Shimshon Belkin

List of Publications by Year
in descending order

161	7,088	53660 45	69108 77
papers	citations	h-index	g-index

166	166	166	6341
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Where microbiology meets microengineering: design and applications of reporter bacteria. Nature Reviews Microbiology, 2010, 8, 511-522.	13.6	466
2	Microbial whole-cell sensing systems of environmental pollutants. Current Opinion in Microbiology, 2003, 6, 206-212.	2.3	462
3	Survival of enteric bacteria in seawater: Table 1. FEMS Microbiology Reviews, 2001, 25, 513-529.	3.9	242
4	Thermococcus litoralis sp. nov.: A new species of extremely thermophilic marine archaebacteria. Archives of Microbiology, 1990, 153, 205-207.	1.0	222
5	Geographical Location Determines the Population Structure in Phyllosphere Microbial Communities of a Salt-Excreting Desert Tree. Applied and Environmental Microbiology, 2011, 77, 7647-7655.	1.4	182
6	Thermotoga neapolitana sp. nov. of the extremely thermophilic, eubacterial genus Thermotoga. Archives of Microbiology, 1988, 150, 103-104.	1.0	171
7	Biological denitrification of drinking water using newspaper. Water Research, 1996, 30, 965-971.	5.3	157
8	A panel of stress-responsive luminous bacteria for the detection of selected classes of toxicants. Water Research, 1997, 31, 3009-3016.	5.3	143
9	Reduction and destruction rates of nitroxide spin probes. Archives of Biochemistry and Biophysics, 1987, 256, 232-243.	1.4	139
10	Advances in preservation methods: keeping biosensor microorganisms alive and active. Current Opinion in Biotechnology, 2006, 17, 43-49.	3.3	138
11	A New Sulfur-Reducing, Extremely Thermophilic Eubacterium from a Submarine Thermal Vent. Applied and Environmental Microbiology, 1986, 51, 1180-1185.	1.4	138
12	Bioluminescent whole cell optical fiber sensor to genotoxicants: system optimization. Sensors and Actuators B: Chemical, 2001, 74, 18-26.	4.0	109
13	Improved bacterial SOS promoterâˆ·lux fusions for genotoxicity detection. Mutation Research - Genetic Toxicology and Environmental Mutagenesis, 2000, 466, 97-107.	0.9	108
14	Microbial reporters of metal bioavailability. Microbial Biotechnology, 2008, 1, 320-330.	2.0	108
15	Mixtures of Chemical Pollutants at European Legislation Safety Concentrations: How Safe Are They?. Toxicological Sciences, 2014, 141, 218-233.	1.4	108
16	Recombinant microorganisms as environmental biosensors: pollutants detection by Escherichia coli bearing fabAâ€²::lux fusions. Journal of Biotechnology, 2002, 94, 125-132.	1.9	104
17	Global abundance of microbial rhodopsins. ISME Journal, 2013, 7, 448-451.	4.4	104
18	Are luminescent bacteria suitable for online detection and monitoring of toxic compounds in drinking water and its sources?. Analytical and Bioanalytical Chemistry, 2011, 400, 915-929.	1.9	102

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19	Comparative community genomics in the Dead Sea: an increasingly extreme environment. ISME Journal, 2010, 4, 399-407.	4.4	101
20	Solâ€“gel luminescence biosensors: Encapsulation of recombinant E. coli reporters in thick silicate films. Analytica Chimica Acta, 2002, 462, 11-23.	2.6	100
21	Bacterial anoxygenic photosynthesis on plant leaf surfaces. Environmental Microbiology Reports, 2012, 4, 209-216.	1.0	94
22	Fluorescence and bioluminescence reporter functions in genetically modified bacterial sensor strains. Sensors and Actuators B: Chemical, 2003, 90, 2-8.	4.0	92
