

Man Bock Gu

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

139
papers

6,549
citations

43
h-index

76
g-index

144
ext. papers

7,205
ext. citations

7
avg, IF

6.06
L-index

#	Paper	IF	Citations
139	Silver-ion-mediated reactive oxygen species generation affecting bactericidal activity. <i>Water Research</i> , 2009 , 43, 1027-32	12.5	400
138	Enzyme stabilization by nano/microsized hybrid materials. <i>Engineering in Life Sciences</i> , 2013 , 13, 49-61	3.4	339
137	Analysis of the toxic mode of action of silver nanoparticles using stress-specific bioluminescent bacteria. <i>Small</i> , 2008 , 4, 746-50	11	321
136	Aptamer-based nanobiosensors. <i>Biosensors and Bioelectronics</i> , 2016 , 76, 2-19	11.8	255
135	Evaluation of the toxic impact of silver nanoparticles on Japanese medaka (<i>Oryzias latipes</i>). <i>Aquatic Toxicology</i> , 2009 , 94, 320-7	5.1	227
134	Electrochemical detection of 17beta-estradiol using DNA aptamer immobilized gold electrode chip. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2525-31	11.8	207
133	A novel colorimetric aptasensor using gold nanoparticle for a highly sensitive and specific detection of oxytetracycline. <i>Biosensors and Bioelectronics</i> , 2010 , 26, 1644-9	11.8	181
132	Preparation of biocatalytic nanofibres with high activity and stability via enzyme aggregate coating on polymer nanofibres. <i>Nanotechnology</i> , 2005 , 16, S382-8	3.4	161
131	Long-range neural and gap junction protein-mediated cues control polarity during planarian regeneration. <i>Developmental Biology</i> , 2010 , 339, 188-99	3.1	147
130	Angle-multiplexed all-dielectric metasurfaces for broadband molecular fingerprint retrieval. <i>Science Advances</i> , 2019 , 5, eaaw2871	14.3	135
129	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, 2867-73	7.8	134
128	Aptamer-based environmental biosensors for small molecule contaminants. <i>Current Opinion in Biotechnology</i> , 2017 , 45, 15-23	11.4	128
127	A cell array biosensor for environmental toxicity analysis. <i>Biosensors and Bioelectronics</i> , 2005 , 21, 500-7	11.8	125
126	Electrochemical aptasensor for tetracycline detection. <i>Bioprocess and Biosystems Engineering</i> , 2010 , 33, 31-7	3.7	121
125	Single-stranded DNA aptamers specific for antibiotics tetracyclines. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 7245-53	3.4	111
124	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, 1203-7	11	99
123	Specific detection of oxytetracycline using DNA aptamer-immobilized interdigitated array electrode chip. <i>Analytica Chimica Acta</i> , 2009 , 634, 250-4	6.6	95

122	ssDNA aptamers that selectively bind oxytetracycline. <i>Bioorganic and Medicinal Chemistry</i> , 2008 , 16, 1254-61	11.8	91
121	A biosensor for the detection of gas toxicity using a recombinant bioluminescent bacterium. <i>Biosensors and Bioelectronics</i> , 2000 , 15, 23-30	11.8	89
120	Soil biosensor for the detection of PAH toxicity using an immobilized recombinant bacterium and a biosurfactant. <i>Biosensors and Bioelectronics</i> , 2001 , 16, 667-74	11.8	87
119	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	11.8	79
118	An ultra-sensitive colorimetric detection of tetracyclines using the shortest aptamer with highly enhanced affinity. <i>Chemical Communications</i> , 2014 , 50, 40-2	5.8	77
117	Magnetic mesoporous materials for removal of environmental wastes. <i>Journal of Hazardous Materials</i> , 2011 , 192, 1140-7	12.8	71
116	A portable toxicity biosensor using freeze-dried recombinant bioluminescent bacteria. <i>Biosensors and Bioelectronics</i> , 2002 , 17, 433-40	11.8	71
115	A bioluminescent sensor for high throughput toxicity classification. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 1015-21	11.8	67
114	Aptamer-based sandwich-type biosensors. <i>Journal of Biological Engineering</i> , 2017 , 11, 11	6.3	65
113	An ultra-sensitive detection of a whole virus using dual aptamers developed by immobilization-free screening. <i>Biosensors and Bioelectronics</i> , 2014 , 51, 324-9	11.8	64
112	A two-stage minibioreactor system for continuous toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 1999 , 14, 355-61	11.8	62
111	Enhanced degradation of an endocrine-disrupting chemical, butyl benzyl phthalate, by <i>Fusarium oxysporum</i> f. sp. <i>pisi</i> cutinase. <i>Applied and Environmental Microbiology</i> , 2002 , 68, 4684-8	4.8	59
110	Highly stable trypsin-aggregate coatings on polymer nanofibers for repeated protein digestion. <i>Proteomics</i> , 2009 , 9, 1893-900	4.8	54
109	Degradation of 2,4,6-trinitrotoluene by immobilized horseradish peroxidase and electrogenerated peroxide. <i>Water Research</i> , 2003 , 37, 983-92	12.5	54
108	An integrated mini biosensor system for continuous water toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 2005 , 20, 1744-9	11.8	53
107	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	11.8	52
106	Fabrication of a bio-MEMS based cell-chip for toxicity monitoring. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 1586-92	11.8	51
105	Biomarker gene response in male Medaka (<i>Oryzias latipes</i>) chronically exposed to silver nanoparticle. <i>Ecotoxicology and Environmental Safety</i> , 2012 , 78, 239-45	7	48

