

Celina M Miyazaki

List of Publications by Year in descending order

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Version: 2024-02-01

59
papers

1,904
citations

293460

24
h-index

299063

42
g-index

60
all docs

60
docs citations

60
times ranked

2310
citing authors

#	ARTICLE	IF	CITATIONS
1	Simultaneous Determination of Catechol and Paraquat Using a Flexible Electrode of PBAT and Graphite Modified with Gold Nanoparticles and Copper Phthalocyanine (g-PBAT/AuNP/CuTsPc) LbL Film. <i>Journal of the Electrochemical Society</i> , 2022, 169, 027505.	1.3	6
2	Layer-by-layer nanostructured films for electrochemical sensors fabrication. , 2022, , 407-441.		0
3	Development of a flexible and disposable electrochemical sensor based on poly (butylene Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 2022, 4, 100091.	2.3	12
4	Flavin adenine dinucleotide functionalized gold nanoparticles for the electrochemical detection of dopamine. <i>Sensors and Actuators Reports</i> , 2022, 4, 100085.	2.3	3
5	An investigation of the synergistic effect between magnetite nanoparticles and polypyrrole in nanostructured layer-by-layer films. <i>Journal of Applied Polymer Science</i> , 2021, 138, 49750.	1.3	2
6	Metal Oxides and Sulfide-Based Biosensors for Monitoring and Health Control. <i>Environmental Chemistry for A Sustainable World</i> , 2021, , 169-208.	0.3	3
7	Functionalized Advanced Carbon-Based Nanomaterials for Sensing. , 2021, , .		0
8	Titanium-Based Alloy Surface Modification with TiO ₂ and Poly(sodium 4-styrenesulfonate) Multilayers for Dental Implants. <i>ACS Applied Bio Materials</i> , 2021, 4, 3055-3066.	2.3	17
9	Disposable and low-cost electrochemical sensor based on the colorless nail polish and graphite composite material for tartrazine detection. <i>Talanta</i> , 2021, 227, 122200.	2.9	33
10	Special Issue on "Advances in Microfluidics Technology for Diagnostics and Detection" Processes, 2021, 9, 854.	1.3	0
11	Development of a novel biosensor for Creatine Kinase (CK-MB) using Surface Plasmon Resonance (SPR). <i>Applied Surface Science</i> , 2021, 554, 149565.	3.1	26
12	Magnetic nanoparticles in biomedical applications: A review. <i>Applied Surface Science Advances</i> , 2021, 6, 100163.	2.9	141
13	Nickel (II) phthalocyanine-tetrasulfonic-Au nanoparticles nanocomposite film for tartrazine electrochemical sensing. <i>Materials Letters</i> , 2020, 262, 127186.	1.3	31
14	Layer-by-Layer nanostructured films of magnetite nanoparticles and polypyrrole towards synergistic effect on methylparaben electrochemical detection. <i>Applied Surface Science</i> , 2020, 505, 144278.	3.1	27
15	Combining electrochemically reduced graphene oxide and Layer-by-Layer films of magnetite nanoparticles for carbofuran detection. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104294.	3.3	22
16	Biosensing on the Centrifugal Microfluidic Lab-on-a-Disc Platform. <i>Processes</i> , 2020, 8, 1360.	1.3	30
17	Electrochemical sensor for propylparaben using hybrid Layer-by-Layer films composed of gold nanoparticles, poly(ethylene imine) and nickel(II) phthalocyanine tetrasulfonate. <i>Sensors and Actuators B: Chemical</i> , 2020, 310, 127893.	4.0	25
18	Improved antibody loading on self-assembled graphene oxide films for using in surface plasmon resonance immunosensors. <i>Applied Surface Science</i> , 2019, 490, 502-509.	3.1	20

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19	A highly specific and sensitive nanoimmunosensor for the diagnosis of neuromyelitis optica spectrum disorders. <i>Scientific Reports</i> , 2019, 9, 16136.	1.6	6
20	Layer-by-Layer Films of Gold Nanoparticles and Carbon Nanotubes for Improved Amperometric Detection of Cholesterol. <i>Journal of Nanoscience and Nanotechnology</i> , 2019, 19, 5483-5488.	0.9	11
21	Improving direct immunoassay response by layer-by-layer films of gold nanoparticles " Antibody conjugate towards label-free detection. <i>Materials Science and Engineering C</i> , 2019, 102, 315-323.	3.8	33
22	Antibody-mediated biorecognition of myelin oligodendrocyte glycoprotein: computational evidence of demyelination-related epitopes. <i>Scientific Reports</i> , 2019, 9, 2033.	1.6	3
23	Layer-by-Layer Films of Graphene Nanoplatelets and Gold Nanoparticles for Methyl Parathion Sensing. <i>ACS Applied Nano Materials</i> , 2019, 2, 1082-1091.	2.4	28
24	Experimental and computational investigation of reduced graphene oxide nanoplatelets stabilized in poly(styrene sulfonate) sodium salt. <i>Journal of Materials Science</i> , 2018, 53, 10049-10058.	1.7	14
25	Layer-by-layer composite film of nickel phthalocyanine and montmorillonite clay for synergistic effect on electrochemical detection of dopamine. <i>Applied Surface Science</i> , 2018, 436, 957-966.	3.1	38
26	Wireless closed-loop control of centrifugo-pneumatic valving towards large-scale microfluidic process integration. , 2018, , .		2
27	Wirelessly powered and remotely controlled valve-array for highly multiplexed analytical assay automation on a centrifugal microfluidic platform. <i>Biosensors and Bioelectronics</i> , 2018, 109, 214-223.	5.3	41
28	On the importance of controlling film architecture in detecting prostate specific antigen. <i>Applied Surface Science</i> , 2018, 434, 1175-1182.	3.1	11
29	Label-free, spatially multiplexed SPR detection of immunoassays on a highly integrated centrifugal Lab-on-a-Disc platform. <i>Biosensors and Bioelectronics</i> , 2018, 119, 86-93.	5.3	44
30	High performance of electrochemical sensors based on LbL films of gold nanoparticles, polyaniline and sodium montmorillonite clay mineral for simultaneous detection of metal ions. <i>Electrochimica Acta</i> , 2017, 235, 700-708.	2.6	29
31	Surface plasmon resonance biosensor for enzymatic detection of small analytes. <i>Nanotechnology</i> , 2017, 28, 145501.	1.3	48
32	Polyethylene imine/graphene oxide layer-by-layer surface functionalization for significantly improved limit of detection and binding kinetics of immunoassays on acrylate surfaces. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 158, 167-174.	2.5	24
33	Hybrid layer-by-layer (LbL) films of polyaniline, graphene oxide and zinc oxide to detect ammonia. <i>Sensors and Actuators B: Chemical</i> , 2017, 238, 795-801.	4.0	81
34	Surface Plasmon Resonance (SPR) for Sensors and Biosensors. , 2017, , 183-200.		42
35	Low-Dimensional Systems: Nanoparticles. , 2017, , 125-146.		2
36	Layer-by-layer assembly of functionalized reduced graphene oxide for direct electrochemistry and glucose detection. <i>Materials Science and Engineering C</i> , 2016, 68, 739-745.	3.8	31

