Sylvia Daunert

List of Publications by Year
in descending order

181 papers	5,649 citations	71102 41 h-index	95266 68 g-index
205 all docs	205 docs citations	205 times ranked	6715 citing authors

#	Article	IF	Citations
1	Reagentless electrochemical biosensors through incorporation of unnatural amino acids on the protein structure. Biosensors and Bioelectronics, 2022, 200, 113861.	10.1	4
2	Modulation of <scp>CD36</scp>â€mediated lipid accumulation and senescence by vitamin E analogs in monocytes and macrophages. BioFactors, 2022, 48, 665-682.	5.4	5
3	Delivery of therapeutic agents and cells to pancreatic islets: Towards a new era in the treatment of diabetes. Molecular Aspects of Medicine, 2022, 83, 101063.	6.4	8
4	Inflammasome-Regulated Pyroptotic Cell Death in Disruption of the Gut-Brain Axis After Stroke. Translational Stroke Research, 2022, 13, 898-912.	4.2	10
5	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B₁ in Wheat Samples. Analysis & Sensing, 2022, 2, .	2.0	0
6	Monitoring Pathogenic Viable E. coli O157:H7 in Food Matrices Based on the Detection of RNA Using Isothermal Amplification and a Paper-Based Platform. Analytical Chemistry, 2022, 94, 2485-2492.	6.5	21
7	Opioid Antagonist Nanodrugs Successfully Attenuate the Severity of Ischemic Stroke. Molecular Pharmaceutics, 2022, 19, 2254-2267.	4.6	3
8	Role of cannabinoids and vitamin E analogues in macrophages foam cells formation. FASEB Journal, 2022, 36, .	0.5	0
9	The Anti-Inflammatory Effects of Cannabidiol (CBD) on Acne. Journal of Inflammation Research, 2022, Volume 15, 2795-2801.	3.5	16
10	Isothermal Amplification and Lateral Flow Nucleic Acid Test for the Detection of Shiga Toxin-Producing Bacteria for Food Monitoring. Chemosensors, 2022, 10, 210.	3.6	5
11	Design of a mediator-free, non-enzymatic electrochemical biosensor for glutamate detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 31, 102305.	3.3	21
12	Modulation of CD36â€mediated Lipid Accumulation and Senescence by Vitamin E Analogues in Monocytes and Macrophages. FASEB Journal, 2021, 35, .	0.5	0
13	William â€œBillâ€Joseph Whelan, D.Sc., <scp>FRS</scp> November 14, 1924 to June 5, 2021. IUBMB Life, 2021, 73, 994-1001.	3.4	1
14	Current salivary biomarkers for detection of human papilloma virusâ€induced oropharyngeal squamous cell carcinoma. Head and Neck, 2021, 43, 3618-3630.	2.0	6
15	Dexamethasone (DXM)â€Coated Poly(lacticâ€coâ€glycolic acid) (PLGA) Microneedles as an Improved Drug Delivery System for Intracochlear Biodegradable Devices. Advanced Therapeutics, 2021, 4, 2100155.	3.2	6
16	On-site detection of food and waterborne bacteria â€“ Current technologies, challenges, and future directions. Trends in Food Science and Technology, 2021, 115, 409-421.	15.1	17
17	A new class of sensing elements for sensors: Clamp peptides for Zika virus. Biosensors and Bioelectronics, 2021, 191, 113471.	10.1	8
18	Microbial whole-cell biosensors: Current applications, challenges, and future perspectives. Biosensors and Bioelectronics, 2021, 191, 113359.	10.1	60

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19	Peptide-Modified Biopolymers for Biomedical Applications. ACS Applied Bio Materials, 2021, 4, 229-251.	4.6	13
20	Drug delivery: Challenges and nanotechnology-based solutions. Molecular Aspects of Medicine, 2021, 83, 101051.	6.4	1
21	Experimental Models of COVID-19. Frontiers in Cellular and Infection Microbiology, 2021, 11, 792584.	3.9	27
