

Man Bock Gu

List of Publications by Year in descending order

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141
papers

7,955
citations

50170

46
h-index

54797

84
g-index

144
all docs

144
docs citations

144
times ranked

9409
citing authors

#	ARTICLE	IF	CITATIONS
1	Silver-ion-mediated reactive oxygen species generation affecting bactericidal activity. <i>Water Research</i> , 2009, 43, 1027-1032.	5.3	483
2	Enzyme stabilization by nano/microsized hybrid materials. <i>Engineering in Life Sciences</i> , 2013, 13, 49-61.	2.0	388
3	Analysis of the Toxic Mode of Action of Silver Nanoparticles Using Stress-Specific Bioluminescent Bacteria. <i>Small</i> , 2008, 4, 746-750.	5.2	374
4	Aptamer-based nanobiosensors. <i>Biosensors and Bioelectronics</i> , 2016, 76, 2-19.	5.3	333
5	Angle-multiplexed all-dielectric metasurfaces for broadband molecular fingerprint retrieval. <i>Science Advances</i> , 2019, 5, eaaw2871.	4.7	294
6	Evaluation of the toxic impact of silver nanoparticles on Japanese medaka (<i>Oryzias latipes</i>). <i>Aquatic Toxicology</i> , 2009, 94, 320-327.	1.9	252
7	Electrochemical detection of 17 β -estradiol using DNA aptamer immobilized gold electrode chip. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2525-2531.	5.3	235
8	A novel colorimetric aptasensor using gold nanoparticle for a highly sensitive and specific detection of oxytetracycline. <i>Biosensors and Bioelectronics</i> , 2010, 26, 1644-1649.	5.3	212
9	Long-range neural and gap junction protein-mediated cues control polarity during planarian regeneration. <i>Developmental Biology</i> , 2010, 339, 188-199.	0.9	176
10	Preparation of biocatalytic nanofibres with high activity and stability via enzyme aggregate coating on polymer nanofibres. <i>Nanotechnology</i> , 2005, 16, S382-S388.	1.3	175
11	Aptamer-based environmental biosensors for small molecule contaminants. <i>Current Opinion in Biotechnology</i> , 2017, 45, 15-23.	3.3	164
12	Electrochemical aptasensor for tetracycline detection. <i>Bioprocess and Biosystems Engineering</i> , 2010, 33, 31-37.	1.7	154
13	ssDNA Aptamer-Based Surface Plasmon Resonance Biosensor for the Detection of Retinol Binding Protein 4 for the Early Diagnosis of Type 2 Diabetes. <i>Analytical Chemistry</i> , 2008, 80, 2867-2873.	3.2	148
14	Single-stranded DNA aptamers specific for antibiotics tetracyclines. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7245-7253.	1.4	141
15	A cell array biosensor for environmental toxicity analysis. <i>Biosensors and Bioelectronics</i> , 2005, 21, 500-507.	5.3	138
16	ssDNA aptamers that selectively bind oxytetracycline. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1254-1261.	1.4	115
17	Specific detection of oxytetracycline using DNA aptamer-immobilized interdigitated array electrode chip. <i>Analytica Chimica Acta</i> , 2009, 634, 250-254.	2.6	109
18	A Magnetically Separable, Highly Stable Enzyme System Based on Nanocomposites of Enzymes and Magnetic Nanoparticles Shipped in Hierarchically Ordered, Mesocellular, Mesoporous Silica. <i>Small</i> , 2005, 1, 1203-1207.	5.2	106