23	Distance-Decay Relationships Partially Determine Diversity Patterns of Phyllosphere Bacteria on Tamrix Trees across the Sonoran Desert. Applied and Environmental Microbiology, 2012, 78, 6187-6193.	1.4	92
24	Remote detection of buried landmines using a bacterial sensor. Nature Biotechnology, 2017, 35, 308-310.	9.4	90
25	A whole cell electrochemical biosensor for water genotoxicity bio-detection. Electrochimica Acta, 2009, 54, 6113-6118.	2.6	84
26	Reactive Oxygen Species Are Partially Involved in the Bacteriocidal Action of Hypochlorous Acid. Archives of Biochemistry and Biophysics, 1999, 367, 311-316.	1.4	82
27	Overproduction of Exopolysaccharides by an Escherichia coli K-12 rpoS Mutant in Response to Osmotic Stress. Applied and Environmental Microbiology, 2009, 75, 483-492.	1.4	81
28	Escherichia coli bioreporters for the detection of 2,4-dinitrotoluene and 2,4,6-trinitrotoluene. Applied Microbiology and Biotechnology, 2014, 98, 885-895.	1.7	81
29	Microbial rhodopsins on leaf surfaces of terrestrial plants. Environmental Microbiology, 2012, 14, 140-146.	1.8	78
30	A new extremely thermophilic, sulfur-reducing heterotrophic, marine bacterium. Archives of Microbiology, 1985, 141, 181-186.	1.0	70
31	Antibody-based immobilization of bioluminescent bacterial sensor cells. Talanta, 2001, 55, 1029-1038.	2.9	70
32	Online Monitoring of Water Toxicity by Use of Bioluminescent Reporter Bacterial Biochips. Environmental Science & Technology, 2011, 45, 8536-8544.	4.6	67
33	The biosynthesis of Î´-aminolevulinic acid in greening maize leaves. Phytochemistry, 1975, 14, 2399-2402.	1.4	63
34	Proton Gradients in Intact Cyanobacteria. Plant Physiology, 1987, 84, 25-30.	2.3	62
35	Hydrogen metabolism in the facultative anoxygenic cyanobacteria (blue-green algae) Oscillatoria limnetica and Aphanothece halophytica. Archives of Microbiology, 1978, 116, 109-111.	1.0	60
36	Toxicity and genotoxicity enhancement during polycyclic aromatic hydrocarbons' biodegradation. Environmental Toxicology and Water Quality, 1994, 9, 303-309.	0.7	58

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37	Microbial sensor cell arrays. Current Opinion in Biotechnology, 2012, 23, 2-8.	3.3	58
38	Fluorescent Bacteria Encapsulated in Solâ^'Gel Derived Silicate Films. Chemistry of Materials, 2002, 14, 2676-2686.	3.2	55
39	Strategies for enhancing bioluminescent bacterial sensor performance by promoter region manipulation. Microbial Biotechnology, 2010, 3, 300-310.	2.0	55
40	PHOSPHORUS BIOAVAILABILITY MONITORING BY A BIOLUMINESCENT CYANOBACTERIAL SENSOR STRAIN1. Journal of Phycology, 2002, 38, 107-115.	1.0	54
41	Monitoring of phosphorus bioavailability in water by an immobilized luminescent cyanobacterial reporter strain. Biosensors and Bioelectronics, 2001, 16, 811-818.	5.3	51
42	Bacterial genotoxicity bioreporters. Microbial Biotechnology, 2010, 3, 412-427.	2.0	51
43	Bacterial bioluminescence as a lure for marine zooplankton and fish. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 853-857.	3.3	50
44	Convergent patterns in the evolution of mealybug symbioses involving different intrabacterial symbionts. ISME Journal, 2017, 11, 715-726.	4.4	49
45	Upgrading bioluminescent bacterial bioreporter performance by splitting the lux operon. Analytical and Bioanalytical Chemistry, 2011, 400, 1071-1082.	1.9	48
46	Modeling and measurement of a whole-cell bioluminescent biosensor based on a single photon avalanche diode. Biosensors and Bioelectronics, 2008, 24, 882-887.	5.3	46
