

# Duarte M F Prazeres

## List of Publications by Year in descending order

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236  
papers

6,308  
citations

71102

41  
h-index

102487

66  
g-index

256  
all docs

256  
docs citations

256  
times ranked

4876  
citing authors

#	ARTICLE	IF	CITATIONS
1	Exploring carbohydrate binding module fusions and Fab fragments in a cellulose-based lateral flow immunoassay for detection of cystatin C. <i>Scientific Reports</i> , 2022, 12, 5478.	3.3	2
2	Fusions of a carbohydrate binding module with the small cationic hexapeptide RWRWRW confer antimicrobial properties to cellulose-based materials. <i>Acta Biomaterialia</i> , 2022, 143, 216-232.	8.3	6
3	Scalable purification of single stranded DNA scaffolds for biomanufacturing DNA-origami nanostructures: Exploring anion-exchange and multimodal chromatography. <i>Separation and Purification Technology</i> , 2022, 298, 121623.	7.9	5
4	Monitoring Intracellular Calcium in Response to GPCR Activation: Comparison Between Microtiter Plates and Microfluidic Assays. <i>Methods in Molecular Biology</i> , 2021, 2268, 289-304.	0.9	0
5	A Cellulose Paper-Based Fluorescent Lateral Flow Immunoassay for the Quantitative Detection of Cardiac Troponin I. <i>Biosensors</i> , 2021, 11, 49.	4.7	28
6	Minicircle-based expression of vascular endothelial growth factor in mesenchymal stromal cells from diverse human tissues. <i>Journal of Gene Medicine</i> , 2021, 23, e3342.	2.8	2
7	mRNA vaccines manufacturing: Challenges and bottlenecks. <i>Vaccine</i> , 2021, 39, 2190-2200.	3.8	214
8	Functionalization of Cellulose-Based Hydrogels with Bi-Functional Fusion Proteins Containing Carbohydrate-Binding Modules. <i>Materials</i> , 2021, 14, 3175.	2.9	4
9	Manufacturing of bacteriophages for therapeutic applications. <i>Biotechnology Advances</i> , 2021, 49, 107758.	11.7	15
10	Recombination efficiency measurement by real-time PCR: A strategy to evaluate ParA-mediated minicircle production. <i>Analytical Biochemistry</i> , 2021, 628, 114285.	2.4	2
11	Minicircle Biopharmaceuticals—An Overview of Purification Strategies. <i>Frontiers in Chemical Engineering</i> , 2021, 2, .	2.7	9
12	Purification of Plasmid DNA by Multimodal Chromatography. <i>Methods in Molecular Biology</i> , 2021, 2197, 193-205.	0.9	1
13	Primary Purification of Plasmid DNA Using Differential Isopropanol Precipitation. <i>Methods in Molecular Biology</i> , 2021, 2197, 151-165.	0.9	1
14	Affinity-Based Magnetic Particles for the Purification of Single-Stranded DNA Scaffolds for Biomanufacturing DNA-Origami Nanostructures. <i>ACS Applied Nano Materials</i> , 2021, 4, 14169-14177.	5.0	3
15	Fluorescent dye nano-assemblies by thiol attachment directed to the tips of gold nanorods for effective emission enhancement. <i>Nanoscale</i> , 2020, 12, 6334-6345.	5.6	16
16	Monitoring Proteolytic Activity in Real Time: A New World of Opportunities for Biosensors. <i>Trends in Biochemical Sciences</i> , 2020, 45, 604-618.	7.5	13
17	Density Gradient Selection of Colloidal Silver Nanotriangles for Assembling Dye-Particle Plasmaphores. <i>Nanomaterials</i> , 2019, 9, 893.	4.1	5
18	Back Cover Picture: <i>Biotechnology Journal</i> 8/2019. <i>Biotechnology Journal</i> , 2019, 14, 1970084.	3.5	0