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19	Highly sensitive sandwich-type SPR based detection of whole H5Nx viruses using a pair of aptamers. <i>Biosensors and Bioelectronics</i> , 2016, 86, 293-300.	5.3	101
20	Aptamer-based sandwich-type biosensors. <i>Journal of Biological Engineering</i> , 2017, 11, 11.	2.0	100
21	An ultra-sensitive colorimetric detection of tetracyclines using the shortest aptamer with highly enhanced affinity. <i>Chemical Communications</i> , 2014, 50, 40-42.	2.2	98
22	A biosensor for the detection of gas toxicity using a recombinant bioluminescent bacterium. <i>Biosensors and Bioelectronics</i> , 2000, 15, 23-30.	5.3	97
23	Soil biosensor for the detection of PAH toxicity using an immobilized recombinant bacterium and a biosurfactant. <i>Biosensors and Bioelectronics</i> , 2001, 16, 667-674.	5.3	94
24	A portable toxicity biosensor using freeze-dried recombinant bioluminescent bacteria. <i>Biosensors and Bioelectronics</i> , 2002, 17, 433-440.	5.3	85
25	Magnetic mesoporous materials for removal of environmental wastes. <i>Journal of Hazardous Materials</i> , 2011, 192, 1140-1147.	6.5	78
26	An ultra-sensitive detection of a whole virus using dual aptamers developed by immobilization-free screening. <i>Biosensors and Bioelectronics</i> , 2014, 51, 324-329.	5.3	74
27	A bioluminescent sensor for high throughput toxicity classification. <i>Biosensors and Bioelectronics</i> , 2003, 18, 1015-1021.	5.3	73
28	Specific detection of avian influenza H5N2 whole virus particles on lateral flow strips using a pair of sandwich-type aptamers. <i>Biosensors and Bioelectronics</i> , 2019, 134, 123-129.	5.3	73
29	Enhanced Degradation of an Endocrine-Disrupting Chemical, Butyl Benzyl Phthalate, by <i>Fusarium oxysporum f. sp. pisi</i> Cutinase. <i>Applied and Environmental Microbiology</i> , 2002, 68, 4684-4688.	1.4	65
30	A new lateral flow strip assay (LFSA) using a pair of aptamers for the detection of Vaspin. <i>Biosensors and Bioelectronics</i> , 2017, 93, 21-25.	5.3	65
31	A two-stage minibioreactor system for continuous toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 1999, 14, 355-361.	5.3	64
32	Fabrication of a bio-MEMS based cell-chip for toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 2007, 22, 1586-1592.	5.3	61
33	Degradation of 2,4,6-trinitrotoluene by immobilized horseradish peroxidase and electrogenerated peroxide. <i>Water Research</i> , 2003, 37, 983-992.	5.3	60
34	Advances in Aptamer Screening and Small Molecule Aptasensors. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2013, 140, 29-67.	0.6	60
35	An integrated mini biosensor system for continuous water toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 2005, 20, 1744-1749.	5.3	57
36	Sphingomonassp. Strain SB5 Degrades Carbofuran to a New Metabolite by Hydrolysis at the Furanyl Ring. <i>Journal of Agricultural and Food Chemistry</i> , 2004, 52, 2309-2314.	2.4	56

