelectronics</i> , 2014, 61, 28-37.	10.1	34
10	A rational approach in probe design for nucleic acid-based biosensing. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4785-4790.	10.1	24
11	Biokinetics and clearance of inhaled gold ultrasmall-in-nano architectures. <i>Nanoscale Advances</i> , 2020, 2, 3815-3820.	4.6	23
12	Simultaneous Detection of Transgenic DNA by Surface Plasmon Resonance Imaging with Potential Application to Gene Doping Detection. <i>Analytical Chemistry</i> , 2011, 83, 6245-6253.	6.5	19
13	Single nucleotide polymorphism detection by optical DNA-based sensing coupled with whole genomic amplification. <i>Analytical and Bioanalytical Chemistry</i> , 2013, 405, 985-993.	3.7	16
14	Chorioallantoic membrane tumor models highlight the effects of cisplatin compounds in oral carcinoma treatment. <i>IScience</i> , 2022, 25, 103980.	4.1	16
15	Investigating nanoparticle properties in plasmonic nanoarchitectures with DNA by surface plasmon resonance imaging. <i>Chemical Communications</i> , 2015, 51, 6587-6590.	4.1	14
16	Improving surface plasmon resonance imaging of DNA by creating new gold and silver based surface nanostructures. <i>Mikrochimica Acta</i> , 2013, 180, 1093-1099.	5.0	12
17	SPR detection of human hepcidin-25: A critical approach by immuno- and biomimetic-based biosensing. <i>Biosensors and Bioelectronics</i> , 2013, 40, 135-140.	10.1	12
18	A Cost-Effective Approach for Non-Persistent Gold Nano-Architectures Production. <i>Nanomaterials</i> , 2020, 10, 1600.	4.1	11

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19	The Fate of Intranasally Instilled Silver Nanoarchitectures. Nano Letters, 2022, 22, 5269-5276.	9.1	11
20	Analyte transport to micro- and nano-plasmonic structures. Lab on A Chip, 2019, 19, 4117-4127.	6.0	7
21	Total- and semi-bare noble metal nanoparticles@silica core@shell catalysts for hydrogen generation by formic acid decomposition. Emergent Materials, 2021, 4, 483-491.	5.7	6
22	High-performance biosensor exploiting a light guidance in sparse arrays of metal nanoparticles. Optics Letters, 2019, 44, 1568.	3.3	5
23	Complementary Effect of Non-Persistent Silver Nano-Architectures and Chlorhexidine on Infected Wound Healing. Biomedicines, 2021, 9, 1215.	3.2	4
24	Pregnancy-Associated Plasma Protein A2 in Hemodialysis Patients: Significance for Prognosis. Kidney and Blood Pressure Research, 2017, 42, 509-518.	2.0	3
25	Surface plasmon resonance imaging for affinity-based sensing: An analytical approach. , 2011, , .		0
26	Surface nanostructuring for Surface Plasmon Resonance imaging. , 2011, , .		0
27	Hepcidin Detection by Affinity Based Sensing: A Possible Application in Clinical and Anti-doping Analysis. Lecture Notes in Electrical Engineering, 2014, , 95-98.	0.4	0
28	SP698PREGNANCY-ASSOCIATED PLASMA PROTEIN A2 IN HEMODIALYSIS PATIENTS: SIGNIFICANCE FOR PROGNOSIS. Nephrology Dialysis Transplantation, 2017, 32, iii372-iii372.	0.7	0
29	Titania-decorated hybrid nano-architectures and their preliminary assessment in catalytic applications. Nano Structures Nano Objects, 2021, 28, 100788.	3.5	0
30	Coupling Nanotechnology to Optical Affinity Sensing: The Case of Surface Plasmon Resonance Imaging for DNA Detection. Lecture Notes in Electrical Engineering, 2014, , 103-106.	0.4	0