104	Sphingomonas sp. strain SB5 degrades carbofuran to a new metabolite by hydrolysis at the furanyl ring. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 2309-14	5.7	48
103	Highly stable enzyme precipitate coatings and their electrochemical applications. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 1980-6	11.8	47
102	Monitoring and classification of PAH toxicity using an immobilized bioluminescent bacteria. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 571-7	11.8	46
101	Advances in aptamer screening and small molecule aptasensors. <i>Advances in Biochemical Engineering/Biotechnology</i> , 2014 , 140, 29-67	1.7	45
100	Isolation and characterization of enantioselective DNA aptamers for ibuprofen. <i>Bioorganic and Medicinal Chemistry</i> , 2010 , 18, 3467-73	3.4	45
99	Foreign gene expression (beta-galactosidase) during the cell cycle phases in recombinant CHO cells. <i>Biotechnology and Bioengineering</i> , 1993 , 42, 1113-23	4.9	45
98	Highly amplified detection of visceral adipose tissue-derived serpin (vaspin) using a cognate aptamer duo. <i>Biosensors and Bioelectronics</i> , 2015 , 70, 261-7	11.8	44
97	An oxidative stress-specific bacterial cell array chip for toxicity analysis. <i>Biosensors and Bioelectronics</i> , 2007 , 22, 2223-9	11.8	44
96	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		43
95	The affinity ratio--its pivotal role in gold nanoparticle-based competitive colorimetric aptasensor. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 4058-63	11.8	42
94	Eco-toxicity of commercial silver nanopowders to bacterial and yeast strains. <i>Biotechnology and Bioprocess Engineering</i> , 2009 , 14, 490-495	3.1	42
93	Global gene response in <i>Saccharomyces cerevisiae</i> exposed to silver nanoparticles. <i>Applied Biochemistry and Biotechnology</i> , 2011 , 164, 1278-91	3.2	41
92	Gamma-radiation dose-rate effects on DNA damage and toxicity in bacterial cells. <i>Radiation and Environmental Biophysics</i> , 2003 , 42, 189-92	2	41
91	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	11.8	40
90	Stable and continuous long-term enzymatic reaction using an enzyme-nanofiber composite. <i>Applied Microbiology and Biotechnology</i> , 2007 , 75, 1301-7	5.7	40
89	Construction and characterization of novel dual stress-responsive bacterial biosensors. <i>Biosensors and Bioelectronics</i> , 2004 , 19, 977-85	11.8	38
88	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, 427-32	11.8	38
87	A miniature bioreactor for sensing toxicity using recombinant bioluminescent <i>Escherichia coli</i> cells. <i>Biotechnology Progress</i> , 1996 , 12, 393-7	2.8	37

