

# Magdalena Stobiecka

## List of Publications by Citations

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41  
papers

1,264  
citations

23  
h-index

35  
g-index

44  
ext. papers

1,390  
ext. citations

5.1  
avg. IF

5.32  
L-index

#	Paper	IF	Citations
41	Ligand exchange effects in gold nanoparticle assembly induced by oxidative stress biomarkers: homocysteine and cysteine. <i>Biophysical Chemistry</i> , <b>2010</b> , 146, 98-107	3.5	84
40	High-performance modified cellulose paper-based biosensors for medical diagnostics and early cancer screening: A concise review. <i>Carbohydrate Polymers</i> , <b>2020</b> , 229, 115463	10.3	83
39	Mercury/homocysteine ligation-induced ON/OFF-switching of a T-T mismatch-based oligonucleotide molecular beacon. <i>Analytical Chemistry</i> , <b>2012</b> , 84, 4970-8	7.8	78
38	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> , <b>2010</b> , 350, 168-77	9.7	73
37	Double-shell gold nanoparticle-based DNA-carriers with poly-L-lysine binding surface. <i>Biomaterials</i> , <b>2011</b> , 32, 3312-21	15.6	71
36	Novel plasmonic field-enhanced nanoassay for trace detection of proteins. <i>Biosensors and Bioelectronics</i> , <b>2014</b> , 55, 379-85	11.8	58
35	Rapid functionalization of metal nanoparticles by moderator-tunable ligand-exchange process for biosensor designs. <i>Sensors and Actuators B: Chemical</i> , <b>2010</b> , 149, 373-380	8.5	52
34	Sensing of survivin mRNA in malignant astrocytes using graphene oxide nanocarrier-supported oligonucleotide molecular beacons. <i>Sensors and Actuators B: Chemical</i> , <b>2016</b> , 235, 136-145	8.5	51
33	Modulation of Plasmon-Enhanced Resonance Energy Transfer to Gold Nanoparticles by Protein Survivin Channeled-Shell Gating. <i>Journal of Physical Chemistry B</i> , <b>2015</b> , 119, 13227-35	3.4	50
32	Toward early cancer detection: Focus on biosensing systems and biosensors for an anti-apoptotic protein survivin and survivin mRNA. <i>Biosensors and Bioelectronics</i> , <b>2019</b> , 137, 58-71	11.8	49
31	Piezoelectric Sensor for Determination of Genetically Modified Soybean Roundup Ready (R) in Samples not Amplified by PCR. <i>Sensors</i> , <b>2007</b> , 7, 1462-1479	3.8	47
30	Multimodal coupling of optical transitions and plasmonic oscillations in rhodamine B modified gold nanoparticles. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 1131-9	3.6	45
29	Effect of buried potential barrier in label-less electrochemical immunodetection of glutathione and glutathione-capped gold nanoparticles. <i>Biosensors and Bioelectronics</i> , <b>2011</b> , 26, 3524-30	11.8	43
28	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> , <b>2018</b> , 8,	5.4	41
27	Piezometric biosensors for anti-apoptotic protein survivin based on buried positive-potential barrier and immobilized monoclonal antibodies. <i>Biosensors and Bioelectronics</i> , <b>2016</b> , 84, 37-43	11.8	39
26	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> , <b>2012</b> , 735, 1-11	3.3	38
25	Biosensors based on molecular beacons. <i>Chemical Papers</i> , <b>2015</b> , 69,	1.9	37