47	Drop-Size Soda Lakes: Transient Microbial Habitats on a Salt-Secreting Desert Tree. Genetics, 2008, 178, 1615-1622.	1.2	46
48	Whole-cell biochips for bio-sensing: integration of live cells and inanimate surfaces. Critical Reviews in Biotechnology, 2011, 31, 337-353.	5.1	45
49	Detection of 2,4-dinitrotoluene and 2,4,6-trinitrotoluene by an Escherichia coli bioreporter: performance enhancement by directed evolution. Applied Microbiology and Biotechnology, 2015, 99, 7177-7188.	1.7	45
50	High internal pH conveys ammonia resistance in spirulina platensis. Bioresource Technology, 1991, 38, 167-169.	4.8	44
51	A miniature porous aluminum oxide-based flow-cell for online water quality monitoring using bacterial sensor cells. Biosensors and Bioelectronics, 2015, 64, 625-632.	5.3	44
52	Denitrification in laboratory sand columns: Carbon regime, gas accumulation and hydraulic properties. Water Research, 1991, 25, 325-332.	5.3	43
53	Microbial wholeâ€cell arrays. Microbial Biotechnology, 2008, 1, 137-148.	2.0	43
54	A bacterial reporter panel for the detection and classification of antibiotic substances. Microbial Biotechnology, 2012, 5, 536-548.	2.0	43

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55	Biological Treatment of a High Salinity Chemical Industrial Wastewater. Water Science and Technology, 1993, 27, 105-112.	1.2	42
56	Sulfide-dependent hydrogen evolution in the cyanobacteriumOscillatoria limnetica. FEBS Letters, 1978, 94, 291-294.	1.3	41
57	Biodegradation of haloalkanes. Biodegradation, 1992, 3, 299-313.	1.5	40
58	Metagenomic Signatures of Bacterial Adaptation to Life in the Phyllosphere of a Salt-Secreting Desert Tree. Applied and Environmental Microbiology, 2016, 82, 2854-2861.	1.4	38
59	Monitoring subtoxic environmental hazards by stress-responsive luminous bacteria. Environmental Toxicology and Water Quality, 1996, 11, 179-185.	0.7	37
60	Toxicant Identification by a Luminescent Bacterial Bioreporter Panel: Application of Pattern Classification Algorithms. Environmental Science & Technology, 2008, 42, 8486-8491.	4.6	37
61	Standoff detection of explosives and buried landmines using fluorescent bacterial sensor cells. Biosensors and Bioelectronics, 2016, 79, 784-788.	5.3	35
62	A printed nanolitre-scale bacterial sensor array. Lab on A Chip, 2011, 11, 139-146.	3.1	34
63	A Synechococcus P glnA :: luxAB Fusion for Estimation of Nitrogen Bioavailability to Freshwater Cyanobacteria. Applied and Environmental Microbiology, 2003, 69, 1465-1474.	1.4	32
64	Microbial Sensors of Ultraviolet Radiation Based on recA'::lux Fusions. Applied Biochemistry and Biotechnology, 2000, 89, 151-160.	1.4	31
65	Water pollutant monitoring by a whole cell array through lens-free detection on CCD. Lab on A Chip, 2015, 15, 1472-1480.	3.1	31
66	Microbial genotoxicity bioreporters based on sulA activation. Analytical and Bioanalytical Chemistry, 2011, 400, 3013-3024.	1.9	30
67	A novel terrestrial halophilic environment: The phylloplane of Atriplex halimus, a salt-excreting plant. FEMS Microbiology Ecology, 1994, 14, 99-109.	1.3	28
68	Lead Bioavailability in Soil and Soil Components. Water, Air, and Soil Pollution, 2009, 202, 315-323.	1.1	27
69	Aptamer-based depletion of small molecular contaminants: A case study using ochratoxin A. Biotechnology and Bioprocess Engineering, 2015, 20, 1016-1025.	1.4	27
70	A Panel of Stress-Responsive Luminous Bacteria for Monitoring Wastewater Toxicity. , 1998, 102, 247-258.		26