86	Characterization of the stress response of a bioluminescent biological sensor in batch and continuous cultures. <i>Biotechnology Progress</i> , 1996 , 12, 387-92	2.8	37
85	Detection of iprobenfos and edifenphos using a new multi-aptasensor. <i>Analytica Chimica Acta</i> , 2015 , 868, 60-6	6.6	36
84	Electrospun polystyrene-poly(styrene-co-maleic anhydride) nanofiber as a new aptasensor platform. <i>Biosensors and Bioelectronics</i> , 2012 , 38, 302-7	11.8	36
83	ssDNA aptamers that recognize diclofenac and 2-anilinophenylacetic acid. <i>Bioorganic and Medicinal Chemistry</i> , 2009 , 17, 5380-7	3.4	35
82	Evaluation of a high throughput toxicity biosensor and comparison with a Daphnia magna bioassay. <i>Biosensors and Bioelectronics</i> , 2003 , 18, 821-6	11.8	34
81	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, 123-33	3.1	33
80	Some observations in freeze-drying of recombinant bioluminescent Escherichia coli for toxicity monitoring. <i>Journal of Biotechnology</i> , 2001 , 88, 95-105	3.7	33
79	Carbonic anhydrase assisted calcium carbonate crystalline composites as a biocatalyst. <i>Green Chemistry</i> , 2012 , 14, 2216	10	32
78	Effects of endocrine disrupting chemicals on distinct expression patterns of estrogen receptor, cytochrome P450 aromatase and p53 genes in oryzias latipes liver. <i>Journal of Biochemical and Molecular Toxicology</i> , 2003 , 17, 272-7	3.4	32
77	New functional amorphous calcium phosphate nanocomposites by enzyme-assisted biomineralization. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 532-7	9.5	31
76	Toxicity biomonitoring of degradation byproducts using freeze-dried recombinant bioluminescent bacteria. <i>Analytica Chimica Acta</i> , 2003 , 481, 229-238	6.6	31
75	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, 233-8	11.8	30
74	Highly sensitive detection of 25-HydroxyvitaminD by using a target-induced displacement of aptamer. <i>Biosensors and Bioelectronics</i> , 2017 , 88, 174-180	11.8	29
73	Screening of target-specific stress-responsive genes for the development of cell-based biosensors using a DNA microarray. <i>Analytical Chemistry</i> , 2005 , 77, 8020-6	7.8	29
72	Immobilization and stabilization of subtilisin Carlsberg in magnetically-separable mesoporous silica for transesterification in an organic solvent. <i>Green Chemistry</i> , 2012 , 14, 1884	10	28
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, 6767-74	10.3	28
70	Development of a random genomic DNA microarray for the detection and identification of Listeria monocytogenes in milk. <i>International Journal of Food Microbiology</i> , 2013 , 161, 134-41	5.8	27
69	Biodegradation of dipropyl phthalate and toxicity of its degradation products: a comparison of Fusarium oxysporum f. sp. pisi cutinase and Candida cylindracea esterase. <i>Archives of Microbiology</i> , 2005 , 184, 25-31	3	25

68	Prediction and classification of the modes of genotoxic actions using bacterial biosensors specific for DNA damages. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 767-72	11.8	24
67	A novel bioluminescent bacterial biosensor using the highly specific oxidative stress-inducible <i>pgi</i> gene. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 670-5	11.8	24
66	Characterization and optimization of two methods in the immobilization of 12 bioluminescent strains. <i>Biosensors and Bioelectronics</i> , 2006 , 22, 192-9	11.8	24
65	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	11.8	24
64	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	8.5	23
63	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, 2311-7	7.8	23
62	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	7.8	22
61	Randomly distributed arrays of optically coded functional microbeads for toxicity screening and monitoring. <i>Lab on A Chip</i> , 2010 , 10, 2695-701	7.2	22
60	Response of bioluminescent bacteria to sixteen azo dyes. <i>Biotechnology and Bioprocess Engineering</i> , 2003 , 8, 101-105	3.1	22
59	A novel reflectance-based aptasensor using gold nanoparticles for the detection of oxytetracycline. <i>Analyst, The</i> , 2015 , 140, 6671-5	5	20
58	Shape reformable polymeric nanofibers entrapped with QDs as a scaffold for enzyme stabilization. <i>Journal of Materials Chemistry</i> , 2011 , 21, 5215		20
57	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	3.8	20
56	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	11.8	19
55	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	3.1	19
54	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		19
53	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	3.8	19
52	Specific detection of DNA using quantum dots and magnetic beads for large volume samples. <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 449-454	3.1	18
51	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	8.5	18