24	Hairpin-Hairpin Molecular Beacon Interactions for Detection of Survivin mRNA in Malignant SW480 Cells. <i>ACS Applied Materials &amp; Interfaces</i> , <b>2018</b> , 10, 17028-17039	9.5	36
23	Transient conformation changes of albumin adsorbed on gold piezoelectrodes. <i>Electrochimica Acta</i> , <b>2005</b> , 50, 4873-4887	6.7	36
22	DNA Strand Replacement Mechanism in Molecular Beacons Encoded for the Detection of Cancer Biomarkers. <i>Journal of Physical Chemistry B</i> , <b>2016</b> , 120, 4782-90	3.4	30
21	Electroactive dipyrromethene-Cu(II) self-assembled monolayers: complexation reaction on the surface of gold electrodes. <i>Langmuir</i> , <b>2008</b> , 24, 11239-45	4	28
20	Comparative kinetic model of fluorescence enhancement in selective binding of monochlorobimane to glutathione. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2011</b> , 225, 72-80	4.7	25
19	Monitoring of dynamic ATP level changes by oligomycin-modulated ATP synthase inhibition in SW480 cancer cells using fluorescent "On-Off" switching DNA aptamer. <i>Analytical and Bioanalytical Chemistry</i> , <b>2019</b> , 411, 6899-6911	4.4	23
18	Mitochondria-based biosensors with piezometric and RELS transduction for potassium uptake and release investigations. <i>Biosensors and Bioelectronics</i> , <b>2017</b> , 88, 114-121	11.8	23
17	Ternary Interactions and Energy Transfer between Fluorescein Isothiocyanate, Adenosine Triphosphate, and Graphene Oxide Nanocarriers. <i>Journal of Physical Chemistry B</i> , <b>2017</b> , 121, 6822-6830	3.4	22
16	Molecularly Templated Polymer Matrix Films for Biorecognition Processes: Sensors for Evaluating Oxidative Stress and Redox Buffering Capacity. <i>ECS Transactions</i> , <b>2009</b> , 19, 15-32	1	14
15	Interactions of adsorbed albumin with underpotentially deposited copper on gold piezoelectrodes. <i>Bioelectrochemistry</i> , <b>2007</b> , 70, 155-64	5.6	13
14	New ISE-Based Apparatus for Na, K, Cl, pH and Transepithelial Potential Difference Real-Time Simultaneous Measurements of Ion Transport across Epithelial Cells Monolayer? Advantages and Pitfalls. <i>Sensors</i> , <b>2019</b> , 19,	3.8	9
13	Novel DNA-Hybridization Biosensors for Studies of DNA Underwinding Caused by Herbicides and Pesticides. <i>ECS Transactions</i> , <b>2010</b> , 28, 1-12	1	9
12	Assembly of Gold Nanoparticles Induced by Metal Ions. <i>ACS Symposium Series</i> , <b>2012</b> , 207-240	0.4	9
11	Gated Resonance Energy Transfer (gRET) Controlled by Programmed Death Protein Ligand 1. <i>Nanomaterials</i> , <b>2020</b> , 10,	5.4	9
10	Antioxidant Effectiveness in Preventing Paraquat-Mediated Oxidative DNA Damage in the Presence of H <sub>2</sub> O <sub>2</sub> . <i>ACS Symposium Series</i> , <b>2011</b> , 211-233	0.4	8
9	Supramolecular interactions of oxidative stress biomarker glutathione with fluorone black. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , <b>2018</b> , 192, 146-152	4.4	7
8	Detection of Oxidative Stress Biomarkers Using Functional Gold Nanoparticles <b>2012</b> , 241-281		6
7	Systematic study of interaction of the neutral form of anilines with undecylcalix[4]resorcinarene derivatives by means of potentiometry. <i>Supramolecular Chemistry</i> , <b>2010</b> , 22, 413-419	1.8	6

6	Biosensors for the Detection of DNA Damage by Toxicants. <i>ECS Transactions</i> , <b>2010</b> , 33, 3-15	1	5
5	Microsensor Arrays for Determination of Biomarkers of Oxidative Stress. <i>ECS Transactions</i> , <b>2011</b> , 35, 125-134	1	3
4	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. <i>Materials Research Society Symposia Proceedings</i> , <b>2015</b> , 1720, 52		2
3	Novel DNA-Biosensors for Studies of GMO, Pesticides and Herbicides <b>2013</b> ,		1
2	DNA-Protective Mechanisms of Glutathione Intervention in Catechol-Mediated Oxidative DNA Damage in the Presence of Copper(II) Ions. <i>ACS Symposium Series</i> , <b>2011</b> , 177-209	0.4	1
1	Reply to Comment on Multimodal coupling of optical transitions and plasmonic oscillations in rhodamine B modified gold nanoparticles by I. Blakey. <i>Physical Chemistry Chemical Physics</i> , <b>2011</b> , 13, 16446	3.6	