71	Microbial bioreporters of trace explosives. Current Opinion in Biotechnology, 2017, 45, 113-119.	3.3	26
72	A Smartphone-Based Whole-Cell Array Sensor for Detection of Antibiotics in Milk. Sensors, 2019, 19, 3882.	2.1	26

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73	Determination of dissolved oxygen in photosynthetic systems by nitroxide spin-probe broadening. Archives of Biochemistry and Biophysics, 1987, 252, 487-495.	1.4	25
74	Rice seedling whole exudates and extracted alkylresorcinols induce stress-response in Escherichia coli biosensors. Environmental Microbiology, 2003, 5, 403-411.	1.8	25
75	Escherichia coli ribose binding protein based bioreporters revisited. Scientific Reports, 2014, 4, 5626.	1.6	25
76	Specific detection of p-chlorobenzoic acid by Escherichia coli bearing a plasmid-borne fcbA'::lux fusion. Chemosphere, 1999, 38, 633-641.	4.2	24
77	Optical modeling of bioluminescence in whole cell biosensors. Biosensors and Bioelectronics, 2009, 24, 1969-1973.	5.3	24
78	A bacterial bioreporter panel to assay the cytotoxicity of atmospheric particulate matter. Atmospheric Environment, 2012, 63, 94-101.	1.9	24
79	SODIUM DEPRIVATION UNDER ALKALINE CONDITIONS CAUSES RAPID DEATH OF THE FILAMENTOUS CYANOBACTERIUM SPIRULINA PLATENSIS1. Journal of Phycology, 1996, 32, 608-613.	1.0	23
80	Gene expression analysis of the response by Escherichia coli to seawater. Antonie Van Leeuwenhoek, 2002, 81, 15-25.	0.7	23
81	Phosphorus and nitrogen in a monomictic freshwater lake: employing cyanobacterial bioreporters to gain new insights into nutrient bioavailability. Freshwater Biology, 2010, 55, 1182-1190.	1.2	23
82	Biogeographical diversity of leaf-associated microbial communities from salt-secreting Tamarix trees of the Dead Sea region. Research in Microbiology, 2012, 163, 142-150.	1.0	22
83	Bacterial inactivation by a carbon nanotubeâ€“iron oxide nanocomposite: a mechanistic study usingE. colimutants. Environmental Science: Nano, 2018, 5, 372-380.	2.2	22
84	Combination of yeast-based inÂvitro screens with high-performance thin-layer chromatography as a novel tool for the detection of hormonal and dioxin-like compounds. Analytica Chimica Acta, 2019, 1081, 218-230.	2.6	22
85	Detection of buried explosives with immobilized bacterial bioreporters. Microbial Biotechnology, 2021, 14, 251-261.	2.0	22
86	Freeze-drying of solâ€“gel encapsulated recombinant bioluminescent E. coli by using lyo-protectants. Sensors and Actuators B: Chemical, 2006, 113, 768-773.	4.0	20
87	Genetically engineered microorganisms for the detection of explosivesâ€™ residues. Frontiers in Microbiology, 2015, 6, 1175.	1.5	20
88	Microbial biosensing of ciprofloxacin residues in food by a portable lens-free CCD-based analyzer. Analytical and Bioanalytical Chemistry, 2018, 410, 1257-1263.	1.9	20
89	Na-Dithionite Promotes Photosynthetic Sulfide Utilization by the Cyanobacterium Oscillatoria limnetica. Plant Physiology, 1983, 72, 825-828.	2.3	19
90	Effect of inorganic constituents on chemical oxygen demandâ€”I. Bromides are unneutralizable by mercuric sulfate complexation. Water Research, 1992, 26, 1577-1581.	5.3	19

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91	Effect of inorganic constituents on chemical oxygen demandâ€"II. Organic carbon to halogen ratios determine halogen interference. Water Research, 1992, 26, 1583-1588.	5.3	19
92	The Highly Conserved Escherichia coli Transcription Factor YhaJ Regulates Aromatic Compound Degradation. Frontiers in Microbiology, 2016, 7, 1490.	1.5	19