50	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	4.1	17
49	Analysis of foreign protein overproduction in recombinant CHO cells. Effect of growth kinetics and cell cycle traverse. <i>Annals of the New York Academy of Sciences</i> , 1994 , 721, 194-207	6.5	17
48	High-throughput prescreening of pharmaceuticals using a genome-wide bacterial bioreporter array. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 699-704	11.8	16
47	Differential effect of chlorine on the oxidative stress generation in dormant and active cells within colony biofilm. <i>Water Research</i> , 2009 , 43, 5252-9	12.5	16
46	Robust trypsin coating on electrospun polymer nanofibers in rigorous conditions and its uses for protein digestion. <i>Biotechnology and Bioengineering</i> , 2010 , 107, 917-23	4.9	16
45	Construction and evaluation of nagR-nagAa::lux fusion strains in biosensing for salicylic acid derivatives. <i>Applied Biochemistry and Biotechnology</i> , 2005 , 120, 183-98	3.2	16
44	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, 4696-701	5	15
43	Aptamers-on-nanofiber as a novel hybrid capturing moiety. <i>Journal of Materials Chemistry</i> , 2011 , 21, 19203		15
42	Modular multi-enzyme cascade process using highly stabilized enzyme microbeads. <i>Green Chemistry</i> , 2014 , 16, 1163	10	14
41	Geno-tox: cell array biochip for genotoxicity monitoring and classification. <i>Applied Biochemistry and Biotechnology</i> , 2012 , 168, 752-60	3.2	14
40	Characterization of gltA: luxCDABE fusion in Escherichia coli as a toxicity biosensor. <i>Biotechnology and Bioprocess Engineering</i> , 2006 , 11, 516-521	3.1	14
39	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	3.5	13
38	Highly-stable magnetically-separable organic-inorganic hybrid microspheres for enzyme entrapment. <i>Journal of Materials Chemistry</i> , 2011 , 21, 6491		13
37	Immobilization as a technical possibility for long-term storage of bacterial biosensors. <i>Radiation and Environmental Biophysics</i> , 2005 , 44, 69-71	2	13
36	Physicochemical factors affecting the sensitivity of Ceriodaphnia dubia to copper. <i>Environmental Monitoring and Assessment</i> , 2001 , 70, 105-16	3.1	13
35	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, 283-8	3.7	13
34	A whole cell bioluminescent biosensor for the detection of membrane-damaging toxicity. <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 59-62	3.1	13
33	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	5.1	12