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19	Ionic Liquid-Polymer Nanoparticle Hybrid Systems as New Tools to Deliver Poorly Soluble Drugs. <i>Nanomaterials</i> , 2019, 9, 1148.	4.1	38
20	Colorimetric Detection of DNA Strands on Cellulose Microparticles Using ZZâ€œCBM Fusions and Gold Nanoparticles. <i>Biotechnology Journal</i> , 2019, 14, 1800590.	3.5	4
21	Plasmid Copy Number of pTRKH3 in <i>Lactococcus lactis</i> Increased by Modification of the pDERibosomeâ€œBinding Site. <i>Biotechnology Journal</i> , 2019, 14, 1800587.	3.5	2
22	Extreme Enhancement of Single-Molecule Fluorescence from Porphyrins Induced by Gold Nanodimer Antennas. <i>Journal of Physical Chemistry Letters</i> , 2019, 10, 1542-1549.	4.6	23
23	Engineering of Human Mesenchymal Stem/Stromal Cells with Vascular Endothelial Growth Factorâ€œEncoding Minicircles for Angiogenic <i>Ex Vivo</i> Gene Therapy. <i>Human Gene Therapy</i> , 2019, 30, 316-329.	2.7	16
24	Multimodal chromatography of supercoiled minicircles: A closer look into DNA-ligand interactions. <i>Separation and Purification Technology</i> , 2019, 212, 161-170.	7.9	11
25	Enhanced Fluorescence of a Dye on DNA-Assembled Gold Nanodimers Discriminated by Lifetime Correlation Spectroscopy. <i>Journal of Physical Chemistry C</i> , 2018, 122, 10971-10980.	3.1	15
26	Gold Nanotriangles as Selective Catalysts for Cyclohexanol and Cyclohexanone Production. <i>Applied Sciences (Switzerland)</i> , 2018, 8, 2655.	2.5	5
27	Production and Purification of Supercoiled Minicircles by a Combination of <i>In Vitro</i> Endonuclease Nicking and Hydrophobic Interaction Chromatography. <i>Human Gene Therapy Methods</i> , 2018, 29, 157-168.	2.1	9
28	Re-engineering of an <i>Escherichia coli</i> K-12 strain for the efficient production of recombinant human Interferon Gamma. <i>Enzyme and Microbial Technology</i> , 2018, 117, 23-31.	3.2	3
29	Stability and Ligand Promiscuity of Type A Carbohydrate-binding Modules Are Illustrated by the Structure of <i>Spirochaeta thermophila</i> StCBM64C. <i>Journal of Biological Chemistry</i> , 2017, 292, 4847-4860.	3.4	19
30	A biomolecular recognition approach for the functionalization of cellulose with gold nanoparticles. <i>Journal of Molecular Recognition</i> , 2017, 30, e2634.	2.1	11
31	Fluorescence correlation spectroscopy study of the complexation of DNA hybrids, IgG antibody, and a chimeric protein of IgG-binding ZZ domains fused with a carbohydrate binding module. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 16606-16614.	2.8	9
32	A process for supercoiled plasmid DNA purification based on multimodal chromatography. <i>Separation and Purification Technology</i> , 2017, 182, 94-100.	7.9	20
33	Colorimetric detection of D-dimer in a paper-based immunodetection device. <i>Analytical Biochemistry</i> , 2017, 538, 5-12.	2.4	16
34	Separation of plasmid DNA topoisomers by multimodal chromatography. <i>Analytical Biochemistry</i> , 2016, 503, 68-70.	2.4	10
35	Dynamics of droplets of biological fluids on smooth superhydrophobic surfaces under electrostatic actuation. <i>Journal of Bionic Engineering</i> , 2016, 13, 220-234.	5.0	20
36	Improvement of DNA minicircle production by optimization of the secondary structure of the 5â€œ-UTR of ParA resolvase. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 6725-6737.	3.6	12

