Tania Garcia-Mendiola

List of Publications by Year
in descending order

41 papers	1,032 citations	430754 18 h-index	434063 31 g-index
41 all docs	41 docs citations	41 times ranked	1284 citing authors

#	Article	IF	Citations
1	Electrochemiluminescent nanostructured DNA biosensor for SARS-CoV-2 detection. Talanta, 2022, 240, 123203.	2.9	40
2	Potential application of metallacarboranes as an internal reference: an electrochemical comparative study to ferrocene. Chemical Communications, 2022, 58, 4196-4199.	2.2	4
3	Neutral Red-carbon nanodots for selective fluorescent DNA sensing. Analytical and Bioanalytical Chemistry, 2022, 414, 5537-5548.	1.9	7
4	Amplification-free detection of SARS-CoV-2 using gold nanotriangles functionalized with oligonucleotides. Mikrochimica Acta, 2022, 189, 171.	2.5	16
5	Paving the way to point of care (POC) devices for SARS-CoV-2 detection. Talanta, 2022, 247, 123542.	2.9	5
6	Methylene Blue functionalized carbon nanodots combined with different shape gold nanostructures for sensitive and selective SARS-CoV-2 sensing. Sensors and Actuators B: Chemical, 2022, 369, 132217.	4.0	18
7	Bifunctional carbon nanodots for highly sensitive HER2 determination based on electrochemiluminescence. Sensors and Actuators B: Chemical, 2021, 343, 130096.	4.0	19
8	A MoS2 platform and thionine-carbon nanodots for sensitive and selective detection of pathogens. Biosensors and Bioelectronics, 2021, 189, 113375.	5.3	39
9	Carbon nanodotâ€“based electrogenerated chemiluminescence biosensor for miRNA-21 detection. Mikrochimica Acta, 2021, 188, 398.	2.5	25
10	Breast cancer biomarker detection through the photoluminescence of epitaxial monolayer MoS2 flakes. Scientific Reports, 2020, 10, 16039.	1.6	33
11	Electrochemiluminescence Biosensors Using Screen-Printed Electrodes. Biosensors, 2020, 10, 118.	2.3	35
12	Functionalization of a Few-Layer Antimonene with Oligonucleotides for DNA Sensing. ACS Applied Nano Materials, 2020, 3, 3625-3633.	2.4	26
13	Influence of carbon nanodots on DNA-Thionine interaction. Application to breast cancer diagnosis. Electrochimica Acta, 2020, 353, 136522.	2.6	17
14	ZnO nanowire-based fluorometric enzymatic assays for lactate and cholesterol. Mikrochimica Acta, 2020, 187, 180.	2.5	16
15	Fluorescent C-NanoDots for rapid detection of BRCA1, CFTR and MRP3 gene mutations. Mikrochimica Acta, 2019, 186, 293.	2.5	8
16	Enhanced Performance of Reagent-Less Carbon Nanodots Based Enzyme Electrochemical Biosensors. Sensors, 2019, 19, 5576.	2.1	12
17	Carbon nanodots based biosensors for gene mutation detection. Sensors and Actuators B: Chemical, 2018, 256, 226-233.	4.0	76
18	Frontispiece: Metallacarboranes on the Road to Anticancer Therapies: Cellular Uptake, DNA Interaction, and Biological Evaluation of Cobaltabisdicarbollide [COSAN]â^'. Chemistry - A European Journal, 2018, 24, .	1.7	0