32	Successful bi-enzyme stabilization for the biomimetic cascade transformation of carbon dioxide. <i>Catalysis Science and Technology</i> , 2016 , 6, 7267-7272	5.5	12
31	CO2 bioconversion using carbonic anhydrase (CA): effects of PEG rigidity on the structure of bio-mineralized crystal composites. <i>Journal of Biotechnology</i> , 2013 , 168, 208-11	3.7	11
30	Characterization of superoxide-stress sensing recombinant Escherichia coli constructed using promoters for genes zwf and fpr fused to lux operon. <i>Applied Microbiology and Biotechnology</i> , 2007 , 74, 1276-83	5.7	11
29	Enhancement of the multi-channel continuous monitoring system through the use of Xenorhabdus luminescens lux fusions. <i>Biosensors and Bioelectronics</i> , 2004 , 20, 475-81	11.8	11
28	Aptamers-in-liposomes for selective and multiplexed capture of small organic compounds. <i>Macromolecular Rapid Communications</i> , 2011 , 32, 1169-73	4.8	10
27	Detection and classification of oxidative damaging stresses using recombinant bioluminescent bacteria harboring sodA?, pqi?, and katG?luxCDABE fusions. <i>Enzyme and Microbial Technology</i> , 2004 , 35, 540-544	3.8	10
26	Toxicity monitoring of endocrine disrupting chemicals (EDCs) using freeze-dried recombinant bioluminescent bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 395-399	3.1	10
25	Detection of Alicyclobacillus species in fruit juice using a random genomic DNA microarray chip. <i>Journal of Food Protection</i> , 2011 , 74, 933-8	2.5	9
24	An optical detection module-based biosensor using fortified bacterial beads for soil toxicity assessment. <i>Analytical and Bioanalytical Chemistry</i> , 2020 , 412, 3373-3381	4.4	8
23	Pilot-scale investigation of sludge reduction in aerobic digestion system with endospore-forming bacteria. <i>Chemosphere</i> , 2017 , 186, 202-208	8.4	8
22	Construction and characterization of Japanese medaka (Oryzias latipes) hepatic cDNA library and its implementation to biomarker screening in aquatic toxicology. <i>Aquatic Toxicology</i> , 2011 , 105, 569-75	5.1	8
21	Construction of a functional network for common DNA damage responses in Escherichia coli. <i>Genomics</i> , 2009 , 93, 514-24	4.3	8
20	Aptasensors for environmental monitoring of contaminants in water and soil. <i>Current Opinion in Environmental Science and Health</i> , 2019 , 10, 9-21	8.1	7
19	In-situ on-fabric one-touch colorimetric detection using aptamer-conjugated gold nanoparticles. <i>Biochip Journal</i> , 2013 , 7, 180-187	4	7
18	Expression analysis of stress-specific responsive genes in two-stage continuous cultures of Escherichia coli using cDNA microarray and real-time RT-PCR analysis. <i>Enzyme and Microbial Technology</i> , 2006 , 39, 440-446	3.8	7
17	Cell cycle analysis of foreign gene (beta-galactosidase) expression in recombinant mouse cells under control of mouse mammary tumor virus promoter. <i>Biotechnology and Bioengineering</i> , 1996 , 50, 229-37	4.9	7
16	Chemical-specific continuous biomonitoring using a recombinant bioluminescent bacterium DNT5 (nagR-nagAa::luxCDABE). <i>Journal of Biotechnology</i> , 2007 , 131, 330-4	3.7	6
15	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, 226-33	2.8	6

14	A new cognate aptamer pair-based sandwich-type electrochemical biosensor for sensitive detection of <i>Staphylococcus aureus</i> . <i>Biosensors and Bioelectronics</i> , 2021 , 198, 113835	11.8	6
13	Aptamer-aptamer linkage based aptasensor for highly enhanced detection of small molecules. <i>Biotechnology Journal</i> , 2016 , 11, 843-9	5.6	6
12	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, 183-93	3.2	5
11	Enhancement in the viability and biosensing activity of freeze-dried recombinant bioluminescent bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2000 , 5, 202-206	3.1	4
10	Microcarrier culture of bowes melanoma cells in serum-free medium with Human plasma fraction IV-4+ V. <i>Biotechnology and Bioengineering</i> , 1991 , 38, 247-53	4.9	4
9	Aptamer duo-based portable electrochemical biosensors for early diagnosis of periodontal disease.. <i>Biosensors and Bioelectronics</i> , 2021 , 199, 113884	11.8	4
8	Salivary microbiota in periodontal health and disease and their changes following nonsurgical periodontal treatment. <i>Journal of Periodontal and Implant Science</i> , 2020 , 50, 171-182	2	4
7	Prescreening of Natural Products in Drug Discovery Using Recombinant Bioluminescent Bacteria. <i>Biotechnology and Bioprocess Engineering</i> , 2019 , 24, 264-271	3.1	3
6	Continuous Modular Biomimetic Utilization of Carbon Dioxide toward Multi- and Chemoenzymatic Systems. <i>ACS Catalysis</i> , 2016 , 6, 6175-6181	13.1	1
5	Use of protein stability to develop dual luciferase toxicity bioreporter strains. <i>Biotechnology and Bioprocess Engineering</i> , 2011 , 16, 1254-1261	3.1	1
4	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, 2284-93	3.2	1
3	Bio-hybrid inorganic microparticles derived from CO for highly efficient and selective removal of antibiotics. <i>Journal of Biological Engineering</i> , 2018 , 12, 16	6.3	1
2	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	6.8	0
1	Cold shock response in <i>Lactococcus lactis</i> ssp. <i>diacetylactis</i> . <i>Biotechnology and Bioprocess Engineering</i> , 1999 , 4, 93-97	3.1	