22	Peptide-Functionalized Dendrimer Nanocarriers for Targeted Microdystrophin Gene Delivery. Pharmaceutics, 2021, 13, 2159.	4.5	7
23	Mapping carcinogen exposure across urban fire incident response arenas using passive silicone-based samplers. Ecotoxicology and Environmental Safety, 2021, 228, 112929.	6.0	3
24	The Role of Platelet-Rich Plasma in the Prevention of Chemotherapy-Induced Alopecia. Skin Appendage Disorders, 2020, 6, 58-60.	1.0	2
25	Evaluation of silicone-based wristbands as passive sampling systems using PAHs as an exposure proxy for carcinogen monitoring in firefighters: Evidence from the firefighter cancer initiative. Ecotoxicology and Environmental Safety, 2020, 205, 111100.	6.0	25
26	The Inflammatory Aspect of Male and Female Pattern Hair Loss . Journal of Inflammation Research, 2020, Volume 13, 879-881.	3.5	23
27	Vaccination against cocaine using a modifiable dendrimer nanoparticle platform. Vaccine, 2020, 38, 7989-7997.	3.8	5
28	Advances in Translational Nanotechnology: Challenges and Opportunities. Applied Sciences (Switzerland), 2020, 10, 4881.	2.5	6
29	An Intact Cell Bioluminescence-Based Assay for the Simple and Rapid Diagnosis of Urinary Tract Infection. International Journal of Molecular Sciences, 2020, 21, 5015.	4.1	11
30	Identification of a Signaling Mechanism by Which the Microbiome Regulates Th17 Cell-Mediated Depressive-Like Behaviors in Mice. American Journal of Psychiatry, 2020, 177, 974-990.	7.2	58
31	The Paradox of HIV Bloodâ€“Brain Barrier Penetrance and Antiretroviral Drug Delivery Deficiencies. Trends in Neurosciences, 2020, 43, 695-708.	8.6	85
32	Objective Measurement of Carcinogens Among Dominican Republic Firefighters Using Silicone-Based Wristbands. JCO Global Oncology, 2020, 6, 15-15.	1.8	1
33	Cannabidiol as a Novel Therapeutic for Immune Modulation . ImmunoTargets and Therapy, 2020, Volume 9, 131-140.	5.8	29
34	A Preliminary Study on the Influence of Cannabis and Opioid Use on Weight Loss and Mental Health Biomarkers Post-weight Loss Surgery. Obesity Surgery, 2020, 30, 4331-4338.	2.1	0
35	Bioluminescent detection of zearalenone using recombinant peptidomimetic Gaussia luciferase fusion protein. Mikrochimica Acta, 2020, 187, 547.	5.0	15
36	Bioluminescent Proteinâ€“Inhibitor Pair in the Design of a Molecular Aptamer Beacon Biosensing System. Analytical Chemistry, 2020, 92, 7393-7398.	6.5	8

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37	COVID19: A Systematic Approach to Early Identification and Healthcare Worker Protection. Frontiers in Public Health, 2020, 8, 205.	2.7	28
38	Self-Reported Depression and Duodenal Cortisol Biomarkers Are Related to Weight Loss in Young Metabolic and Bariatric Surgery Patients. Bariatric Surgical Patient Care, 2020, 15, 73-80.	0.5	1
39	Facile Synthesis and Characterization of a Novel Tamavidinâ€Luciferase Reporter Fusion Protein for Universal Signaling Applications. Advanced Biology, 2020, 4, 1900166.	3.0	1
40	Objective Measurement of Carcinogens Among Dominican Republic Firefighters Using Silicone-Based Wristbands. Journal of Occupational and Environmental Medicine, 2020, 62, e611-e615.	1.7	12
41	Opioid antagonists as potential therapeutics for ischemic stroke. Progress in Neurobiology, 2019, 182, 101679.	5.7	30
42	Molecular Aptamer Beacons and Their Applications in Sensing, Imaging, and Diagnostics. Small, 2019, 15, e1902248.	10.0	63
