

Sylvia Daunert

List of Publications by Year in descending order

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Version: 2024-02-01

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	Genetically Engineered Whole-Cell Sensing Systems: Coupling Biological Recognition with Reporter Genes. <i>Chemical Reviews</i> , 2000, 100, 2705-2738.	47.7	395
2	Neurotransmitters: The Critical Modulators Regulating Gut-Brain Axis. <i>Journal of Cellular Physiology</i> , 2017, 232, 2359-2372.	4.1	352
3	Nanotechnology-Driven Therapeutic Interventions in Wound Healing: Potential Uses and Applications. <i>ACS Central Science</i> , 2017, 3, 163-175.	11.3	342
4	Development of a Set of Simple Bacterial Biosensors for Quantitative and Rapid Measurements of Arsenite and Arsenate in Potable Water. <i>Environmental Science & Technology</i> , 2003, 37, 4743-4750.	10.0	301
5	Adaptation to Stressors by Systemic Protein Amyloidogenesis. <i>Developmental Cell</i> , 2016, 39, 155-168.	7.0	136
6	Bacterial biosensors for monitoring toxic metals. <i>Trends in Biotechnology</i> , 1997, 15, 500-506.	9.3	106
7	Detection of bacterial quorum sensing N-acyl homoserine lactones in clinical samples. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 391, 1619-1627.	3.7	104
8	The Aging Risk and Atherosclerosis: A Fresh Look at Arterial Homeostasis. <i>Frontiers in Genetics</i> , 2017, 8, 216.	2.3	103
9	Artificial Muscle Material with Fast Electroactuation under Neutral pH Conditions. <i>Chemistry of Materials</i> , 2004, 16, 2499-2502.	6.7	102
10	Genetically Engineered Bacteria: Electrochemical Sensing Systems for Antimonite and Arsenite. <i>Analytical Chemistry</i> , 1997, 69, 16-20.	6.5	101
11	Sensing Antimonite and Arsenite at the Subattomole Level with Genetically Engineered Bioluminescent Bacteria. <i>Analytical Chemistry</i> , 1997, 69, 3380-3384.	6.5	100
12	Paper Strip Whole Cell Biosensors: A Portable Test for the Semiquantitative Detection of Bacterial Quorum Signaling Molecules. <i>Analytical Chemistry</i> , 2010, 82, 4457-4463.	6.5	96
13	Biosensing Systems for the Detection of Bacterial Quorum Signaling Molecules. <i>Analytical Chemistry</i> , 2006, 78, 7603-7609.	6.5	94
14	Beyond Antibodies as Binding Partners: The Role of Antibody Mimetics in Bioanalysis. <i>Annual Review of Analytical Chemistry</i> , 2017, 10, 293-320.	5.4	88
15	Serotonin Activates Bacterial Quorum Sensing and Enhances the Virulence of <i>Pseudomonas aeruginosa</i> in the Host. <i>EBioMedicine</i> , 2016, 9, 161-169.	6.1	86
16	A Novel Reagentless Sensing System for Measuring Glucose Based on the Galactose/Glucose-Binding Protein. <i>Analytical Biochemistry</i> , 2001, 294, 19-26.	2.4	85
17	The Paradox of HIV Blood-Brain Barrier Penetration and Antiretroviral Drug Delivery Deficiencies. <i>Trends in Neurosciences</i> , 2020, 43, 695-708.	8.6	85
18	Bacterial spores as platforms for bioanalytical and biomedical applications. <i>Analytical and Bioanalytical Chemistry</i> , 2011, 400, 977-989.	3.7	84