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37	Highly stable trypsin- α -agglutinin aggregate coatings on polymer nanofibers for repeated protein digestion. <i>Proteomics</i> , 2009, 9, 1893-1900.	1.3	56
38	Highly stable enzyme precipitate coatings and their electrochemical applications. <i>Biosensors and Bioelectronics</i> , 2011, 26, 1980-1986.	5.3	54
39	Biomarker gene response in male Medaka (<i>Oryzias latipes</i>) chronically exposed to silver nanoparticle. <i>Ecotoxicology and Environmental Safety</i> , 2012, 78, 239-245.	2.9	53
40	Foreign gene expression (β -galactosidase) during the cell cycle phases in recombinant CHO cells. <i>Biotechnology and Bioengineering</i> , 1993, 42, 1113-1123.	1.7	52
41	Highly amplified detection of visceral adipose tissue-derived serpin (vaspin) using a cognate aptamer duo. <i>Biosensors and Bioelectronics</i> , 2015, 70, 261-267.	5.3	51
42	Highly sensitive detection of 25-Hydroxyvitamin D ₃ by using a target-induced displacement of aptamer. <i>Biosensors and Bioelectronics</i> , 2017, 88, 174-180.	5.3	51
43	Monitoring and classification of PAH toxicity using an immobilized bioluminescent bacteria. <i>Biosensors and Bioelectronics</i> , 2003, 18, 571-577.	5.3	50
44	Characterization of the Stress Response of a Bioluminescent Biological Sensor in Batch and Continuous Cultures. <i>Biotechnology Progress</i> , 1996, 12, 387-392.	1.3	49
45	Isolation and characterization of enantioselective DNA aptamers for ibuprofen. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3467-3473.	1.4	49
46	An oxidative stress-specific bacterial cell array chip for toxicity analysis. <i>Biosensors and Bioelectronics</i> , 2007, 22, 2223-2229.	5.3	47
47	Global Gene Response in <i>Saccharomyces cerevisiae</i> Exposed to Silver Nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 1278-1291.	1.4	47
48	Detection of Iprobenfos and Edifenphos using a new Multi-aptasensor. <i>Analytica Chimica Acta</i> , 2015, 868, 60-66.	2.6	47
49	A Miniature Bioreactor for Sensing Toxicity Using Recombinant Bioluminescent <i>Escherichia coli</i> Cells. <i>Biotechnology Progress</i> , 1996, 12, 393-397.	1.3	46
50	Gamma-radiation dose-rate effects on DNA damage and toxicity in bacterial cells. <i>Radiation and Environmental Biophysics</i> , 2003, 42, 189-192.	0.6	46
51	A new cognate aptamer pair-based sandwich-type electrochemical biosensor for sensitive detection of <i>Staphylococcus aureus</i> . <i>Biosensors and Bioelectronics</i> , 2022, 198, 113835.	5.3	46
52	Eco-toxicity of commercial silver nanopowders to bacterial and yeast strains. <i>Biotechnology and Bioengineering</i> , 2009, 14, 490-495.	1.4	45
53	Construction and characterization of novel dual stress-responsive bacterial biosensors. <i>Biosensors and Bioelectronics</i> , 2004, 19, 977-985.	5.3	44
54	Magnetically-separable and highly-stable enzyme system based on crosslinked enzyme aggregates shipped in magnetite-coated mesoporous silica. <i>Journal of Materials Chemistry</i> , 2009, 19, 7864.	6.7	44