43	Orally Administrable Therapeutic Synthetic Nanoparticle for Zika Virus. ACS Nano, 2019, 13, 11034-11048.	14.6	49
44	Molecular Aptamer Beacons: Molecular Aptamer Beacons and Their Applications in Sensing, Imaging, and Diagnostics (Small 35/2019). Small, 2019, 15, 1970187.	10.0	1
45	Computationally Designed Peptides for Zika Virus Detection: An Incremental Construction Approach. Biomolecules, 2019, 9, 498.	4.0	9
46	Multiplexing cytokine analysis: towards reducing sample volume needs in clinical diagnostics. Analyst, The, 2019, 144, 3250-3259.	3.5	5
47	Highly Sensitive and Selective Direct Detection of Zika Virus Particles in Human Bodily Fluids for Accurate Early Diagnosis of Infection. ACS Omega, 2019, 4, 6808-6818.	3.5	10
48	Enhanced Delivery of Plasmid DNA to Skeletal Muscle Cells using a DLC8-Binding Peptide and ASSLNIA-Modified PAMAM Dendrimer. Molecular Pharmaceutics, 2019, 16, 2376-2384.	4.6	15
49	O1D.2â€...Objective measurement of work-environment carcinogenic exposures in florida firefighters using silicone-based passive sampling wristbands. Occupational and Environmental Medicine, 2019, 76, A9.2-A9.	2.8	0
50	Accelerated coronary atherosclerosis not explained by traditional risk factors in 13% of young individuals. American Heart Journal, 2019, 208, 47-54.	2.7	6
51	Modulation of lipid accumulation in monocytes and macrophages by cyclodextrinâ€based nanocarriers for alphaâ€tocopheryl phosphate. FASEB Journal, 2019, 33, 654.14.	0.5	1
52	Investigation of Microbiota Alterations and Intestinal Inflammation Post-Spinal Cord Injury in Rat Model. Journal of Neurotrauma, 2018, 35, 2159-2166.	3.4	71
53	964â€...Passive monitoring of chemical exposures in south florida firefighters using silicone wristbands. , 2018, , .		0
54	967â€...Evaluating temperature changes and volatile organic compound off-gassing in turnout protective gear ensembles among florida firefighters. , 2018, , .		0

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55	Design of Gaussia luciferase-based bioluminescent stem-loop probe for sensitive detection of HIV-1 nucleic acids. Analyst, The, 2018, 143, 3374-3381.	3.5	10
56	Trinucleotide Rolling Circle Amplification: A Novel Method for the Detection of RNA and DNA. Methods and Protocols, 2018, 1, 15.	2.0	9
57	Detection of bacterial contamination in food matrices by integration of quorum sensing in a paper-strip test. Analyst, The, 2018, 143, 4774-4782.	3.5	16
58	Towards a Pointâ€ofâ€Care Test for Bacterial Vaginosis: Design and Development of a Rapid Test for Vaginolysin. FASEB Journal, 2018, 32, 800.6.	0.5	0
59	Bioluminescent Annexin Fusion Proteins (AFPs) for Atherosclerosis Detection. FASEB Journal, 2018, 32, 798.10.	0.5	0
60	Expression of a soluble truncated Vargula luciferase in Escherichia coli. Protein Expression and Purification, 2017, 132, 68-74.	1.3	8
61	Nanotechnology-Driven Therapeutic Interventions in Wound Healing: Potential Uses and Applications. ACS Central Science, 2017, 3, 163-175.	11.3	342
62	Twenty-First Century Diseases: Commonly Rare and Rarely Common?. Antioxidants and Redox Signaling, 2017, 27, 511-516.	5.4	0
63	Transcriptional regulatory proteins as biosensing tools. Chemical Communications, 2017, 53, 6820-6823.	4.1	4
64	Bioorthogonal Protein Conjugation: Application to the Development of a Highly Sensitive Bioluminescent Immunoassay for the Detection of Interferon-Î³. Bioconjugate Chemistry, 2017, 28, 1749-1757.	3.6	12