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19	Title is missing!. Biomedical Microdevices, 2001, 3, 339-351.	2.8	73
20	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
21	Investigation of Microbiota Alterations and Intestinal Inflammation Post-Spinal Cord Injury in Rat Model. Journal of Neurotrauma, 2018, 35, 2159-2166.	3.4	71
22	Construction of Spores for Portable Bacterial Whole-Cell Biosensing Systems. Analytical Chemistry, 2007, 79, 9391-9397.	6.5	68
23	Nitrite-selective electrode based on an electropolymerized cobalt phthalocyanine. Electroanalysis, 1995, 7, 710-713.	2.9	65
24	Fluorescence-based sensing system for copper using genetically engineered living yeast cells. Biotechnology and Bioengineering, 2004, 88, 664-670.	3.3	64
25	Molecular Aptamer Beacons and Their Applications in Sensing, Imaging, and Diagnostics. Small, 2019, 15, e1902248.	10.0	63
26	Whole-cell-reporter-gene-based biosensing systems on a compact disk microfluidics platform. Analytical Biochemistry, 2005, 342, 11-19.	2.4	62
27	Hydroxylated Polychlorinated Biphenyl Detection Based on a Genetically Engineered Bioluminescent Whole-Cell Sensing System. Analytical Chemistry, 2007, 79, 5740-5745.	6.5	61
28	Glucose Responsive Hydrogel Networks Based on Protein Recognition. Macromolecular Bioscience, 2009, 9, 864-868.	4.1	61
29	Microbial whole-cell biosensors: Current applications, challenges, and future perspectives. Biosensors and Bioelectronics, 2021, 191, 113359.	10.1	60
30	Electrochemistry in Nanovials Fabricated by Combining Screen Printing and Laser Micromachining. Analytical Chemistry, 2000, 72, 497-501.	6.5	59
31	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
32	Bacteria-based chemiluminescence sensing system using β -galactosidase under the control of the ArsR regulatory protein of the ars operon. Analytica Chimica Acta, 1998, 369, 189-195.	5.4	57
33	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
34	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
35	Engineering Bioluminescent Proteins: Expanding their Analytical Potential. Analytical Chemistry, 2009, 81, 8662-8668.	6.5	49
36	Engineered cells as biosensing systems in biomedical analysis. Analytical and Bioanalytical Chemistry, 2012, 402, 3147-3159.	3.7	49

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37	Orally Administrable Therapeutic Synthetic Nanoparticle for Zika Virus. ACS Nano, 2019, 13, 11034-11048.	14.6	49
38	Phosphate binding protein as the biorecognition element in a biosensor for phosphate. Sensors and Actuators B: Chemical, 2004, 97, 81-89.	7.8	48
39	Internal Response Correction for Fluorescent Whole-Cell Biosensors. Analytical Chemistry, 2002, 74, 5948-5953.	6.5	47
40	Bioluminescence and Its Impact on Bioanalysis. Annual Review of Analytical Chemistry, 2011, 4, 297-319.	5.4	47
41	Green Fluorescent Protein in the Design of a Living Biosensing System for D-Arabinose. Analytical Chemistry, 1999, 71, 763-768.	6.5	45
42	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
43	Bioluminescence Immunoassay for Cortisol Using Recombinant Aequorin as a Label. Analytical Biochemistry, 2002, 306, 204-211.	2.4	42
44	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
45	Bioluminescence DNA Hybridization Assay for Plasmodium falciparum Based on the Photoprotein Aequorin. Analytical Chemistry, 2007, 79, 4149-4153.	6.5	35
46	Integrating Biosensors and Drug Delivery: A Step Closer Toward Scalable Responsive Drug Delivery Systems. Advanced Materials, 2009, 21, 656-660.	21.0	33
47	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
48	A Bioluminescent Molecular Switch For Glucose. Angewandte Chemie - International Edition, 2008, 47, 3718-3721.	13.8	31
49	Directing and Potentiating Stem Cell-Mediated Angiogenesis and Tissue Repair by Cell Surface E-Selectin Coating. PLoS ONE, 2016, 11, e0154053.	2.5	31
50	Opioid antagonists as potential therapeutics for ischemic stroke. Progress in Neurobiology, 2019, 182, 101679.	5.7	30
51	Cannabidiol as a Novel Therapeutic for Immune Modulation. ImmunoTargets and Therapy, 2020, Volume 9, 131-140.	5.8	29
52	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
53	COVID19: A Systematic Approach to Early Identification and Healthcare Worker Protection. Frontiers in Public Health, 2020, 8, 205.	2.7	28
54	Iodide-selective electrodes based on a mercury-triisobutylphosphine sulfide complex. Electroanalysis, 1993, 5, 839-843.	2.9	27