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37	Development of a nicking endonuclease-assisted method for the purification of minicircles. <i>Journal of Chromatography A</i> , 2016, 1443, 136-144.	3.7	20
38	Use of DNA Stabilizers to Extend Plasmid Biological Activity. <i>Current Bionanotechnology</i> , 2016, 1, 102-109.	0.6	1
39	Towards effective non-viral gene delivery vector. <i>Biotechnology and Genetic Engineering Reviews</i> , 2015, 31, 82-107.	6.2	26
40	<i>In situ</i> NIR spectroscopy monitoring of plasmid production processes: effect of producing strain, medium composition and the cultivation strategy. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 255-261.	3.2	20
41	Preparation of liposome membrane adsorbers and testing for plasmid purification. <i>Biochemical Engineering Journal</i> , 2015, 93, 1-10.	3.6	2
42	G protein-Coupled Receptors: An Overview of Signaling Mechanisms and Screening Assays. <i>Methods in Molecular Biology</i> , 2015, 1272, 3-19.	0.9	10
43	Use of ImageJ to Recover Information from Individual Cells in a G Protein-Coupled Receptor Assay. <i>Methods in Molecular Biology</i> , 2015, 1272, 143-172.	0.9	3
44	Monitoring intracellular calcium in response to GPCR activation using thin-film silicon photodiodes with integrated fluorescence filters. <i>Biosensors and Bioelectronics</i> , 2014, 52, 232-238.	10.1	10
45	Development of a phenyl membrane chromatography-based process yielding pharmaceutical grade plasmid deoxyribonucleic acid for mammalian cells transfection. <i>Journal of Chromatography A</i> , 2014, 1337, 67-74.	3.7	8
46	Plasmid DNA production with <i>Escherichia coli</i> GALG20, a <i>pgi</i> -gene knockout strain: Fermentation strategies and impact on downstream processing. <i>Journal of Biotechnology</i> , 2014, 186, 119-127.	3.8	24
47	Characterization of the topography and wettability of English weed leaves and biomimetic replicas. <i>Journal of Bionic Engineering</i> , 2014, 11, 346-359.	5.0	26
48	Evidence that the insertion events of IS2 transposition are biased towards abrupt compositional shifts in target DNA and modulated by a diverse set of culture parameters. <i>Applied Microbiology and Biotechnology</i> , 2014, 98, 6609-6619.	3.6	8
49	Engineering of <i>Escherichia coli</i> strains for plasmid biopharmaceutical production: Scale-up challenges. <i>Vaccine</i> , 2014, 32, 2847-2850.	3.8	11
50	Capture and Detection of DNA Hybrids on Paper via the Anchoring of Antibodies with Fusions of Carbohydrate Binding Modules and ZZ-Domains. <i>Analytical Chemistry</i> , 2014, 86, 4340-4347.	6.5	61
51	On the dual effect of glucose during production of pBAD/AraC-based minicircles. <i>Vaccine</i> , 2014, 32, 2843-2846.	3.8	14
52	Plasmid Biopharmaceuticals. <i>Microbiology Spectrum</i> , 2014, 2, .	3.0	32
53	Thin-film amorphous silicon photodiodes with integrated fluorescent filters for monitoring live-cell G-protein coupled receptors (GPCR). , , .		0
54	Enhancement of DNA Vaccine Efficacy by Intracellular Targeting Strategies. <i>Methods in Molecular Biology</i> , 2014, 1143, 33-59.	0.9	2

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55	Streaming currents in microfluidics with integrated polarizable electrodes. <i>Microfluidics and Nanofluidics</i> , 2013, 15, 361-376.	2.2	8
56	Detection of ochratoxin A in wine and beer by chemiluminescence-based ELISA in microfluidics with integrated photodiodes. <i>Sensors and Actuators B: Chemical</i> , 2013, 176, 232-240.	7.8	74
57	Impact of plasmid size on the purification of model plasmid DNA vaccines by phenyl membrane adsorbers. <i>Journal of Chromatography A</i> , 2013, 1315, 145-151.	3.7	7
58	De novo creation of MG1655-derived <i>E. coli</i> strains specifically designed for plasmid DNA production. <i>Applied Microbiology and Biotechnology</i> , 2013, 97, 611-620.	3.6	35
59	Impact of Plasmid Quality on Lipoplex-Mediated Transfection. <i>Journal of Pharmaceutical Sciences</i> , 2013, 102, 3932-3941.	3.3	16
60	Metabolic viability of <i>Escherichia coli</i> trapped by dielectrophoresis in microfluidics. <i>Electrophoresis</i> , 2013, 34, 575-582.	2.4	18
61	Validation and scale-up of plasmid DNA purification by phenylboronic acid chromatography. <i>Journal of Separation Science</i> , 2012, 35, 3190-3196.	2.5	6
62	Integrated On-chip Photodetection of Intracellular Calcium in Response to the Activation of G-protein Coupled Receptors. <i>Procedia Engineering</i> , 2012, 47, 993-996.	1.2	0
63	Liposome Derived Membrane Adsorber for Purification of Nucleic Acids. <i>Procedia Engineering</i> , 2012, 44, 1463-1464.	1.2	0
64	Toward Therapeutic Plasmids Purification by Hydrophobic Interaction Membrane Chromatography. <i>Procedia Engineering</i> , 2012, 44, 946-947.	1.2	0
65	Integrated detection of intrinsic fluorophores in live microbial cells using an array of thin film amorphous silicon photodetectors. <i>Biosensors and Bioelectronics</i> , 2012, 36, 242-249.	10.1	8
66	Towards the miniaturization of GPCR-based live-cell screening assays. <i>Trends in Biotechnology</i> , 2012, 30, 566-574.	9.3	31
67	Streaming current measurements in micro and nanofluidic channels for label-free multiplexed genomics diagnostics. , 2012, , .		1
68	Rational engineering of <i>Escherichia coli</i> strains for plasmid biopharmaceutical manufacturing. <i>Biotechnology Journal</i> , 2012, 7, 251-261.	3.5	42
69	Development of a recombinant fusion protein based on the dynein light chain LC8 for non-viral gene delivery. <i>Journal of Controlled Release</i> , 2012, 159, 222-231.	9.9	23
70	Protein-DNA interactions define the mechanistic aspects of circle formation and insertion reactions in IS2 transposition. <i>Mobile DNA</i> , 2012, 3, 1.	3.6	19
71	Lab-on-a-Chip Ochratoxin A Detection Using Competitive ELISA in Microfluidics with Integrated Photodiode Signal Acquisition. <i>Procedia Engineering</i> , 2011, 25, 1205-1208.	1.2	6
72	Electrical detection of DNA immobilization and hybridization by streaming current measurements in microchannels. <i>Applied Physics Letters</i> , 2011, 99, 183702.	3.3	10