65	An enhanced bioluminescence-based Annexin V probe for apoptosis detection in vitro and in vivo. Cell Death and Disease, 2017, 8, e2826-e2826.	6.3	23
66	Beyond Antibodies as Binding Partners: The Role of Antibody Mimetics in Bioanalysis. Annual Review of Analytical Chemistry, 2017, 10, 293-320.	5.4	88
67	Neurotransmitters: The Critical Modulators Regulating Gutâ€“Brain Axis. Journal of Cellular Physiology, 2017, 232, 2359-2372.	4.1	352
68	Engineering Rugged Field Assays to Detect Hazardous Chemicals Using Spore-Based Bacterial Biosensors. Methods in Enzymology, 2017, 589, 51-85.	1.0	10
69	The Aging Risk and Atherosclerosis: A Fresh Look at Arterial Homeostasis. Frontiers in Genetics, 2017, 8, 216.	2.3	103
70	Potential Impacts of PCBs on Sediment Microbiomes in a Tropical Marine Environment. Journal of Marine Science and Engineering, 2016, 4, 13.	2.6	1
71	Directing and Potentiating Stem Cell-Mediated Angiogenesis and Tissue Repair by Cell Surface E-Selectin Coating. PLoS ONE, 2016, 11, e0154053.	2.5	31
72	Red-Shifted Aequorin Variants Incorporating Non-Canonical Amino Acids: Applications in In Vivo Imaging. PLoS ONE, 2016, 11, e0158579.	2.5	27

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73	Adaptation to Stressors by Systemic Protein Amyloidogenesis. Developmental Cell, 2016, 39, 155-168.	7.0	136
74	Truncated Variants of Gaussia Luciferase with Tyrosine Linker for Site-Specific Bioconjugate Applications. Scientific Reports, 2016, 6, 26814.	3.3	19
75	Serotonin Activates Bacterial Quorum Sensing and Enhances the Virulence of Pseudomonas aeruginosa in the Host. EBioMedicine, 2016, 9, 161-169.	6.1	86
76	Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. Analytical Biochemistry, 2016, 498, 1-7.	2.4	5
77	Environmental PCBs in GuÃ¡nica Bay, Puerto Rico: implications for community health. Environmental Science and Pollution Research, 2016, 23, 2003-2013.	5.3	14
78	Abstract 371: Targeted Bone Marrow Cell Delivery Mediated by Nanocarriers Endowed with Molecular Recognition. Arteriosclerosis, Thrombosis, and Vascular Biology, 2016, 36, .	2.4	0
79	Bacterial Autoinducer-2 Detection via an Engineered Quorum Sensing Protein. Analytical Chemistry, 2015, 87, 2608-2614.	6.5	10
80	Enabling Aequorin for Biotechnology Applications Through Genetic Engineering. Advances in Biochemical Engineering/Biotechnology, 2015, , 149-179.	1.1	2
81	Nanoparticles for Fidgety Cell Movement and Enhanced Wound Healing. Journal of Investigative Dermatology, 2015, 135, 2151-2153.	0.7	7
82	Whole-Cell Biosensors as Tools for the Detection of Quorum-Sensing Molecules: Uses in Diagnostics and the Investigation of the Quorum-Sensing Mechanism. Advances in Biochemical Engineering/Biotechnology, 2015, , 181-200.	1.1	15
83	Glucose Recognition Proteins for Glucose Sensing at Physiological Concentrations and Temperatures. ACS Chemical Biology, 2014, 9, 1595-1602.	3.4	21
84	Aequorin mutants with increased thermostability. Analytical and Bioanalytical Chemistry, 2014, 406, 5639-5643.	3.7	11
85	Deciphering Bacterial Universal Language by Detecting the Quorum Sensing Signal, Autoinducer-2, with a Whole-Cell Sensing System. Analytical Chemistry, 2013, 85, 9604-9609.	6.5	36
86	A Targeted and Adjuvanted Nanocarrier Lowers the Effective Dose of Liposomal Amphotericin B and Enhances Adaptive Immunity in Murine Cutaneous Leishmaniasis. Journal of Infectious Diseases, 2013, 208, 1914-1922.	4.0	56