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55	Red-Shifted Aequorin Variants Incorporating Non-Canonical Amino Acids: Applications in In Vivo Imaging. PLoS ONE, 2016, 11, e0158579.	2.5	27
56	Experimental Models of COVID-19. Frontiers in Cellular and Infection Microbiology, 2021, 11, 792584.	3.9	27
57	Cysteine-Free Mutant of Aequorin as a Photolabel in Immunoassay Development. Bioconjugate Chemistry, 2002, 13, 269-275.	3.6	25
58	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
59	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
60	A Dynamical Investigation of Acrylodan-Labeled Mutant Phosphate Binding Protein. Analytical Chemistry, 1999, 71, 589-595.	6.5	23
61	Bioluminescence Immunoassay for Thyroxine Employing Genetically Engineered Mutant Aequorins Containing Unique Cysteine Residues. Analytical Chemistry, 2001, 73, 3227-3233.	6.5	23
62	An Immunoassay for Leu-enkephalin Based on a C-Terminal Aequorin~Peptide Fusion. Analytical Chemistry, 2001, 73, 1903-1908.	6.5	23
63	Hinge-Motion Binding Proteins: Unraveling Their Analytical Potential. Analytical Chemistry, 2006, 78, 6692-6700.	6.5	23
64	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
65	<p>The Inflammatory Aspect of Male and Female Pattern Hair Loss</p>. Journal of Inflammation Research, 2020, Volume 13, 879-881.	3.5	23
66	Glucose Recognition Proteins for Glucose Sensing at Physiological Concentrations and Temperatures. ACS Chemical Biology, 2014, 9, 1595-1602.	3.4	21
67	Design of a mediator-free, non-enzymatic electrochemical biosensor for glutamate detection. Nanomedicine: Nanotechnology, Biology, and Medicine, 2021, 31, 102305.	3.3	21
68	Monitoring Pathogenic Viable <i>E. coli</i> 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
69	Beetle Luciferases: Colorful Lights on Biological Processes and Diseases. , 2006, , 49-63.		20
70	Novel reporter gene in a fluorescent-based whole cell sensing system. Biotechnology and Bioengineering, 2006, 93, 989-997.	3.3	20
71	Aequorin-Based Homogeneous Cortisol Immunoassay for Analysis of Saliva Samples. Bioconjugate Chemistry, 2007, 18, 1772-1777.	3.6	20
72	Truncated Variants of Gaussia Luciferase with Tyrosine Linker for Site-Specific Bioconjugate Applications. Scientific Reports, 2016, 6, 26814.	3.3	19

