

Magdalena Stobiecka

List of Publications by Year in descending order

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44
papers

1,538
citations

236612

25
h-index

301761

39
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44
all docs

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docs citations

44
times ranked

1981
citing authors

#	ARTICLE	IF	CITATIONS
1	High-performance modified cellulose paper-based biosensors for medical diagnostics and early cancer screening: A concise review. <i>Carbohydrate Polymers</i> , 2020, 229, 115463.	5.1	137
2	Ligand exchange effects in gold nanoparticle assembly induced by oxidative stress biomarkers: Homocysteine and cysteine. <i>Biophysical Chemistry</i> , 2010, 146, 98-107.	1.5	94
3	Double-shell gold nanoparticle-based DNA-carriers with poly-l-lysine binding surface. <i>Biomaterials</i> , 2011, 32, 3312-3321.	5.7	83
4	Mercury/Homocysteine Ligation-Induced ON/OFF-Switching of a Tâ€“T Mismatch-Based Oligonucleotide Molecular Beacon. <i>Analytical Chemistry</i> , 2012, 84, 4970-4978.	3.2	83
5	Resonance elastic light scattering (RELS) spectroscopy of fast non-Langmuirian ligand-exchange in glutathione-induced gold nanoparticle assembly. <i>Journal of Colloid and Interface Science</i> , 2010, 350, 168-177.	5.0	82
6	Toward early cancer detection: Focus on biosensing systems and biosensors for an anti-apoptotic protein survivin and survivin mRNA. <i>Biosensors and Bioelectronics</i> , 2019, 137, 58-71.	5.3	75
7	Novel plasmonic field-enhanced nanoassay for trace detection of proteins. <i>Biosensors and Bioelectronics</i> , 2014, 55, 379-385.	5.3	62
8	Rapid functionalization of metal nanoparticles by moderator-tunable ligand-exchange process for biosensor designs. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 373-380.	4.0	59
9	Sensing of survivin mRNA in malignant astrocytes using graphene oxide nanocarrier-supported oligonucleotide molecular beacons. <i>Sensors and Actuators B: Chemical</i> , 2016, 235, 136-145.	4.0	59
10	Modulation of Plasmon-Enhanced Resonance Energy Transfer to Gold Nanoparticles by Protein Survivin Channeled-Shell Gating. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13227-13235.	1.2	58
11	Optical Biosensing System for the Detection of Survivin mRNA in Colorectal Cancer Cells Using a Graphene Oxide Carrier-Bound Oligonucleotide Molecular Beacon. <i>Nanomaterials</i> , 2018, 8, 510.	1.9	53
12	Multimodal coupling of optical transitions and plasmonic oscillations in rhodamine B modified gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , 2011, 13, 1131-1139.	1.3	52
13	Effect of buried potential barrier in label-less electrochemical immunodetection of glutathione and glutathione-capped gold nanoparticles. <i>Biosensors and Bioelectronics</i> , 2011, 26, 3524-3530.	5.3	51
14	Piezoelectric Sensor for Determination of Genetically Modified Soybean Roundup Ready (R) in Samples not Amplified by PCR. <i>Sensors</i> , 2007, 7, 1462-1479.	2.1	50
15	Hairpinâ€“Hairpin Molecular Beacon Interactions for Detection of Survivin mRNA in Malignant SW480 Cells. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 17028-17039.	4.0	49
16	Piezometric biosensors for anti-apoptotic protein survivin based on buried positive-potential barrier and immobilized monoclonal antibodies. <i>Biosensors and Bioelectronics</i> , 2016, 84, 37-43.	5.3	44
17	Intervention of glutathione in pre-mutagenic catechol-mediated DNA damage in the presence of copper(II) ions. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2012, 735, 1-11.	0.4	42
18	DNA Strand Replacement Mechanism in Molecular Beacons Encoded for the Detection of Cancer Biomarkers. <i>Journal of Physical Chemistry B</i> , 2016, 120, 4782-4790.	1.2	40