93	Estrogenicity of chemical mixtures revealed by a panel of bioassays. Science of the Total Environment, 2021, 785, 147284.	3.9	19
94	High-throughput prescreening of pharmaceuticals using a genome-wide bacterial bioreporter array. Biosensors and Bioelectronics, 2015, 68, 699-704.	5.3	18
95	Broad spectrum detection and â€œbarcodingâ€•of water pollutants by a genome-wide bacterial sensor array. Water Research, 2013, 47, 3782-3790.	5.3	17
96	Aerobic Transformation of 2,4-Dinitrotoluene by Escherichia coli and Its Implications for the Detection of Trace Explosives. Applied and Environmental Microbiology, 2018, 84, .	1.4	17
97	Combinations of chlorocatechols and heavy metals cause DNA degradation in vitro but must not result in increased mutation rates in vivo. , 1999, 33, 202-210.		16
98	CdSe quantum dots induce superoxide stress in engineered biosensor bacteria. Nanotoxicology, 2009, 3, 98-108.	1.6	16
99	Evaluation of chrono-amperometric signal detection for the analysis of genotoxicity by a whole cell biosensor. Analytica Chimica Acta, 2010, 659, 122-128.	2.6	16
100	An optical detection module-based biosensor using fortified bacterial beads for soil toxicity assessment. Analytical and Bioanalytical Chemistry, 2020, 412, 3373-3381.	1.9	16
101	Genetically Engineered Bacteria for Genotoxicity Assessment. Handbook of Environmental Chemistry, 2009, , 161-186.	0.2	16
102	Detection of 4-chlorobenzoate using immobilized recombinant Escherichia coli reporter strains. Sensors and Actuators B: Chemical, 2000, 70, 139-144.	4.0	15
103	The involvement of superoxide radicals in medium pressure UV derived inactivation. Water Research, 2019, 161, 119-125.	5.3	15
104	Genome-wide gene-deletion screening identifies mutations that significantly enhance explosives vapor detection by a microbial sensor. New Biotechnology, 2020, 59, 65-73.	2.4	15
105	Whole-cell biodetection of halogenated organic acids. Talanta, 2001, 55, 959-964.	2.9	14
106	Diverse Microhabitats Experienced by Halomonas variabilis on Salt-Secreting Leaves. Applied and Environmental Microbiology, 2013, 79, 845-852.	1.4	14
107	Coupling High-Performance Thin-Layer Chromatography with Bacterial Genotoxicity Bioreporters. Environmental Science & Technology, 2019, 53, 6410-6419.	4.6	13
108	An autonomous bioluminescent bacterial biosensor module for outdoor sensor networks, and its application for the detection of buried explosives. Biosensors and Bioelectronics, 2021, 185, 113253.	5.3	13

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109	[40] Anoxygenic photosynthetic electron transport. Methods in Enzymology, 1988, 167, 380-386.	0.4	12
110	Detection and Quantification of Photosystem II Inhibitors Using the Freshwater Alga Desmodesmus subspicatus in Combination with High-Performance Thin-Layer Chromatography. Environmental Science & Technology, 2019, 53, 13458-13467.	4.6	12
111	Yeast-Based Fluorescent Sensors for the Simultaneous Detection of Estrogenic and Androgenic Compounds, Coupled with High-Performance Thin Layer Chromatography. Biosensors, 2020, 10, 169.	2.3	12
112	Coupling high-performance thin-layer chromatography with a battery of cell-based assays reveals bioactive components in wastewater and landfill leachates. Ecotoxicology and Environmental Safety, 2021, 214, 112092.	2.9	12