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73	Lead-Selective Electrode Based on a Quinaldic Acid Derivative. <i>Electroanalysis</i> , 2001, 13, 54-60.	2.9	17
74	On-site detection of food and waterborne bacteria – Current technologies, challenges, and future directions. <i>Trends in Food Science and Technology</i> , 2021, 115, 409-421.	15.1	17
75	Potentiometric enzyme electrode for urea based on electrochemically prepared polypyrrole membranes. <i>Mikrochimica Acta</i> , 1995, 121, 63-72.	5.0	16
76	Affinity Chromatography of Recombinant Peptides/Proteins Based on a Calmodulin Fusion Tail. <i>Analytical Chemistry</i> , 1996, 68, 1550-1555.	6.5	16
77	Fluorescent and Bioluminescent Cell-Based Sensors: Strategies for Their Preservation. , 2010, 117, 57-75.		16
78	Investigating the effect of antibiotics on quorum sensing with whole-cell biosensing systems. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 402, 3227-3236.	3.7	16
79	Detection of bacterial contamination in food matrices by integration of quorum sensing in a paper-strip test. <i>Analyst</i> , The, 2018, 143, 4774-4782.	3.5	16
80	The Anti-Inflammatory Effects of Cannabidiol (CBD) on Acne. <i>Journal of Inflammation Research</i> , 2022, Volume 15, 2795-2801.	3.5	16
81	Calmodulin-mediated reversible immobilization of enzymes. <i>Colloids and Surfaces B: Biointerfaces</i> , 2007, 58, 20-27.	5.0	15
82	Whole-Cell Biosensors as Tools for the Detection of Quorum-Sensing Molecules: Uses in Diagnostics and the Investigation of the Quorum-Sensing Mechanism. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2015, , 181-200.	1.1	15
83	Enhanced Delivery of Plasmid DNA to Skeletal Muscle Cells using a DLC8-Binding Peptide and ASSLNIA-Modified PAMAM Dendrimer. <i>Molecular Pharmaceutics</i> , 2019, 16, 2376-2384.	4.6	15
84	Bioluminescent detection of zearalenone using recombinant peptidomimetic Gaussia luciferase fusion protein. <i>Mikrochimica Acta</i> , 2020, 187, 547.	5.0	15
85	Dual Detection of Peptides in a Fluorescence Binding Assay by Employing Genetically Fused GFP and BFP Mutants. <i>Analytical Chemistry</i> , 1999, 71, 4321-4327.	6.5	14
86	Genetically Modified Semisynthetic Bioluminescent Photoprotein Variants: Simultaneous Dual-Analyte Assay in a Single Well Employing Time Resolution of Decay Kinetics. <i>Analytical Chemistry</i> , 2008, 80, 8470-8476.	6.5	14
87	Modulating the Bioluminescence Emission of Photoproteins by <i>in Vivo</i> Site-Directed Incorporation of Non-Natural Amino Acids. <i>ACS Chemical Biology</i> , 2010, 5, 455-460.	3.4	14
88	Environmental PCBs in Guánica Bay, Puerto Rico: implications for community health. <i>Environmental Science and Pollution Research</i> , 2016, 23, 2003-2013.	5.3	14
89	ClcR-based biosensing system in the detection of cis-dihydroxylated (chloro-)biphenyls. <i>Analytical and Bioanalytical Chemistry</i> , 2006, 385, 807-813.	3.7	13
90	Peptide-Modified Biopolymers for Biomedical Applications. <i>ACS Applied Bio Materials</i> , 2021, 4, 229-251.	4.6	13

