Magdalena K GÈ©bala

List of Publications by Year
in descending order

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35	856	471371	501076
papers	citations	17	28
		h-index	g-index

42	42	42	1032
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Labelâ€Free Detection of DNA Hybridization in Presence of Intercalators Using Electrochemical Impedance Spectroscopy. Electroanalysis, 2009, 21, 325-331.	1.5	71
2	Cationâ€“Anion Interactions within the Nucleic Acid Ion Atmosphere Revealed by Ion Counting. Journal of the American Chemical Society, 2015, 137, 14705-14715.	6.6	65
3	Controlled Orientation of DNA in a Binary SAM as a Key for the Successful Determination of DNA Hybridization by Means of Electrochemical Impedance Spectroscopy. ChemPhysChem, 2010, 11, 2887-2895.	1.0	57
4	Potentialâ€Assisted DNA Immobilization as a Prerequisite for Fast and Controlled Formation of DNA Monolayers. Angewandte Chemie - International Edition, 2015, 54, 15064-15068.	7.2	53
5	Does Cation Size Affect Occupancy and Electrostatic Screening of the Nucleic Acid Ion Atmosphere?. Journal of the American Chemical Society, 2016, 138, 10925-10934.	6.6	50
6	Competitive interaction of monovalent cations with DNA from 3D-RISM. Nucleic Acids Research, 2015, 43, 8405-8415.	6.5	47
7	Catalytic Oxidative Cyclocondensation of oâ€Aminophenols to 2â€Aminoâ€3Hâ€phenoxazinâ€3â€one. Synthetic Communications, 2007, 37, 1779-1789.	1.1	46
8	Ion counting demonstrates a high electrostatic field generated by the nucleosome. ELife, 2019, 8, .	2.8	43
9	A Singleâ€Electrode, Dualâ€Potential Ferroceneâ€“PNA Biosensor for the Detection of DNA. ChemBioChem, 2010, 11, 1754-1761.	1.3	41
10	Understanding properties of electrified interfaces as a prerequisite for label-free DNA hybridization detection. Physical Chemistry Chemical Physics, 2012, 14, 14933.	1.3	38
11	CENP-N promotes the compaction of centromeric chromatin. Nature Structural and Molecular Biology, 2022, 29, 403-413.	3.6	32
12	Electrical Potential-Assisted DNA Hybridization. How to Mitigate Electrostatics for Surface DNA Hybridization. ACS Applied Materials & Interfaces, 2014, 6, 21851-21858.	4.0	31
13	Quantitative Studies of an RNA Duplex Electrostatics by Ion Counting. Biophysical Journal, 2019, 117, 1116-1124.	0.2	28
14	Optimization of an Electrochemical DNA Assay by Using a 48â€Electrode Array and Redox Amplification Studies by Means of Scanning Electrochemical Microscopy. ChemBioChem, 2009, 10, 1193-1199.	1.3	26
15	The Effect of Interfacial Design on the Electrochemical Detection of DNA and MicroRNA Using Methylene Blue at Lowâ€Density DNA Films. ChemElectroChem, 2014, 1, 165-171.	1.7	26
16	Determination of Ion Atmosphere Effects on the Nucleic Acid Electrostatic Potential and Ligand Association Using AH‹sup›+‹/sup›Â·C Wobble Formation in Double-Stranded DNA. Journal of the American Chemical Society, 2017, 139, 7540-7548.	6.6	23
17	Mechanistic Studies of Fcâ€PNA(â‹…DNA) Surface Dynamics Based on the Kinetics of Electronâ€Transfer Processes. Chemistry - A European Journal, 2011, 17, 9678-9690.	1.7	22
18	Detection of DNA hybridization using electrochemical impedance spectroscopy and surface enhanced Raman scattering. Electrochemistry Communications, 2012, 19, 59-62.	2.3	19

#	Article	IF	Citations
19	A biotinylated intercalator for selective post-labeling of double-stranded DNA as a basis for high-sensitive DNA assays. Electrochemistry Communications, 2010, 12, 684-688.	2.3	14
20	A new AC-SECM mode. Electrochemistry Communications, 2011, 13, 689-693.	2.3	14
21	Single-Molecule Fluorescence Reveals Commonalities and Distinctions among Natural and in Vitro-Selected RNA Tertiary Motifs in a Multistep Folding Pathway. Journal of the American Chemical Society, 2017, 139, 18576-18589.	6.6	14
22	Amplified detection of DNA hybridization using post-labelling with a biotin-modified intercalator. Faraday Discussions, 2011, 149, 11-22.	1.6	13
23	Impact of Single Basepair Mismatches on Electronâ€Transfer Processes at Fcâ€PNAâ‹…DNA Modified Gold Surfaces. ChemPhysChem, 2012, 13, 131-139.	1.0	13
24	Electrochemical detection of synthetic DNA and native 16S rRNA fragments on a microarray using a biotinylated intercalator as coupling site for an enzyme label. Talanta, 2015, 143, 19-26.	2.9	12
25	Cation enrichment in the ion atmosphere is promoted by local hydration of DNA. Physical Chemistry Chemical Physics, 2021, 23, 23203-23213.	1.3	10
26	Kinetic and Thermodynamic Hysteresis Imposed by Intercalation of Proflavine in Ferroceneâ€Modified Doubleâ€Stranded DNA. ChemPhysChem, 2013, 14, 2208-2216.	1.0	8
27	Direct Measurement of Interhelical DNA Repulsion and Attraction by Quantitative Cross-Linking. Journal of the American Chemical Society, 2022, 144, 1718-1728.	6.6	8
28	Intercalation of Proflavine in ssDNA Aptamers: Effect on Binding of the Specific Target Chloramphenicol. Electroanalysis, 2015, 27, 1836-1841.	1.5	7
29	A Chemical Liftâ€off Process: Removing Nonâ€Specific Adsorption in an Electrochemical Epsteinâ€“Barr Virus Immunoassay. ChemPhysChem, 2013, 14, 2198-2207.	1.0	6
30	DNA Intercalators for Detection of DNA Hybridisation: SCS(MI)â€“MP2 Calculations and Electrochemical Impedance Spectroscopy. ChemPlusChem, 2016, 81, 604-612.	1.3	4
31	Impedimetric Detection of Hairpin Ribozyme Activity. Electroanalysis, 2011, 23, 37-42.	1.5	2
32	Amperometric sensing â€” Bioelectroanalysis. Analytical and Bioanalytical Chemistry, 2013, 405, 3423-3426.	1.9	2
33	DNA Electrostatics: From Theory to Application. ChemElectroChem, 2022, 9, .	1.7	2
34	Electric Field Modulation of Silicon upon Tethering of Highly Charged Nucleic Acids. Capacitive Studies on DNAâ€modified Silicon (111). Electroanalysis, 2016, 28, 2367-2372.	1.5	0
35	Dissecting the Electrostatics of Nucleic Acids. Biophysical Journal, 2018, 114, 441a-442a.	0.2	0