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55	The affinity ratioâ€™s pivotal role in gold nanoparticle-based competitive colorimetric aptasensor. <i>Biosensors and Bioelectronics</i> , 2011, 26, 4058-4063.	5.3	44
56	Electrospun polystyreneâ€™poly(styrene-co-maleic anhydride) nanofiber as a new aptasensor platform. <i>Biosensors and Bioelectronics</i> , 2012, 38, 302-307.	5.3	43
57	Stable and continuous long-term enzymatic reaction using an enzymeâ€™nanofiber composite. <i>Applied Microbiology and Biotechnology</i> , 2007, 75, 1301-1307.	1.7	42
58	Development of a random genomic DNA microarray for the detection and identification of <i>Listeria monocytogenes</i> in milk. <i>International Journal of Food Microbiology</i> , 2013, 161, 134-141.	2.1	41
59	Enhancement in the sensitivity of a gas biosensor by using an advanced immobilization of a recombinant bioluminescent bacterium. <i>Biosensors and Bioelectronics</i> , 2002, 17, 427-432.	5.3	40
60	Toxicity biomonitoring of degradation byproducts using freeze-dried recombinant bioluminescent bacteria. <i>Analytica Chimica Acta</i> , 2003, 481, 229-238.	2.6	40
61	ssDNA aptamers that recognize diclofenac and 2-anilinophenylacetic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5380-5387.	1.4	40
62	New Functional Amorphous Calcium Phosphate Nanocomposites by Enzyme-Assisted Biomineralization. <i>ACS Applied Materials & Interfaces</i> , 2013, 5, 532-537.	4.0	40
63	Immobilization and stabilization of subtilisin Carlsberg in magnetically-separable mesoporous silica for transesterification in an organic solvent. <i>Green Chemistry</i> , 2012, 14, 1884.	4.6	38
64	Some observations in freeze-drying of recombinant bioluminescent <i>Escherichia coli</i> for toxicity monitoring. <i>Journal of Biotechnology</i> , 2001, 88, 95-105.	1.9	37
65	Rapid and sensitive detection of Nampt (PBEF/visfatin) in human serum using an ssDNA aptamer-based capacitive biosensor. <i>Biosensors and Bioelectronics</i> , 2012, 38, 233-238.	5.3	37
66	Evaluation of a high throughput toxicity biosensor and comparison with a <i>Daphnia magna</i> bioassay. <i>Biosensors and Bioelectronics</i> , 2003, 18, 821-826.	5.3	36
67	Carbonic anhydrase assisted calcium carbonate crystalline composites as a biocatalyst. <i>Green Chemistry</i> , 2012, 14, 2216.	4.6	36
68	Effects of endocrine disrupting chemicals on distinct expression patterns of estrogen receptor, cytochrome P450 aromatase and p53 genes in <i>oryzias latipes</i> liver. <i>Journal of Biochemical and Molecular Toxicology</i> , 2003, 17, 272-277.	1.4	35
69	A Multi-Channel Continuous Water Toxicity Monitoring System: Its Evaluation and Application to Water Discharged from a Power Plant. <i>Environmental Monitoring and Assessment</i> , 2005, 109, 123-133.	1.3	35
70	The sensitive detection of ODAM by using sandwich-type biosensors with a cognate pair of aptamers for the early diagnosis of periodontal disease. <i>Biosensors and Bioelectronics</i> , 2019, 126, 122-128.	5.3	35
71	Development of a DNA Microarray Chip for the Identification of Sludge Bacteria Using an Unsequenced Random Genomic DNA Hybridization Method. <i>Environmental Science & Technology</i> , 2004, 38, 6767-6774.	4.6	32
72	Prediction and classification of the modes of genotoxic actions using bacterial biosensors specific for DNA damages. <i>Biosensors and Bioelectronics</i> , 2009, 25, 767-772.	5.3	32

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73	A new coccolith modified electrode-based biosensor using a cognate pair of aptamers with sandwich-type binding. <i>Biosensors and Bioelectronics</i> , 2019, 123, 160-166.	5.3	31
74	Screening of Target-Specific Stress-Responsive Genes for the Development of Cell-Based Biosensors Using a DNA Microarray. <i>Analytical Chemistry</i> , 2005, 77, 8020-8026.	3.2	30
75	Sensitive detection of adipokines for early diagnosis of type 2 diabetes using enzyme-linked antibody-aptamer sandwich (ELAAS) assays. <i>Sensors and Actuators B: Chemical</i> , 2012, 168, 243-248.	4.0	30
76	Biodegradation of dipropyl phthalate and toxicity of its degradation products: a comparison of <i>Fusarium oxysporum</i> f. sp. <i>pisi</i> cutinase and <i>Candida cylindracea</i> esterase. <i>Archives of Microbiology</i> , 2005, 184, 25-31.	1.0	29
77	A novel bioluminescent bacterial biosensor using the highly specific oxidative stress-inducible <i>pgi</i> gene. <i>Biosensors and Bioelectronics</i> , 2008, 24, 670-675.	5.3	29
78	Characterization and optimization of two methods in the immobilization of 12 bioluminescent strains. <i>Biosensors and Bioelectronics</i> , 2006, 22, 192-199.	5.3	27
79	Aptamer duo-based portable electrochemical biosensors for early diagnosis of periodontal disease. <i>Biosensors and Bioelectronics</i> , 2022, 199, 113884.	5.3	27
80	Bacterial bioluminescent emission from recombinant <i>Escherichia coli</i> harboring a <i>recA::luxCDABE</i> fusion. <i>Journal of Proteomics</i> , 2000, 45, 45-56.	2.4	26
81	Detection of VR-2332 Strain of Porcine Reproductive and Respiratory Syndrome Virus Type II Using an Aptamer-Based Sandwich-Type Assay. <i>Analytical Chemistry</i> , 2013, 85, 66-74.	3.2	26
82	Multiple and Simultaneous Detection of Specific Bacteria in Enriched Bacterial Communities Using a DNA Microarray Chip with Randomly Generated Genomic DNA Probes. <i>Analytical Chemistry</i> , 2005, 77, 2311-2317.	3.2	25
83	A novel reflectance-based aptasensor using gold nanoparticles for the detection of oxytetracycline. <i>Analyst</i> , 2015, 140, 6671-6675.	1.7	25
84	High-density culture of <i>Escherichia coli</i> carrying recombinant plasmid in a membrane cell recycle fermenter. <i>Enzyme and Microbial Technology</i> , 1989, 11, 49-54.	1.6	23
85	Response of bioluminescent bacteria to sixteen azo dyes. <i>Biotechnology and BioProcess Engineering</i> , 2003, 8, 101-105.	1.4	23
86	Enhancement in the sensitivity of an immobilized cell-based soil biosensor for monitoring PAH toxicity. <i>Sensors and Actuators B: Chemical</i> , 2004, 97, 272-276.	4.0	23
87	Shape reformable polymeric nanofibers entrapped with QDs as a scaffold for enzyme stabilization. <i>Journal of Materials Chemistry</i> , 2011, 21, 5215.	6.7	23
88	The continuous monitoring of field water samples with a novel multi-channel two-stage mini-bioreactor system. <i>Environmental Monitoring and Assessment</i> , 2001, 70, 71-81.	1.3	22
89	Construction of a <i>nrdA::luxCDABE</i> Fusion and Its Use in <i>Escherichia coli</i> as a DNA Damage Biosensor. <i>Sensors</i> , 2008, 8, 1297-1307.	2.1	22
90	Randomly distributed arrays of optically coded functional microbeads for toxicity screening and monitoring. <i>Lab on A Chip</i> , 2010, 10, 2695.	3.1	22