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73	Microspot-based ELISA in microfluidics: chemiluminescence and colorimetry detection using integrated thin-film hydrogenated amorphous silicon photodiodes. <i>Lab on A Chip</i> , 2011, 11, 4063.	6.0	64
74	<i>Trypanosoma brucei</i> : Immunisation with plasmid DNA encoding invariant surface glycoprotein gene is able to induce partial protection in experimental African trypanosomiasis. <i>Experimental Parasitology</i> , 2011, 127, 18-24.	1.2	22
75	Studies on the adsorption of cell impurities from plasmid-containing lysates to phenyl boronic acid chromatographic beads. <i>Journal of Chromatography A</i> , 2011, 1218, 8629-8637.	3.7	22
76	Mutation detection in plasmid-based biopharmaceuticals. <i>Biotechnology Journal</i> , 2011, 6, 378-391.	3.5	4
77	Purification of plasmid DNA from <i>Escherichia coli</i> ferments using anion-exchange membrane and hydrophobic chromatography. <i>Biotechnology and Applied Biochemistry</i> , 2011, 58, 68-74.	3.1	9
78	Integration of thin film amorphous silicon photodetector with lab-on-chip for monitoring protein fluorescence in solution and in live microbial cells. <i>Sensors and Actuators B: Chemical</i> , 2011, 156, 662-667.	7.8	14
79	Heterogeneous immunoassays in microfluidic format using fluorescence detection with integrated amorphous silicon photodiodes. <i>Biomicrofluidics</i> , 2011, 5, 14102.	2.4	23
80	Amorphous Silicon Photosensors for Detection of Intrinsic Cell Fluorophores. <i>Materials Research Society Symposia Proceedings</i> , 2011, 1321, 435.	0.1	2
81	Evidence for the in vivo expression of a distant downstream gene under the control of ColE1 replication origin. <i>Applied Microbiology and Biotechnology</i> , 2010, 86, 671-679.	3.6	0
82	Analysis of DNA repeats in bacterial plasmids reveals the potential for recurrent instability events. <i>Applied Microbiology and Biotechnology</i> , 2010, 87, 2157-2167.	3.6	21
83	Characterisation of hydrogenated silicon-carbon alloy filters with different carbon composition for on-chip fluorescence detection of biomolecules. <i>Sensors and Actuators A: Physical</i> , 2010, 163, 96-100.	4.1	20
84	Comparative Analysis of Antigen-Targeting Sequences Used in DNA Vaccines. <i>Molecular Biotechnology</i> , 2010, 44, 204-212.	2.4	8
85	Quantitation of non-amplified genomic DNA by bead-based hybridization and template mediated extension coupled to alkaline phosphatase signal amplification. <i>Biotechnology Letters</i> , 2010, 32, 229-234.	2.2	5
86	Hydrophobic interaction membrane chromatography for plasmid DNA purification: Design and optimization. <i>Journal of Separation Science</i> , 2010, 33, 1175-1184.	2.5	20
87	Capture of human monoclonal antibodies from a clarified cell culture supernatant by phenyl boronate chromatography. <i>Journal of Molecular Recognition</i> , 2010, 23, 569-576.	2.1	30
88	Clearance of host cell impurities from plasmid-containing lysates by boronate adsorption. <i>Journal of Chromatography A</i> , 2010, 1217, 2262-2266.	3.7	24
89	Patterned functionalization layer for sub- $\mu$ L DNA solid-phase immobilization and hybridization. <i>Sensors and Actuators B: Chemical</i> , 2010, 149, 432-438.	7.8	2
90	Spectral selectivity constraints in fluorescence detection of biomolecules using amorphous silicon based detectors. <i>Physica Status Solidi C: Current Topics in Solid State Physics</i> , 2010, 7, 1156-1159.	0.8	2