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37	Automation of Silica Bead-based Nucleic Acid Extraction on a Centrifugal Lab-on-a-Disc Platform. <i>Journal of Physics: Conference Series</i> , 2016, 757, 012013.	0.3	10
38	Monoamine oxidase B layer-by-layer film fabrication and characterization toward dopamine detection. <i>Materials Science and Engineering C</i> , 2016, 58, 310-315.	3.8	22
39	Synergy between Polyaniline and OMt Clay Mineral in Langmuir-Blodgett Films for the Simultaneous Detection of Traces of Metal Ions. <i>ACS Applied Materials & Interfaces</i> , 2015, 7, 6828-6834.	4.0	30
40	Liposome-Encapsulated Biomolecules: Application in Enzymatic Biosensors and Immunosensors. <i>Revista Virtual De Quimica</i> , 2015, 7, 1552-1564.	0.1	2
41	Immunosensor for HIV-1 Diagnostics Based on Immobilization of the Antigenic Peptide p24-3 Into Liposomes. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6638-6645.	0.9	7
42	Layer-by-Layer Films Based on Carbon Nanotubes and Polyaniline for Detecting 2-Chlorophenol. <i>Journal of Nanoscience and Nanotechnology</i> , 2014, 14, 6586-6592.	0.9	17
43	PEDOT:PSS self-assembled films to methanol crossover reduction in Nafion [®] membranes. <i>Applied Surface Science</i> , 2014, 323, 7-12.	3.1	11
44	Nanocomposites based on LbL films of polyaniline and sodium montmorillonite clay. <i>Synthetic Metals</i> , 2014, 197, 119-125.	2.1	22
45	Amperometric Detection of Lactose Using β -Galactosidase Immobilized in Layer-by-Layer Films. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 11657-11664.	4.0	34
46	Use of hemoglobin as alternative to peroxidases in cholesterol amperometric biosensors. <i>Sensors and Actuators B: Chemical</i> , 2013, 178, 101-106.	4.0	18
47	Bending of Layer-by-Layer Films Driven by an External Magnetic Field. <i>International Journal of Molecular Sciences</i> , 2013, 14, 12953-12969.	1.8	9
48	Detection of glucose and triglycerides using information visualization methods to process impedance spectroscopy data. <i>Sensors and Actuators B: Chemical</i> , 2012, 166-167, 231-238.	4.0	18
49	Information visualization techniques for sensing and biosensing. <i>Analyst, The</i> , 2011, 136, 1344.	1.7	102
50	Toward Preserving the Structure of the Antigenic Peptide p17-1 from the HIV-1 p17 Protein in Nanostructured Films. <i>Journal of Nanoscience and Nanotechnology</i> , 2011, 11, 6705-6709.	0.9	10
51	Strategies to Optimize Biosensors Based on Impedance Spectroscopy to Detect Phytic Acid Using Layer-by-Layer Films. <i>Analytical Chemistry</i> , 2010, 82, 3239-3246.	3.2	24
52	Recent advances in electronic tongues. <i>Analyst, The</i> , 2010, 135, 2481.	1.7	235
53	Detection of phenolic compounds using impedance spectroscopy measurements. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 41-46.	1.7	33
54	Immobilization of cholesterol oxidase in LbL films and detection of cholesterol using ac measurements. <i>Materials Science and Engineering C</i> , 2009, 29, 442-447.	3.8	42

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55	Phytase immobilization on modified electrodes for amperometric biosensing. <i>Sensors and Actuators B: Chemical</i> , 2008, 131, 210-215.	4.0	23
56	Immobilization of uricase in layer-by-layer films used in amperometric biosensors for uric acid. <i>Journal of Solid State Electrochemistry</i> , 2007, 11, 1489-1495.	1.2	43
57	Enzyme-mediated amperometric biosensors prepared with the Layer-by-Layer (LbL) adsorption technique. <i>Biosensors and Bioelectronics</i> , 2004, 19, 1611-1615.	5.3	129
58	Unusual Interactions Binding Iron Tetrasulfonated Phthalocyanine and Poly(allylamine) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 622 Td (hy	1.2	100
59	High-Performance Taste Sensor Made from Langmuir-Blodgett Films of Conducting Polymers and a Ruthenium Complex. <i>Analytical Chemistry</i> , 2003, 75, 953-955.	3.2	77