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91	Homogeneous Bioluminescence Competitive Binding Assay for Folate Based on a Coupled Glucose-6-phosphate Dehydrogenase~Bacterial Luciferase Enzyme System. <i>Analytical Chemistry</i> , 1996, 68, 1646-1650.	6.5	12
92	Bioorthogonal Protein Conjugation: Application to the Development of a Highly Sensitive Bioluminescent Immunoassay for the Detection of Interferon- β . <i>Bioconjugate Chemistry</i> , 2017, 28, 1749-1757.	3.6	12
93	Objective Measurement of Carcinogens Among Dominican Republic Firefighters Using Silicone-Based Wristbands. <i>Journal of Occupational and Environmental Medicine</i> , 2020, 62, e611-e615.	1.7	12
94	Bifunctional Fusion Proteins of Calmodulin and Protein A as Affinity Ligands in Protein Purification and in the Study of Protein~Protein Interactions. <i>Analytical Chemistry</i> , 1996, 68, 3939-3944.	6.5	11
95	C-Terminal and N-Terminal Fusions of Aequorin with Small Peptides in Immunoassay Development. <i>Bioconjugate Chemistry</i> , 2001, 12, 378-384.	3.6	11
96	Bioluminescence immunoassay for angiotensin II using aequorin as a label. <i>Analytical Biochemistry</i> , 2007, 371, 154-161.	2.4	11
97	A protein switch sensing system for the quantification of sulfate. <i>Analytical Biochemistry</i> , 2012, 421, 172-180.	2.4	11
98	Aequorin mutants with increased thermostability. <i>Analytical and Bioanalytical Chemistry</i> , 2014, 406, 5639-5643.	3.7	11
99	An Intact Cell Bioluminescence-Based Assay for the Simple and Rapid Diagnosis of Urinary Tract Infection. <i>International Journal of Molecular Sciences</i> , 2020, 21, 5015.	4.1	11
100	Effect of proteins on the response of anion-selective electrodes based on vitamin B12 derivatives. <i>Electroanalysis</i> , 1991, 3, 177-182.	2.9	10
101	Bacterial Autoinducer-2 Detection via an Engineered Quorum Sensing Protein. <i>Analytical Chemistry</i> , 2015, 87, 2608-2614.	6.5	10
102	Engineering Rugged Field Assays to Detect Hazardous Chemicals Using Spore-Based Bacterial Biosensors. <i>Methods in Enzymology</i> , 2017, 589, 51-85.	1.0	10
103	Design of Gaussia luciferase-based bioluminescent stem-loop probe for sensitive detection of HIV-1 nucleic acids. <i>Analyst</i> , 2018, 143, 3374-3381.	3.5	10
104	Highly Sensitive and Selective Direct Detection of Zika Virus Particles in Human Bodily Fluids for Accurate Early Diagnosis of Infection. <i>ACS Omega</i> , 2019, 4, 6808-6818.	3.5	10
105	Inflammasome-Regulated Pyroptotic Cell Death in Disruption of the Gut-Brain Axis After Stroke. <i>Translational Stroke Research</i> , 2022, 13, 898-912.	4.2	10
106	Using Epitope~Aequorin Conjugate Recognition in Immunoassays for Complex Proteins. <i>Analytical Biochemistry</i> , 2001, 294, 132-140.	2.4	9
107	Cyclic AMP Receptor Protein~Aequorin Molecular Switch for Cyclic AMP. <i>Bioconjugate Chemistry</i> , 2011, 22, 475-481.	3.6	9
108	Stability of spore-based biosensing systems under extreme conditions. <i>Sensors and Actuators B: Chemical</i> , 2011, 158, 377-382.	7.8	9

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109	Bioluminescence Inhibition Assay for the Detection of Hydroxylated Polychlorinated Biphenyls. <i>Analytical Chemistry</i> , 2012, 84, 7648-7655.	6.5	9
110	Trinucleotide Rolling Circle Amplification: A Novel Method for the Detection of RNA and DNA. <i>Methods and Protocols</i> , 2018, 1, 15.	2.0	9
111	Computationally Designed Peptides for Zika Virus Detection: An Incremental Construction Approach. <i>Biomolecules</i> , 2019, 9, 498.	4.0	9
112	Expression of a soluble truncated Vargula luciferase in Escherichia coli. <i>Protein Expression and Purification</i> , 2017, 132, 68-74.	1.3	8
113	Bioluminescent Protein-Inhibitor Pair in the Design of a Molecular Aptamer Beacon Biosensing System. <i>Analytical Chemistry</i> , 2020, 92, 7393-7398.	6.5	8
114	A new class of sensing elements for sensors: Clamp peptides for Zika virus. <i>Biosensors and Bioelectronics</i> , 2021, 191, 113471.	10.1	8
115	Delivery of therapeutic agents and cells to pancreatic islets: Towards a new era in the treatment of diabetes. <i>Molecular Aspects of Medicine</i> , 2022, 83, 101063.	6.4	8
116	Purification of Recombinant Proteins Based on the Interaction between a Phenothiazine-Derivatized Column and a Calmodulin Fusion Tail. <i>Biotechnology Progress</i> , 1999, 15, 513-516.	2.6	7
117	Effect of Fabrication Factors on Performance of Screen-Printed/Laser Micromachined Electrochemical Nanovials. <i>Electroanalysis</i> , 2000, 12, 685-690.	2.9	7
118	Detection of Biotin in Individual Sea Urchin Oocytes Using a Bioluminescence Binding Assay. <i>Analytical Chemistry</i> , 2001, 73, 1403-1407.	6.5	7
119	Nanoparticles for Fidgety Cell Movement and Enhanced Wound Healing. <i>Journal of Investigative Dermatology</i> , 2015, 135, 2151-2153.	0.7	7
120	Peptide-Functionalized Dendrimer Nanocarriers for Targeted Microdystrophin Gene Delivery. <i>Pharmaceutics</i> , 2021, 13, 2159.	4.5	7
121	Tuning the Structure of Lariat Crown Ethers for Ion-Selective Electrodes: Significant Shifts in Sodium/Potassium Selectivity. <i>Electroanalysis</i> , 2002, 14, 186.	2.9	6
122	Luminescent Proteins in Binding Assays. , 2006, , 155-178.		6
123	A whole-cell assay for the high throughput screening of calmodulin antagonists. <i>Analytical and Bioanalytical Chemistry</i> , 2008, 390, 2073-2079.	3.7	6
124	Biosensing Systems Based on Genetically Engineered Whole Cells. , 2010, , 565-598.		6
125	Accelerated coronary atherosclerosis not explained by traditional risk factors in 13% of young individuals. <i>American Heart Journal</i> , 2019, 208, 47-54.	2.7	6
126	Advances in Translational Nanotechnology: Challenges and Opportunities. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 4881.	2.5	6