113	Bacterial bioreporters for the detection of trace explosives: performance enhancement by DNA shuffling and random mutagenesis. Applied Microbiology and Biotechnology, 2021, 105, 4329-4337.	1.7	12
114	The Escherichia coli azoR gene promoter: A new sensing element for microbial biodetection of trace explosives. Current Research in Biotechnology, 2021, 3, 21-28.	1.9	12
115	Genotoxicity monitoring using a 2D-spectroscopic GFP whole cell biosensing system. Sensors and Actuators B: Chemical, 2003, 89, 27-32.	4.0	10
116	Bacterial biofilm-based water toxicity sensor. Sensors and Actuators B: Chemical, 2011, 158, 366-371.	4.0	10
117	Modified working electrodes for electrochemical whole-cell microchips. Electrochimica Acta, 2012, 82, 109-114.	2.6	10
118	Simultaneous quantification of the fluorescent responses of an ensemble of bacterial sensors. Biosensors and Bioelectronics, 2013, 49, 394-398.	5.3	10
119	Improved detection of antibiotic compounds by bacterial reporter strains achieved by manipulations of membrane permeability and efflux capacity. Applied Microbiology and Biotechnology, 2014, 98, 2267-2277.	1.7	10
120	Nanoscale Plasmonic V-Groove Waveguides for the Interrogation of Single Fluorescent Bacterial Cells. Nano Letters, 2017, 17, 5481-5488.	4.5	10
121	Microbial Cell Arrays. , 2009, 117, 85-108.		9
122	Functional modeling of electrochemical whole-cell biosensors. Sensors and Actuators B: Chemical, 2013, 181, 479-485.	4.0	9
123	Reporter Gene Assays in Ecotoxicology. Advances in Biochemical Engineering/Biotechnology, 2016, 157, 135-157.	0.6	9
124	[75] Determination of pH gradients in intact cyanobacteria by electron spin resonance spectroscopy. Methods in Enzymology, 1988, 167, 677-685.	0.4	8
125	Evaluation of activated carbon adsorption capacity by a toxicity bioassay. Water Research, 1993, 27, 1577-1583.	5.3	8
126	Fast Assessment of Toxicants Adsorption on Activated Carbon Using a Luminous Bacteria Bioassay. Water Science and Technology, 1993, 27, 113-120.	1.2	8

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127	2,3-Dimercaptopropan-1-ol (BAL). An aerobic electron-transport inhibitor, but an anaerobic photosynthetic electron donor. Biochimica Et Biophysica Acta - Bioenergetics, 1984, 766, 563-569.	0.5	7
128	Induction of the yjbEFGH operon is regulated by growth rate and oxygen concentration. Archives of Microbiology, 2008, 189, 219-226.	1.0	7
129	Development of a quantitative optical biochip based on a double integrating sphere system that determines absolute photon number in bioluminescent solution: application to quantum yield scale realization. Applied Optics, 2009, 48, 3216.	2.1	7
130	Enhancing DNT Detection by a Bacterial Bioreporter: Directed Evolution of the Transcriptional Activator YhaJ. Frontiers in Bioengineering and Biotechnology, 2022, 10, 821835.	2.0	7
131	Whole-cell luminescence biosensor-based lab-on-chip integrated system for water toxicity analysis. , 2006, , .		6
132	Signal amelioration of electrophoretically deposited whole-cell biosensors using external electric fields. Electrochimica Acta, 2011, 56, 9666-9672.	2.6	6
133	Molecular Manipulations for Enhancing Luminescent Bioreporters Performance in the Detection of Toxic Chemicals. Advances in Biochemical Engineering/Biotechnology, 2014, 145, 137-149.	0.6	6
134	SOS gene induction and possible mutagenic effects of freeze-drying in Escherichia coli and Salmonella typhimurium. Applied Microbiology and Biotechnology, 2016, 100, 9255-9264.	1.7	6
135	GENETICALLY ENGINEERED MICROORGANISMS FOR POLLUTION MONITORING. , 2006, , 147-160.		6