87	Bioluminescence Inhibition Assay for the Detection of Hydroxylated Polychlorinated Biphenyls. Analytical Chemistry, 2012, 84, 7648-7655.	6.5	9
88	Coloured Plates. , 2012, , 406-433.		0
89	Investigating the effect of antibiotics on quorum sensing with whole-cell biosensing systems. Analytical and Bioanalytical Chemistry, 2012, 402, 3227-3236.	3.7	16
90	Engineered cells as biosensing systems in biomedical analysis. Analytical and Bioanalytical Chemistry, 2012, 402, 3147-3159.	3.7	49

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91	Probing a myth: does the younger generation of scientists have it easier?. Analytical and Bioanalytical Chemistry, 2012, 403, 2065-2067.	3.7	3
92	A protein switch sensing system for the quantification of sulfate. Analytical Biochemistry, 2012, 421, 172-180.	2.4	11
93	Ten years of bliss: the scientific ABCs of unite and conquer. Analytical and Bioanalytical Chemistry, 2012, 402, 3-6.	3.7	0
94	Bioluminescence and Its Impact on Bioanalysis. Annual Review of Analytical Chemistry, 2011, 4, 297-319.	5.4	47
95	Cyclic AMP Receptor Proteinâ^'Aequorin Molecular Switch for Cyclic AMP. Bioconjugate Chemistry, 2011, 22, 475-481.	3.6	9
96	Bacterial spores as platforms for bioanalytical and biomedical applications. Analytical and Bioanalytical Chemistry, 2011, 400, 977-989.	3.7	84
97	Stability of spore-based biosensing systems under extreme conditions. Sensors and Actuators B: Chemical, 2011, 158, 377-382.	7.8	9
98	Integration of spore-based genetically engineered whole-cell sensing systems into portable centrifugal microfluidic platforms. Analytical and Bioanalytical Chemistry, 2010, 398, 349-356.	3.7	45
99	Fluorescent and Bioluminescent Cell-Based Sensors: Strategies for Their Preservation. , 2010, 117, 57-75.		16
100	Biosensing Systems Based on Genetically Engineered Whole Cells. , 2010, , 565-598.		6
101	Modulating the Bioluminescence Emission of Photoproteins by in Vivo Site-Directed Incorporation of Non-Natural Amino Acids. ACS Chemical Biology, 2010, 5, 455-460.	3.4	14
102	Packaging Sensing Cells in Spores for Long-Term Preservation of Sensors: A Tool for Biomedical and Environmental Analysis. Analytical Chemistry, 2010, 82, 6098-6103.	6.5	28
103	Paper Strip Whole Cell Biosensors: A Portable Test for the Semiquantitative Detection of Bacterial Quorum Signaling Molecules. Analytical Chemistry, 2010, 82, 4457-4463.	6.5	96
104	Integrating Biosensors and Drug Delivery: A Step Closer Toward Scalable Responsive Drugâ€Ðelivery Systems. Advanced Materials, 2009, 21, 656-660.	21.0	33
105	Glucose Responsive Hydrogel Networks Based on Protein Recognition. Macromolecular Bioscience, 2009, 9, 864-868.	4.1	61
106	Engineering Bioluminescent Proteins: Expanding their Analytical Potential. Analytical Chemistry, 2009, 81, 8662-8668.	6.5	49
107	A whole-cell assay for the high throughput screening of calmodulin antagonists. Analytical and Bioanalytical Chemistry, 2008, 390, 2073-2079.	3.7	6
108	Detection of bacterial quorum sensing N-acyl homoserine lactones in clinical samples. Analytical and Bioanalytical Chemistry, 2008, 391, 1619-1627.	3.7	104

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109	A Bioluminescent Molecular Switch For Glucose. Angewandte Chemie - International Edition, 2008, 47, 3718-3721.	13.8	31