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127	Current salivary biomarkers for detection of human papilloma virus-induced oropharyngeal squamous cell carcinoma. <i>Head and Neck</i> , 2021, 43, 3618-3630.	2.0	6
128	Dexamethasone (DXM)-Coated Poly(lactic-co-glycolic acid) (PLGA) Microneedles as an Improved Drug Delivery System for Intracochlear Biodegradable Devices. <i>Advanced Therapeutics</i> , 2021, 4, 2100155.	3.2	6
129	Design and development of high bioluminescent resonance energy transfer efficiency hybrid-imaging constructs. <i>Analytical Biochemistry</i> , 2016, 498, 1-7.	2.4	5
130	Multiplexing cytokine analysis: towards reducing sample volume needs in clinical diagnostics. <i>Analyst</i> , 2019, 144, 3250-3259.	3.5	5
131	Vaccination against cocaine using a modifiable dendrimer nanoparticle platform. <i>Vaccine</i> , 2020, 38, 7989-7997.	3.8	5
132	Modulation of CD36-mediated lipid accumulation and senescence by vitamin E analogs in monocytes and macrophages. <i>BioFactors</i> , 2022, 48, 665-682.	5.4	5
133	Isothermal Amplification and Lateral Flow Nucleic Acid Test for the Detection of Shiga Toxin-Producing Bacteria for Food Monitoring. <i>Chemosensors</i> , 2022, 10, 210.	3.6	5
134	Development of Polymer Membrane Anion-Selective Electrodes Based on Molecular Recognition Principles. <i>ACS Symposium Series</i> , 1992, , 175-185.	0.5	4
135	Advances in Instrumentation for Detecting Low-level Bioluminescence and Fluorescence. , 2006, , 199-223.		4
136	Luminous Marine Organisms. , 2006, , 25-47.		4
137	Transcriptional regulatory proteins as biosensing tools. <i>Chemical Communications</i> , 2017, 53, 6820-6823.	4.1	4
138	Reagentless electrochemical biosensors through incorporation of unnatural amino acids on the protein structure. <i>Biosensors and Bioelectronics</i> , 2022, 200, 113861.	10.1	4
139	The Photoproteins. , 2006, , 1-23.		3
140	Photoproteins in Nucleic Acid Analysis. , 2006, , 77-94.		3
141	Probing a myth: does the younger generation of scientists have it easier?. <i>Analytical and Bioanalytical Chemistry</i> , 2012, 403, 2065-2067.	3.7	3
142	Mapping carcinogen exposure across urban fire incident response arenas using passive silicone-based samplers. <i>Ecotoxicology and Environmental Safety</i> , 2021, 228, 112929.	6.0	3
143	Opioid Antagonist Nanodrugs Successfully Attenuate the Severity of Ischemic Stroke. <i>Molecular Pharmaceutics</i> , 2022, 19, 2254-2267.	4.6	3
144	Bioluminescence Resonance Energy Transfer in Bioanalysis. , 2006, , 95-111.		2