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91	Protein arginine methyltransferase 5 is implicated in the aggressiveness of human hepatocellular carcinoma and controls the invasive activity of cancer cells. <i>Oncology Reports</i> , 2018, 40, 536-544.	1.2	20
92	Salivary microbiota in periodontal health and disease and their changes following nonsurgical periodontal treatment. <i>Journal of Periodontal and Implant Science</i> , 2020, 50, 171.	0.9	20
93	Analysis of Foreign Protein Overproduction in Recombinant CHO Cells.. <i>Annals of the New York Academy of Sciences</i> , 1994, 721, 194-207.	1.8	19
94	Construction and Evaluation of <math>\langle \text{nagR-nagAa}::\text{lux} \rangle \text{/math> Fusion Strains in Biosensing for Salicylic Acid Derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2005, 120, 183-198.	1.4	19
95	Specific detection of DNA using quantum dots and magnetic beads for large volume samples. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 449-454.	1.4	19
96	A dip-stick type biosensor using bioluminescent bacteria encapsulated in color-coded alginate microbeads for detection of water toxicity. <i>Analyst, The</i> , 2014, 139, 4696-4701.	1.7	19
97	Differential effect of chlorine on the oxidative stress generation in dormant and active cells within colony biofilm. <i>Water Research</i> , 2009, 43, 5252-5259.	5.3	18
98	High-throughput prescreening of pharmaceuticals using a genome-wide bacterial bioreporter array. <i>Biosensors and Bioelectronics</i> , 2015, 68, 699-704.	5.3	18
99	A whole cell bioluminescent biosensor for the detection of membrane-damaging toxicity. <i>Biotechnology and Bioprocess Engineering</i> , 1999, 4, 59-62.	1.4	17
100	Physicochemical factors affecting the sensitivity of <i>Ceriodaphnia dubia</i> to copper. <i>Environmental Monitoring and Assessment</i> , 2001, 70, 105-116.	1.3	17
101	Performance Analysis of a Proton Exchange Membrane Fuel Cell (PEMFC) Integrated with a Trickle Bed Bioreactor for Biological High-Rate Hydrogen Production. <i>Energy & Fuels</i> , 2008, 22, 83-86.	2.5	17
102	Successful bi-enzyme stabilization for the biomimetic cascade transformation of carbon dioxide. <i>Catalysis Science and Technology</i> , 2016, 6, 7267-7272.	2.1	17
103	Immobilization as a technical possibility for long-term storage of bacterial biosensors. <i>Radiation and Environmental Biophysics</i> , 2005, 44, 69-71.	0.6	16
104	Robust trypsin coating on electrospun polymer nanofibers in rigorous conditions and its uses for protein digestion. <i>Biotechnology and Bioengineering</i> , 2010, 107, 917-923.	1.7	16
105	Aptamers-on-nanofiber as a novel hybrid capturing moiety. <i>Journal of Materials Chemistry</i> , 2011, 21, 19203.	6.7	16
106	Profiling the biological effects of wastewater samples via bioluminescent bacterial biosensors combined with estrogenic assays. <i>Environmental Science and Pollution Research</i> , 2017, 24, 33-41.	2.7	16
107	An optical detection module-based biosensor using fortified bacterial beads for soil toxicity assessment. <i>Analytical and Bioanalytical Chemistry</i> , 2020, 412, 3373-3381.	1.9	16
108	Characterization of <i>fglTA: luxCDABE</i> fusion in <i>Escherichia coli</i> as a toxicity biosensor. <i>Biotechnology and Bioprocess Engineering</i> , 2006, 11, 516-521.	1.4	15