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91	Optimization of DNA Hybridization on Aminopropyl-Controlled Pore-Glass Particles: Detection of Non-Labeled Targets by PicoGreen Staining. <i>Analytical Letters</i> , 2010, 43, 2694-2704.	1.8	1
92	DNA vaccines: a rational design against parasitic diseases. <i>Expert Review of Vaccines</i> , 2010, 9, 175-191.	4.4	24
93	Alternatives for the intermediate recovery of plasmid DNA: Performance, economic viability and environmental impact. <i>Biotechnology Journal</i> , 2009, 4, 265-278.	3.5	21
94	Detection of fluorescently labeled biomolecules immobilized on a detachable substrate using an integrated amorphous silicon photodetector. <i>Applied Physics Letters</i> , 2009, 94, 164106.	3.3	10
95	Chemiluminescent Detection of Horseradish Peroxidase Using an Integrated Amorphous Silicon Thin-Film Photosensor. <i>IEEE Sensors Journal</i> , 2009, 9, 1282-1290.	4.7	23
96	Comparison of amorphous silicon photodiodes and photoconductors for detection of quantum dot biomolecular tags. <i>Journal of Applied Physics</i> , 2009, 106, .	2.5	7
97	The effect of the shape of single, sub-ms voltage pulses on the rates of surface immobilization and hybridization of DNA. <i>Nanotechnology</i> , 2009, 20, 015503.	2.6	6
98	Enzymatic Biosensors with Integrated Thin Film a-Si:H Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1153, 1.	0.1	0
99	Miniaturization of Immunoassays Using Optical Detection with Integrated Amorphous Silicon Photodiodes. <i>Materials Research Society Symposia Proceedings</i> , 2009, 1191, 66.	0.1	0
100	Structural instability of plasmid biopharmaceuticals: challenges and implications. <i>Trends in Biotechnology</i> , 2009, 27, 503-511.	9.3	41
101	Evaluation of the Effect of Non-B DNA Structures on Plasmid Integrity Via Accelerated Stability Studies. <i>Journal of Pharmaceutical Sciences</i> , 2009, 98, 1400-1408.	3.3	5
102	Improvement of transfection efficiency by using supercoiled plasmid DNA purified with arginine affinity chromatography. <i>Journal of Gene Medicine</i> , 2009, 11, 79-88.	2.8	73
103	Binding and elution strategy for improved performance of arginine affinity chromatography in supercoiled plasmid DNA purification. <i>Biomedical Chromatography</i> , 2009, 23, 160-165.	1.7	22
104	Histidine affinity chromatography of homo-oligonucleotides. Role of multiple interactions on retention. <i>Biomedical Chromatography</i> , 2009, 23, 745-753.	1.7	30
105	Trans-sialidase from <i>Trypanosoma brucei</i> as a potential target for DNA vaccine development against African trypanosomiasis. <i>Parasitology Research</i> , 2009, 105, 1223-9.	1.6	23
106	Purification of plasmid DNA using tangential flow filtration and tandem anion-exchange membrane chromatography. <i>Bioprocess and Biosystems Engineering</i> , 2009, 32, 615-623.	3.4	31
107	Recovery and partial purification of penicillin G acylase from <i>E. coli</i> homogenate and <i>B. megaterium</i> culture medium using an expanded bed adsorption column. <i>Biochemical Engineering Journal</i> , 2009, 44, 111-118.	3.6	17
108	The role of probe-probe interactions on the hybridization of double-stranded DNA targets onto DNA-modified magnetic microparticles. <i>Analytical and Bioanalytical Chemistry</i> , 2009, 394, 1711-1716.	3.7	8