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145	Biosensors for Quorum Chemical Signaling Molecules: Implications of Bacterial Communication in Gastrointestinal Disorders. ACS Symposium Series, 2008, , 13-27.	0.5	2
146	Enabling Aequorin for Biotechnology Applications Through Genetic Engineering. Advances in Biochemical Engineering/Biotechnology, 2015, , 149-179.	1.1	2
147	The Role of Platelet-Rich Plasma in the Prevention of Chemotherapy-Induced Alopecia. Skin Appendage Disorders, 2020, 6, 58-60.	1.0	2
148	Fluorescent Biosensing Systems Based on Analyte-Induced Conformational Changes of Genetically Engineered Periplasmic Binding Proteins. ACS Symposium Series, 2000, , 87-101.	0.5	1
149	Aequorin fusion proteins as bioluminescent tracers for competitive immunoassays. , 2004, 5329, 137.		1
150	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
151	Potential Impacts of PCBs on Sediment Microbiomes in a Tropical Marine Environment. Journal of Marine Science and Engineering, 2016, 4, 13.	2.6	1
152	Molecular Aptamer Beacons: Molecular Aptamer Beacons and Their Applications in Sensing, Imaging, and Diagnostics (Small 35/2019). Small, 2019, 15, 1970187.	10.0	1
153	Objective Measurement of Carcinogens Among Dominican Republic Firefighters Using Silicone-Based Wristbands. JCO Global Oncology, 2020, 6, 15-15.	1.8	1
154	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
155	Facile Synthesis and Characterization of a Novel Tamavidinâ€¢Luciferase Reporter Fusion Protein for Universal Signaling Applications. Advanced Biology, 2020, 4, 1900166.	3.0	1
156	William â€œBillâ€¢Joseph Whelan, D.Sc., <sc>FRS</sc> November 14, 1924 to June 5, 2021. IUBMB Life, 2021, 73, 994-1001.	3.4	1
157	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
158	Drug delivery: Challenges and nanotechnology-based solutions. Molecular Aspects of Medicine, 2021, 83, 101051.	6.4	1
159	Electropolymerized Films in the Development of Biosensors. ACS Symposium Series, 1994, , 295-304.	0.5	0
160	Split Luciferase Systems for Detecting Protein-Protein Interactions in Mammalian Cells Based on Protein Splicing and Protein Complementation. , 2006, , 65-75.		0
161	Photoproteins as in Vivo Indicators of Biological Function. , 2006, , 113-129.		0
162	Meet the Guest Editors. Analytical and Bioanalytical Chemistry, 2006, 386, 403-404.	3.7	0

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163	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
164	BIOLUMINESCENCE CHARACTERISTICS OF AN OBELIN MUTANT IN VARYING SOLVENT CONDITIONS. , 2007, , .		0
165	BIOSENSORS FOR THE NON-INVASIVE EVALUATION OF BACTERIAL QUORUM SENSING IN GI DISORDERS. , 2007, , .		0
166	Coloured Plates. , 2012, , 406-433.		0
167	Ten years of bliss: the scientific ABCs of unite and conquer. Analytical and Bioanalytical Chemistry, 2012, 402, 3-6.	3.7	0
168	Twenty-First Century Diseases: Commonly Rare and Rarely Common?. Antioxidants and Redox Signaling, 2017, 27, 511-516.	5.4	0
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