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109	Highly-stable magnetically-separable organic-inorganic hybrid microspheres for enzyme entrapment. <i>Journal of Materials Chemistry</i> , 2011, 21, 6491.	6.7	15
110	Cell cycle analysis of foreign gene (β -galactosidase) expression in recombinant mouse cells under control of mouse mammary tumor virus promoter. , 1996, 50, 229-237.		14
111	Enhancing the sensitivity of a two-stage continuous toxicity monitoring system through the manipulation of the dilution rate. <i>Journal of Biotechnology</i> , 2002, 93, 283-288.	1.9	14
112	Geno-Tox: Cell Array Biochip for Genotoxicity Monitoring and Classification. <i>Applied Biochemistry and Biotechnology</i> , 2012, 168, 752-760.	1.4	14
113	Modular multi-enzyme cascade process using highly stabilized enzyme microbeads. <i>Green Chemistry</i> , 2014, 16, 1163.	4.6	14
114	Aptasensors for environmental monitoring of contaminants in water and soil. <i>Current Opinion in Environmental Science and Health</i> , 2019, 10, 9-21.	2.1	14
115	Characterization of superoxide-stress sensing recombinant <i>Escherichia coli</i> constructed using promoters for genes <i>zwf</i> and <i>fpr</i> fused to <i>lux</i> operon. <i>Applied Microbiology and Biotechnology</i> , 2007, 74, 1276-1283.	1.7	13
116	CO ₂ bioconversion using carbonic anhydrase (CA): Effects of PEG rigidity on the structure of bio-mineralized crystal composites. <i>Journal of Biotechnology</i> , 2013, 168, 208-211.	1.9	12
117	Aptamer-aptamer linkage based aptasensor for highly enhanced detection of small molecules. <i>Biotechnology Journal</i> , 2016, 11, 843-849.	1.8	12
118	Detection and classification of oxidative damaging stresses using recombinant bioluminescent bacteria harboring <i>sodA</i> , <i>pqi</i> , and <i>katG</i> - <i>luxCDABE</i> fusions. <i>Enzyme and Microbial Technology</i> , 2004, 35, 540-544.	1.6	11
119	Enhancement of the multi-channel continuous monitoring system through the use of <i>Xenorhabdus luminescens lux</i> fusions. <i>Biosensors and Bioelectronics</i> , 2004, 20, 475-481.	5.3	11
120	Aptamers in Liposomes for Selective and Multiplexed Capture of Small Organic Compounds. <i>Macromolecular Rapid Communications</i> , 2011, 32, 1169-1173.	2.0	11
121	Toxicity monitoring of endocrine disrupting chemicals (EDCs) using freeze-dried recombinant bioluminescent bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 395-399.	1.4	10
122	Construction of a functional network for common DNA damage responses in <i>Escherichia coli</i> . <i>Genomics</i> , 2009, 93, 514-524.	1.3	10
123	Detection of <i>Alicyclobacillus</i> Species in Fruit Juice Using a Random Genomic DNA Microarray Chip. <i>Journal of Food Protection</i> , 2011, 74, 933-938.	0.8	10
124	Pilot-scale investigation of sludge reduction in aerobic digestion system with endospore-forming bacteria. <i>Chemosphere</i> , 2017, 186, 202-208.	4.2	10
125	Growth and Induction Kinetics of Inducible and Autoinducible Expression of Heterologous Protein in Suspension Cultures of Recombinant Mouse L Cell Lines. <i>Biotechnology Progress</i> , 1996, 12, 226-233.	1.3	8
126	Expression analysis of stress-specific responsive genes in two-stage continuous cultures of <i>Escherichia coli</i> using cDNA microarray and real-time RT-PCR analysis. <i>Enzyme and Microbial Technology</i> , 2006, 39, 440-446.	1.6	8