110	Genetically Modified Semisynthetic Bioluminescent Photoprotein Variants: Simultaneous Dual-Analyte Assay in a Single Well Employing Time Resolution of Decay Kinetics. Analytical Chemistry, 2008, 80, 8470-8476.	6.5	14
111	Biosensors for Quorum Chemical Signaling Molecules: Implications of Bacterial Communication in Gastrointestinal Disorders. ACS Symposium Series, 2008, , 13-27.	0.5	2
112	BIOLUMINESCENCE CHARACTERISTICS OF AN OBELIN MUTANT IN VARYING SOLVENT CONDITIONS. , 2007, , .		0
113	BIOSENSORS FOR THE NON-INVASIVE EVALUATION OF BACTERIAL QUORUM SENSING IN GI DISORDERS. , 2007, , .		0
114	Hydroxylated Polychlorinated Biphenyl Detection Based on a Genetically Engineered Bioluminescent Whole-Cell Sensing System. Analytical Chemistry, 2007, 79, 5740-5745.	6.5	61
115	Bioluminescence DNA Hybridization Assay for Plasmodium falciparum Based on the Photoprotein Aequorin. Analytical Chemistry, 2007, 79, 4149-4153.	6.5	35
116	Aequorin-Based Homogeneous Cortisol Immunoassay for Analysis of Saliva Samples. Bioconjugate Chemistry, 2007, 18, 1772-1777.	3.6	20
117	Construction of Spores for Portable Bacterial Whole-Cell Biosensing Systems. Analytical Chemistry, 2007, 79, 9391-9397.	6.5	68
118	Calmodulin-mediated reversible immobilization of enzymes. Colloids and Surfaces B: Biointerfaces, 2007, 58, 20-27.	5.0	15
119	Bioluminescence immunoassay for angiotensin II using aequorin as a label. Analytical Biochemistry, 2007, 371, 154-161.	2.4	11
120	Biosensing Systems for the Detection of Bacterial Quorum Signaling Molecules. Analytical Chemistry, 2006, 78, 7603-7609.	6.5	94
121	Hinge-Motion Binding Proteins: Unraveling Their Analytical Potential. Analytical Chemistry, 2006, 78, 6692-6700.	6.5	23
122	Split Luciferase Systems for Detecting Protein-Protein Interactions in Mammalian Cells Based on Protein Splicing and Protein Complementation. , 2006, , 65-75.		0
123	Advances in Instrumentation for Detecting Low-level Bioluminescence and Fluorescence. , 2006, , 199-223.		4
124	Luminous Marine Organisms. , 2006, , 25-47.		4
125	Beetle Luciferases: Colorful Lights on Biological Processes and Diseases. , 2006, , 49-63.		20
126	The Photoproteins. , 2006, , 1-23.		3

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127	Photoproteins in Nucleic Acid Analysis. , 2006, , 77-94.		3
128	Bioluminescence Resonance Energy Transfer in Bioanalysis. , 2006, , 95-111.		2
129	Photoproteins as in Vivo Indicators of Biological Function. , 2006, , 113-129.		0
130	Luminescent Proteins in Binding Assays. , 2006, , 155-178.		6
131	ClcR-based biosensing system in the detection of cis-dihydroxylated (chloro-)biphenyls. Analytical and Bioanalytical Chemistry, 2006, 385, 807-813.	3.7	13
132	Meet the Guest Editors. Analytical and Bioanalytical Chemistry, 2006, 386, 403-404.	3.7	0
133	Novel reporter gene in a fluorescent-based whole cell sensing system. Biotechnology and Bioengineering, 2006, 93, 989-997.	3.3	20
134	Stimuli-Responsive Hydrogels Based on the Genetically Engineered Proteins: Actuation, Drug Delivery and Mechanical Characterization. Materials Research Society Symposia Proceedings, 2006, 952, 2.	0.1	0
135	Whole-cell-reporter-gene-based biosensing systems on a compact disk microfluidics platform. Analytical Biochemistry, 2005, 342, 11-19.	2.4	62
136	Detection of polychlorinated biphenyls employing chemical dechlorination followed by biphenyl whole cell sensing system. Toxicological and Environmental Chemistry, 2005, 87, 287-298.	1.2	1