#	Article	IF	Citations
19	Metallacarboranes on the Road to Anticancer Therapies: Cellular Uptake, DNA Interaction, and Biological Evaluation of Cobaltabisdicarbollide [COSAN]^{â˜}. Chemistry - A European Journal, 2018, 24, 17239-17254.	1.7	78
20	Electrochemically driven phenothiazine modification of carbon nanodots. Nano Research, 2018, 11, 6405-6416.	5.8	6
21	Gallium plasmonic nanoparticles for label-free DNA and single nucleotide polymorphism sensing. Nanoscale, 2016, 8, 9842-9851.	2.8	51
22	Dyes as bifunctional markers of DNA hybridization on surfaces and mutation detection. Bioelectrochemistry, 2016, 111, 115-122.	2.4	14
23	Metallacarboranes as tunable redox potential electrochemical indicators for screening of gene mutation. Chemical Science, 2016, 7, 5786-5797.	3.7	35
24	Diazonium salt click chemistry based multiwall carbon nanotube electrocatalytic platforms. Sensors and Actuators B: Chemical, 2015, 211, 559-568.	4.0	12
25	Scaffold electrodes based on thioctic acid-capped gold nanoparticles coordinated Alcohol Dehydrogenase and Azure A films for high performance biosensor. Bioelectrochemistry, 2015, 106, 335-342.	2.4	20
26	Screening of Specific Gene Mutations Associated with Cystic Fibrosis. Electroanalysis, 2014, 26, 1362-1372.	1.5	6
27	Simple diazonium chemistry to develop specific gene sensing platforms. Analytica Chimica Acta, 2014, 813, 41-47.	2.6	13
28	Solâ€“gel derived gold nanoparticles biosensing platform for Escherichia coli detection. Sensors and Actuators B: Chemical, 2013, 182, 307-314.	4.0	8
29	Nanostructured rough gold electrodes as platforms to enhance the sensitivity of electrochemical genosensors. Analytica Chimica Acta, 2013, 788, 141-147.	2.6	18
30	Grafted Azure A modified electrodes as disposable Î²-nicotinamide adenine dinucleotide sensors. Analytica Chimica Acta, 2012, 747, 84-91.	2.6	31
31	Disposable DNA biosensor based on thin-film gold electrodes for selective Salmonella detection. Sensors and Actuators B: Chemical, 2012, 161, 1030-1037.	4.0	29
32	Interactions of Schiff-base ligands with gold nanoparticles: structural, optical and electrocatalytic studies. Physical Chemistry Chemical Physics, 2011, 13, 5668.	1.3	11
33	Electrochemical DNA base pairs quantification and endonuclease cleavage detection. Biosensors and Bioelectronics, 2011, 27, 40-45.	5.3	10
34	Effects of Ionic Strength and Probe DNA Length on the Electrochemical Impedance Spectroscopic Response of Biosensors. Electroanalysis, 2011, 23, 100-107.	1.5	19
35	Disposable sensors for rapid screening of mutated genes. Analytical and Bioanalytical Chemistry, 2010, 398, 1385-1393.	1.9	14
36	Electrocatalytic oxidation of methanol and other short chain aliphatic alcohols on glassy carbon electrodes modified with conductive films derived from NiII-(N,Nâ€²-bis(2,5-dihydroxybenzylidene)-1,2-diaminobenzene). Sensors and Actuators B: Chemical, 2008, 130, 730-738.	4.0	64

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37	Architectures based on the use of gold nanoparticles and ruthenium complexes as a new route to improve genosensor sensitivity. Biosensors and Bioelectronics, 2008, 24, 184-190.	5.3	28
38	Single-Mismatch Position-Sensitive Detection of DNA Based on a Bifunctional Ruthenium Complex. Analytical Chemistry, 2008, 80, 77-84.	3.2	47
39	Dual-Stage DNA Sensing: Recognition and Detection. Analytical Chemistry, 2008, 80, 9443-9449.	3.2	16
40	Comprehensive study of interactions between DNA and new electroactive Schiff base ligandsApplication to the detection of singly mismatched Helicobacter pylori sequences. Biosensors and Bioelectronics, 2007, 22, 2675-2681.	5.3	34
41	Electrochemical sensor for sulfite determination based on iron hexacyanoferrate film modified electrodes. Sensors and Actuators B: Chemical, 2005, 106, 803-809.	4.0	72