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127	Construction and characterization of Japanese medaka (<i>Oryzias latipes</i>) hepatic cDNA library and its implementation to biomarker screening in aquatic toxicology. <i>Aquatic Toxicology</i> , 2011, 105, 569-575.	1.9	8
128	In-situ on-fabric one-touch colorimetric detection using aptamer-conjugated gold nanoparticles. <i>Biochip Journal</i> , 2013, 7, 180-187.	2.5	8
129	Chemical-specific continuous biomonitoring using a recombinant bioluminescent bacterium DNT5 (nagR-nagAa::luxCDABE). <i>Journal of Biotechnology</i> , 2007, 131, 330-334.	1.9	6
130	Enhancement in the viability and biosensing activity of freeze-dried recombinant bioluminescent bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2000, 5, 202-206.	1.4	5
131	A Subtractively Optimized DNA Microarray Using Non-sequenced Genomic Probes for the Detection of Food-Borne Pathogens. <i>Applied Biochemistry and Biotechnology</i> , 2011, 164, 183-193.	1.4	5
132	Microcarrier culture of bowes melanoma cells in serum-free medium with Human plasma fraction IV-4+ V. <i>Biotechnology and Bioengineering</i> , 1991, 38, 247-253.	1.7	4
133	Continuous Modular Biomimetic Utilization of Carbon Dioxide toward Multi- and Chemoenzymatic Systems. <i>ACS Catalysis</i> , 2016, 6, 6175-6181.	5.5	3
134	Prescreening of Natural Products in Drug Discovery Using Recombinant Bioluminescent Bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2019, 24, 264-271.	1.4	3
135	Application of endospore-forming <i>Bacillus</i> species to food waste-recycling wastewater treatment: A focus on the fate of macromolecular nutrients. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107584.	3.3	3
136	Implementation of Random Bacterial Genomic DNA Microarray Chip (RBGDMC) for Screening of Dominant Bacteria in Complex Cultures. <i>Applied Biochemistry and Biotechnology</i> , 2010, 162, 2284-2293.	1.4	1
137	Use of protein stability to develop dual luciferase toxicity bioreporter strains. <i>Biotechnology and Bioprocess Engineering</i> , 2011, 16, 1254-1261.	1.4	1
138	Bio-hybrid inorganic microparticles derived from CO ₂ for highly efficient and selective removal of antibiotics. <i>Journal of Biological Engineering</i> , 2018, 12, 16.	2.0	1
139	Cold shock response in <i>Lactococcus lactis</i> ssp. <i>diacetylactis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 1999, 4, 93-97.	1.4	0
140	Engineering in Life Sciences Editors. <i>Engineering in Life Sciences</i> , 2014, 14, 2-3.	2.0	0
141	Editorial overview: Environmental biotechnology. <i>Current Opinion in Biotechnology</i> , 2017, 45, ix-xi.	3.3	0