137	Phosphate binding protein as the biorecognition element in a biosensor for phosphate. Sensors and Actuators B: Chemical, 2004, 97, 81-89.	7.8	48
138	Fluorescence-based sensing system for copper using genetically engineered living yeast cells. Biotechnology and Bioengineering, 2004, 88, 664-670.	3.3	64
139	Artificial Muscle Material with Fast Electroactuation under Neutral pH Conditions. Chemistry of Materials, 2004, 16, 2499-2502.	6.7	102
140	Aequorin fusion proteins as bioluminescent tracers for competitive immunoassays. , 2004, 5329, 137.		1
141	Luminescence-based whole-cell-sensing systems for cadmium and lead using genetically engineered bacteria. Analytical and Bioanalytical Chemistry, 2003, 376, 11-17.	3.7	72
142	Development of a Set of Simple Bacterial Biosensors for Quantitative and Rapid Measurements of Arsenite and Arsenate in Potable Water. Environmental Science & Technology, 2003, 37, 4743-4750.	10.0	301
143	Internal Response Correction for Fluorescent Whole-Cell Biosensors. Analytical Chemistry, 2002, 74, 5948-5953.	6.5	47
144	Cysteine-Free Mutant of Aequorin as a Photolabel in Immunoassay Development. Bioconjugate Chemistry, 2002, 13, 269-275.	3.6	25

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145	Tuning the Structure of Lariat Crown Ethers for Ion-Selective Electrodes: Significant Shifts in Sodium/Potassium Selectivity. Electroanalysis, 2002, 14, 186.	2.9	6
146	Rationally designed fluorescently labeled sulfate-binding protein mutants: Evaluation in the development of a sensing system for sulfate. Biotechnology and Bioengineering, 2002, 78, 517-526.	3.3	25
147	Bioluminescence Immunoassay for Cortisol Using Recombinant Aequorin as a Label. Analytical Biochemistry, 2002, 306, 204-211.	2.4	42
148	A fluorescence-based sensing system for the environmental monitoring of nickel using the nickel binding protein from Escherichia coli. Analytical and Bioanalytical Chemistry, 2002, 372, 174-180.	3.7	51
149	C-Terminal and N-Terminal Fusions of Aequorin with Small Peptides in Immunoassay Development. Bioconjugate Chemistry, 2001, 12, 378-384.	3.6	11
150	Bioluminescence Immunoassay for Thyroxine Employing Genetically Engineered Mutant Aequorins Containing Unique Cysteine Residues. Analytical Chemistry, 2001, 73, 3227-3233.	6.5	23
151	Detection of Biotin in Individual Sea Urchin Oocytes Using a Bioluminescence Binding Assay. Analytical Chemistry, 2001, 73, 1403-1407.	6.5	7
152	An Immunoassay for Leu-enkephalin Based on a C-Terminal Aequorinâ^'Peptide Fusion. Analytical Chemistry, 2001, 73, 1903-1908.	6.5	23
153	A Novel Reagentless Sensing System for Measuring Glucose Based on the Galactose/Glucose-Binding Protein. Analytical Biochemistry, 2001, 294, 19-26.	2.4	85
154	Using Epitopeâ€"Aequorin Conjugate Recognition in Immunoassays for Complex Proteins. Analytical Biochemistry, 2001, 294, 132-140.	2.4	9
155	Lead-Selective Electrode Based on a Quinaldic Acid Derivative. Electroanalysis, 2001, 13, 54-60.	2.9	17
156	Title is missing!. Biomedical Microdevices, 2001, 3, 339-351.	2.8	73
157	Effect of Fabrication Factors on Performance of Screen-Printed/Laser Micromachined Electrochemical Nanovials. Electroanalysis, 2000, 12, 685-690.	2.9	7
158	Fluorescent Biosensing Systems Based on Analyte-Induced Conformational Changes of Genetically Engineered Periplasmic Binding Proteins. ACS Symposium Series, 2000, , 87-101.	0.5	1