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109	Effect of cationic liposomes/DNA charge ratio on gene expression and antibody response of a candidate DNA vaccine against Maedi Visna virus. <i>International Journal of Pharmaceutics</i> , 2009, 377, 92-98.	5.2	13
110	Deletion formation mutations in plasmid expression vectors are unfavored by runaway amplification conditions and differentially selected under kanamycin stress. <i>Journal of Biotechnology</i> , 2009, 143, 231-238.	3.8	13
111	Ionic Conductivity Measurements in a SiO <sub>2</sub> Nanochannel with PDMS Interconnects. <i>Procedia Chemistry</i> , 2009, 1, 1095-1098.	0.7	4
112	Purification of plasmid DNA with aqueous two phase systems of PEG 600 and sodium citrate/ammonium sulfate. <i>Separation and Purification Technology</i> , 2009, 65, 22-30.	7.9	108
113	Plasmid purification by hydrophobic interaction chromatography using sodium citrate in the mobile phase. <i>Separation and Purification Technology</i> , 2009, 65, 95-104.	7.9	32
114	Application of central composite design for DNA hybridization onto magnetic microparticles. <i>Analytical Biochemistry</i> , 2009, 391, 17-23.	2.4	23
115	Stabilization of naked and condensed plasmid DNA against degradation induced by ultrasounds and high shear vortices. <i>Biotechnology and Applied Biochemistry</i> , 2009, 53, 237-246.	3.1	12
116	Bringing DNA vaccines closer to commercial use. <i>IDrugs: the Investigational Drugs Journal</i> , 2009, 12, 642-7.	0.7	2
117	Colorimetric detection of molecular recognition reactions with an enzyme biolabel using a thin-film amorphous silicon photodiode on a glass substrate. <i>Sensors and Actuators B: Chemical</i> , 2008, 135, 102-107.	7.8	13
118	Chemiluminescent bead-based hybridization assay for the detection of genomic DNA from <i>E. coli</i> in purified plasmid samples. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 2179-2187.	3.7	12
119	High Frequency Plasmid Recombination Mediated by 28bp Direct Repeats. <i>Molecular Biotechnology</i> , 2008, 40, 252-60.	2.4	25
120	Prediction of diffusion coefficients of plasmids. <i>Biotechnology and Bioengineering</i> , 2008, 99, 1040-1044.	3.3	34
121	Detection of DNA and proteins using amorphous silicon ion-sensitive thin-film field effect transistors. <i>Biosensors and Bioelectronics</i> , 2008, 24, 545-551.	10.1	83
122	Specific recognition of supercoiled plasmid DNA in arginine affinity chromatography. <i>Analytical Biochemistry</i> , 2008, 374, 432-434.	2.4	57
123	Recombination frequency in plasmid DNA containing direct repeats—predictive correlation with repeat and intervening sequence length. <i>Plasmid</i> , 2008, 60, 159-165.	1.4	21
124	Affinity chromatography approaches to overcome the challenges of purifying plasmid DNA. <i>Trends in Biotechnology</i> , 2008, 26, 518-525.	9.3	105
125	Detection of molecular tags with an integrated amorphous silicon photodetector for biological applications. <i>Journal of Non-Crystalline Solids</i> , 2008, 354, 2594-2597.	3.1	14
126	Amorphous Silicon Thin-Film Transistors Gated Through an Electrolyte Solution. <i>IEEE Electron Device Letters</i> , 2008, 29, 1030-1033.	3.9	3