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19	Transient conformation changes of albumin adsorbed on gold piezoelectrodes. <i>Electrochimica Acta</i> , 2005, 50, 4873-4887.	2.6	38
20	Biosensors based on molecular beacons. <i>Chemical Papers</i> , 2015, 69, .	1.0	38
21	Mitochondriaâ€‘based biosensors with piezometric and RELS transduction for potassium uptake and release investigations. <i>Biosensors and Bioelectronics</i> , 2017, 88, 114-121.	5.3	37
22	Monitoring of dynamic ATP level changes by oligomycin-modulated ATP synthase inhibition in SW480 cancer cells using fluorescent â€œOn-Offâ€‘switching DNA aptamer. <i>Analytical and Bioanalytical Chemistry</i> , 2019, 411, 6899-6911.	1.9	34
23	Ternary Interactions and Energy Transfer between Fluorescein Isothiocyanate, Adenosine Triphosphate, and Graphene Oxide Nanocarriers. <i>Journal of Physical Chemistry B</i> , 2017, 121, 6822-6830.	1.2	31
24	Electroactive Dipyrometheneâˆ‘Cu(II) Self-Assembled Monolayers: Complexation Reaction on the Surface of Gold Electrodes. <i>Langmuir</i> , 2008, 24, 11239-11245.	1.6	30
25	Comparative kinetic model of fluorescence enhancement in selective binding of monochlorobimane to glutathione. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2011, 225, 72-80.	2.0	28
26	Molecularly Templated Polymer Matrix Films for Biorecognition Processes: Sensors for Evaluating Oxidative Stress and Redox Buffering Capacity. <i>ECS Transactions</i> , 2009, 19, 15-32.	0.3	17
27	Gated Resonance Energy Transfer (gRET) Controlled by Programmed Death Protein Ligand 1. <i>Nanomaterials</i> , 2020, 10, 1592.	1.9	17
28	Interactions of adsorbed albumin with underpotentially deposited copper on gold piezoelectrodes. <i>Bioelectrochemistry</i> , 2007, 70, 155-164.	2.4	14
29	Supramolecular interactions of oxidative stress biomarker glutathione with fluorone black. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018, 192, 146-152.	2.0	12
30	New ISE-Based Apparatus for Na ⁺ , K ⁺ , Cl ⁻ , pH and Transepithelial Potential Difference Real-Time Simultaneous Measurements of Ion Transport across Epithelial Cells Monolayerâ€‘Advantages and Pitfalls. <i>Sensors</i> , 2019, 19, 1881.	2.1	11
31	Novel DNA-Hybridization Biosensors for Studies of DNA Underwinding Caused by Herbicides and Pesticides. <i>ECS Transactions</i> , 2010, 28, 1-12.	0.3	10
32	Assembly of Gold Nanoparticles Induced by Metal Ions. <i>ACS Symposium Series</i> , 2012, , 207-240.	0.5	10
33	Antioxidant Effectiveness in Preventing Paraquat-Mediated Oxidative DNA Damage in the Presence of H ₂ O ₂ . <i>ACS Symposium Series</i> , 2011, , 211-233.	0.5	9
34	Detection of Oxidative Stress Biomarkers Using Functional Gold Nanoparticles. , 2012, , 241-281.		8
35	Biosensors for the Detection of DNA Damage by Toxicants. <i>ECS Transactions</i> , 2010, 33, 3-15.	0.3	6
36	Systematic study of interaction of the neutral form of anilines with undecylcalix[4]resorcinarene derivatives by means of potentiometry. <i>Supramolecular Chemistry</i> , 2010, 22, 413-419.	1.5	6

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37	Microsensor Arrays for Determination of Biomarkers of Oxidative Stress. ECS Transactions, 2011, 35, 125-134.	0.3	3
38	Novel DNA-Biosensors for Studies of GMO, Pesticides and Herbicides. , 0, , .		2
39	Interactions of Potential Protein Cancer Biomarker Survivin with Plasmonic Nanoparticles and Its Dynamics in Cancer Cells Studied Using Fluorescence Molecular-Beacon Probes, Gated-RET and EQCN Methods. Materials Research Society Symposia Proceedings, 2015, 1720, 52.	0.1	2
40	Detection of Oxidative Stress Biomarker Homocysteine Utilizing Resonance Elastic Light Scattering. ECS Transactions, 2010, 28, 115-128.	0.3	1
41	DNA-Protective Mechanisms of Glutathione Intervention in Catechol-Mediated Oxidative DNA Damage in the Presence of Copper(II) Ions. ACS Symposium Series, 2011, , 177-209.	0.5	1
42	Resonance Elastic Light Scattering and Plasmonic Phenomena in Glutathione-Mediated Gold Nanoparticle Assembly. ECS Transactions, 2010, 28, 43-57.	0.3	0
43	Reply to Comment on "Multimodal coupling of optical transitions and plasmonic oscillations in rhodamine B modified gold nanoparticles" by I. Blakey. Physical Chemistry Chemical Physics, 2011, 13, 16446.	1.3	0
44	Exosomal Biomarkers-Based Biosensors for the Noninvasive Early Cancer Detection. ECS Meeting Abstracts, 2020, MA2020-01, 1927-1927.	0.0	0