159	Electrochemistry in Nanovials Fabricated by Combining Screen Printing and Laser Micromachining. Analytical Chemistry, 2000, 72, 497-501.	6.5	59
160	Genetically Engineered Whole-Cell Sensing Systems:â€‰ Coupling Biological Recognition with Reporter Genes. Chemical Reviews, 2000, 100, 2705-2738.	47.7	395
161	Purification of Recombinant Proteins Based on the Interaction between a Phenothiazine-Derivatized Column and a Calmodulin Fusion Tail. Biotechnology Progress, 1999, 15, 513-516.	2.6	7
162	Green Fluorescent Protein in the Design of a Living Biosensing System forl-Arabinose. Analytical Chemistry, 1999, 71, 763-768.	6.5	45

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163	A Dynamical Investigation of Acrylodan-Labeled Mutant Phosphate Binding Protein. Analytical Chemistry, 1999, 71, 589-595.	6.5	23
164	Dual Detection of Peptides in a Fluorescence Binding Assay by Employing Genetically Fused GFP and BFP Mutants. Analytical Chemistry, 1999, 71, 4321-4327.	6.5	14
165	Bacteria-based chemiluminescence sensing system using Î²-galactosidase under the control of the ArsR regulatory protein of the ars operon. Analytica Chimica Acta, 1998, 369, 189-195.	5.4	57
166	Rational Design of a Calcium Sensing System Based on Induced Conformational Changes of Calmodulin. Journal of the American Chemical Society, 1997, 119, 11102-11103.	13.7	31
167	Sensing Antimonite and Arsenite at the Subattomole Level with Genetically Engineered Bioluminescent Bacteria. Analytical Chemistry, 1997, 69, 3380-3384.	6.5	100
168	Genetically Engineered Bacteria:Â Electrochemical Sensing Systems for Antimonite and Arsenite. Analytical Chemistry, 1997, 69, 16-20.	6.5	101
169	Bacterial biosensors for monitoring toxic metals. Trends in Biotechnology, 1997, 15, 500-506.	9.3	106
170	Homogeneous Bioluminescence Competitive Binding Assay for Folate Based on a Coupled Glucose-6-phosphate Dehydrogenaseâ˜Bacterial Luciferase Enzyme System. Analytical Chemistry, 1996, 68, 1646-1650.	6.5	12
171	Affinity Chromatography of Recombinant Peptides/Proteins Based on a Calmodulin Fusion Tail. Analytical Chemistry, 1996, 68, 1550-1555.	6.5	16
172	Bifunctional Fusion Proteins of Calmodulin and Protein A as Affinity Ligands in Protein Purification and in the Study of Proteinâ˜Protein Interactions. Analytical Chemistry, 1996, 68, 3939-3944.	6.5	11
173	Nitrite-selective electrode based on an electropolymerized cobalt phthalocyanine. Electroanalysis, 1995, 7, 710-713.	2.9	65
174	Potentiometric enzyme electrode for urea based on electrochemically prepared polypyrrole membranes. Mikrochimica Acta, 1995, 121, 63-72.	5.0	16
175	Electropolymerized Films in the Development of Biosensors. ACS Symposium Series, 1994, , 295-304.	0.5	0
176	Iodide-selective electrodes based on a mercury-triisobutylphosphine sulfide complex. Electroanalysis, 1993, 5, 839-843.	2.9	27
177	Development of Polymer Membrane Anion-Selective Electrodes Based on Molecular Recognition Principles. ACS Symposium Series, 1992, , 175-185.	0.5	4
178	Effect of proteins on the response of anion-selective electrodes based on vitamin B12 derivatives. Electroanalysis, 1991, 3, 177-182.	2.9	10
179	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B ₁ in Wheat Samples. Analysis & Sensing, 0, , .	2.0	0
180	Comparative Study of the Performance of Two Different Luciferases for the Analysis of Fumonisin B ₁ in Wheat Samples. Analysis & Sensing, 0, , .	2.0	0

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