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127	Fluorescence detection of DNA using an amorphous silicon p-i-n photodiode. <i>Journal of Applied Physics</i> , 2008, 104, 054913.	2.5	17
128	Fluorescence Detection of DNA Hybridization Using an Integrated Thin-Film Amorphous Silicon n-i-p Photodiode. <i>Materials Research Society Symposia Proceedings</i> , 2008, 1066, 1.	0.1	0
129	On-Chip Control of DNA Immobilization and Hybridization with Nanosecond Electric Field Pulses. , 2007, , .		1
130	Detection of Chemiluminescence Using an Amorphous Silicon Photodiode. <i>IEEE Sensors Journal</i> , 2007, 7, 415-416.	4.7	31
131	Development of a candidate DNA vaccine against Maedi-Visna virus. <i>Veterinary Immunology and Immunopathology</i> , 2007, 119, 222-232.	1.2	10
132	Circular dichroism investigation of the effect of plasmid DNA structure on retention in histidine chromatography. <i>Archives of Biochemistry and Biophysics</i> , 2007, 467, 154-162.	3.0	27
133	Dynamic binding capacity of plasmid DNA in histidine-agarose chromatography. <i>Biomedical Chromatography</i> , 2007, 21, 993-998.	1.7	41
134	The impact of polyadenylation signals on plasmid nuclease-resistance and transgene expression. <i>Journal of Gene Medicine</i> , 2007, 9, 392-402.	2.8	79
135	Preparation of plasmid DNA polyplexes from alkaline lysates by a two-step aqueous two-phase extraction process. <i>Journal of Chromatography A</i> , 2007, 1164, 105-112.	3.7	34
136	pH sensitive photoconductor based on poly(para-phenylene-vinylene). <i>Sensors and Actuators B: Chemical</i> , 2007, 123, 153-157.	7.8	16
137	Chemical synthesis and crystallization of the dipeptide AcPhelleNH <sub>2</sub> in TTAB/heptane/octanol reversed micelles. <i>Journal of Colloid and Interface Science</i> , 2007, 305, 198-201.	9.4	3
138	Time-course determination of plasmid content in eukaryotic and prokaryotic cells using Real-Time PCR. <i>Molecular Biotechnology</i> , 2007, 37, 120-126.	2.4	42
139	On the stability of plasmid DNA vectors during cell culture and purification. <i>Molecular Biotechnology</i> , 2007, 36, 151-158.	2.4	19
140	DNA Vaccines. , 2007, , 219-232.		0
141	Label-free electronic detection of biomolecules using a-Si:H field-effect devices. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 2007-2010.	3.1	11
142	Thin-film silicon MEMS DNA sensors. <i>Journal of Non-Crystalline Solids</i> , 2006, 352, 1999-2003.	3.1	11
143	Optimization of the primary recovery of human interferon $\beta$ from <i>Escherichia coli</i> inclusion bodies. <i>Protein Expression and Purification</i> , 2006, 45, 226-234.	1.3	29
144	Optimization of Isopropanol and Ammonium Sulfate Precipitation Steps in the Purification of Plasmid DNA. <i>Biotechnology Progress</i> , 2006, 22, 1179-1186.	2.6	35

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145	Selective purification of supercoiled plasmid DNA from clarified cell lysates with a single histidine-agarose chromatography step. <i>Biotechnology and Applied Biochemistry</i> , 2006, 45, 131.	3.1	71
146	Single base mismatch detection by microsecond voltage pulses. <i>Biosensors and Bioelectronics</i> , 2005, 21, 888-893.	10.1	19
147	Chromatography of plasmid DNA. <i>Journal of Chromatography A</i> , 2005, 1069, 3-22.	3.7	165
148	Separation of supercoiled and open circular plasmid DNA isoforms by chromatography with a histidine-agarose support. <i>Analytical Biochemistry</i> , 2005, 343, 183-185.	2.4	51
149	Purification of plasmid DNA vectors by aqueous two-phase extraction and hydrophobic interaction chromatography. <i>Journal of Chromatography A</i> , 2005, 1082, 176-184.	3.7	83
150	Ethanol biosensors based on alcohol oxidase. <i>Biosensors and Bioelectronics</i> , 2005, 21, 235-247.	10.1	213
151	Trends in dengue diagnosis. <i>Reviews in Medical Virology</i> , 2005, 15, 287-302.	8.3	82
152	Thin Film Silicon Microbridges for DNA Detection. <i>Materials Research Society Symposia Proceedings</i> , 2005, 872, 1.	0.1	0
153	Electric-field assisted immobilization and hybridization of DNA oligomers on thin-film microchips. <i>Nanotechnology</i> , 2005, 16, 2061-2071.	2.6	36
154	Purification of plasmid (pVaxLacZ) by hydrophobic interaction chromatography. <i>Brazilian Archives of Biology and Technology</i> , 2005, 48, 113-117.	0.5	8
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