136	Survival of Enteric Bacteria in Seawater: Molecular Aspects. , 2005, , 93-107.		5
137	A Portable Biosensor for 2,4-Dinitrotoluene Vapors. Sensors, 2018, 18, 4247.	2.1	5
138	Sense and sensibility: of synthetic biology and the redesign of bioreporter circuits. Microbial Biotechnology, 2022, 15, 103-106.	2.0	5
139	Machine-learning assisted antibiotic detection and categorization using a bacterial sensor array. Sensors and Actuators B: Chemical, 2022, 355, 131257.	4.0	5
140	Simple quantification of bacterial envelope-associated extracellular materials. Journal of Microbiological Methods, 2009, 78, 302-306.	0.7	4
141	Whole-cell biochips for online water monitoring. Bioengineered, 2012, 3, 124-128.	1.4	4
142	Life on a Leaf: Bacterial Epiphytes of a Salt-Excreting Desert Tree. Cellular Origin and Life in Extreme Habitats, 2010, , 393-406.	0.3	4
143	[74] Electron spin resonance oximetry. Methods in Enzymology, 1988, 167, 670-677.	0.4	3
144	Utilization of a bioluminescence toxicity assay for optimal design of biological and physicochemical wastewater treatment processes. Environmental Toxicology and Water Quality, 1994, 9, 311-316.	0.7	3

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145	Strategies for enhancing bioluminescent bacterial sensor performance by promoter region manipulation. Bioengineered Bugs, 2010, 1, 151-153.	2.0	3
146	Distance-Decay Relationships Partially Determine Diversity Patterns of Phyllosphere Bacteria on Tamarix Trees across the Sonoran Desert. Applied and Environmental Microbiology, 2012, 78, 7818-7818.	1.4	3
147	A Novel Microfluidic Whole Cell Biosensor Based on Electrochemical Detection for Water Toxicity Analysis. ECS Transactions, 2009, 16, 187-197.	0.3	2
148	Negative regulation of Ïƒ70-driven promoters by Ïƒ70. Research in Microbiology, 2011, 162, 461-469.	1.0	2
149	Microbial Biosensors for the Detection of Organic Pollutants. , 2019, , 1-24.		2
150	Standoff Detection of Explosives and Buried Landmines Using Bacterial Biosensors. , 2014, , .		1
151	Microbial Biosensors for the Detection of Organic Pollutants. , 2022, , 851-874.		1
152	A bacterial bioreporter for the detection of 1,3,5-trinitro-1,3,5-triazinane (RDX). Analytical and Bioanalytical Chemistry, 2021, , 1.	1.9	1
153	Rapid printing of a Bacterial array for a Solid-Phase Assay (BacSPA) of heavy metal ions. Sensors and Actuators B: Chemical, 2022, 359, 131540.	4.0	1
154	Introduction of quorum sensing elements into bacterial bioreporter circuits enhances explosivesâ€™ detection capabilities. Engineering in Life Sciences, 2022, 22, 308-318.	2.0	1
155	Electronically Directed Integration of Whole-Cell Biosensors on Bio-Chips. ECS Transactions, 2010, 33, 49-58.	0.3	0
156	Advanced Environmental Monitoring and Modeling (AEMM) 2014. Chemosphere, 2016, 143, 1-2.	4.2	0
157	Assessment of River Health by CombinedMicroscale Toxicity Testing and Chemical Analysis. , 2009, , 241-249.		0
158	Treatment of High-Strength, Complex and Toxic Chemical Wastewater: End-of Pipe â€œBest Available Technologyâ€•vs. an In-Plant Control Program. Water Science and Technology, 1994, 29, 221-233.	1.2	0
159	Standoff Detection of Buried Landmines Using Genetically Engineered Fluorescent Bacterial Sensors. , 2015, , .		0
160	Coupling between a Plasmonic V-groove Waveguide and Single Fluorescent Bacterial cells. , 2016, , .		0
161	Remote Bio-Sensing of Buried Antipersonnel Landmines Using Bacterial Biosensors. , 2016, , .		0