

Bang-Ce Ye

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.

262
papers

8,717
citations

50
h-index

83
g-index

276
ext. papers

10,410
ext. citations

6.1
avg, IF

6.81
L-index

#	Paper	IF	Citations
262	One-step, multiplexed fluorescence detection of microRNAs based on duplex-specific nuclease signal amplification. <i>Journal of the American Chemical Society</i> , 2012 , 134, 5064-7	16.4	410
261	Highly sensitive detection of mercury(II) ions by fluorescence polarization enhanced by gold nanoparticles. <i>Angewandte Chemie - International Edition</i> , 2008 , 47, 8386-9	16.4	338
260	An allosteric dual-DNAzyme unimolecular probe for colorimetric detection of copper(II). <i>Journal of the American Chemical Society</i> , 2009 , 131, 14624-5	16.4	271
259	Attomolar ultrasensitive microRNA detection by DNA-scaffolded silver-nanocluster probe based on isothermal amplification. <i>Analytical Chemistry</i> , 2012 , 84, 5165-9	7.8	235
258	A PDMS/paper/glass hybrid microfluidic biochip integrated with aptamer-functionalized graphene oxide nano-biosensors for one-step multiplexed pathogen detection. <i>Lab on A Chip</i> , 2013 , 13, 3921-8	7.2	228
257	Rational Engineering of a Dynamic, Entropy-Driven DNA Nanomachine for Intracellular MicroRNA Imaging. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 9077-9081	16.4	207
256	A versatile graphene-based fluorescence "on/off" switch for multiplex detection of various targets. <i>Biosensors and Bioelectronics</i> , 2011 , 26, 3260-5	11.8	203
255	Colorimetric chiral recognition of enantiomers using the nucleotide-capped silver nanoparticles. <i>Analytical Chemistry</i> , 2011 , 83, 1504-9	7.8	184
254	A low-cost and simple paper-based microfluidic device for simultaneous multiplex determination of different types of chemical contaminants in food. <i>Biosensors and Bioelectronics</i> , 2015 , 68, 14-19	11.8	163
253	Magnetic-Based Microfluidic Device for On-Chip Isolation and Detection of Tumor-Derived Exosomes. <i>Analytical Chemistry</i> , 2018 , 90, 13451-13458	7.8	155
252	Colorimetric assay for parallel detection of Cd ²⁺ , Ni ²⁺ and Co ²⁺ using peptide-modified gold nanoparticles. <i>Analyst, The</i> , 2012 , 137, 601-7	5	146
251	Adenosine detection by using gold nanoparticles and designed aptamer sequences. <i>Analyst, The</i> , 2009 , 134, 1355-60	5	143
250	Design and synthesis of highly luminescent near-infrared-emitting water-soluble CdTe/CdSe/ZnS core/shell/shell quantum dots. <i>Inorganic Chemistry</i> , 2009 , 48, 9723-31	5.1	137
249	Simultaneous Surface-Enhanced Raman Spectroscopy Detection of Multiplexed MicroRNA Biomarkers. <i>Analytical Chemistry</i> , 2017 , 89, 6120-6128	7.8	126
248	Copper-Mediated DNA-Scaffolded Silver Nanocluster On-Off Switch for Detection of Pyrophosphate and Alkaline Phosphatase. <i>Analytical Chemistry</i> , 2016 , 88, 9219-25	7.8	125
247	Simple and Cost-Effective Glucose Detection Based on Carbon Nanodots Supported on Silver Nanoparticles. <i>Analytical Chemistry</i> , 2017 , 89, 1323-1328	7.8	121
246	Quantification of Exosome Based on a Copper-Mediated Signal Amplification Strategy. <i>Analytical Chemistry</i> , 2018 , 90, 8072-8079	7.8	113

245	Direct Exosome Quantification via Bivalent-Cholesterol-Labeled DNA Anchor for Signal Amplification. <i>Analytical Chemistry</i> , 2017 , 89, 12968-12975	7.8	104
244	DNAzyme self-assembled gold nanoparticles for determination of metal ions using fluorescence anisotropy assay. <i>Analytical Biochemistry</i> , 2010 , 401, 47-52	3.1	98
243	Electrochemical sensing platform based on the biomass-derived microporous carbons for simultaneous determination of ascorbic acid, dopamine, and uric acid. <i>Biosensors and Bioelectronics</i> , 2018 , 121, 96-103	11.8	93
242	Supportless electrochemical sensor based on molecularly imprinted polymer modified nanoporous microrod for determination of dopamine at trace level. <i>Biosensors and Bioelectronics</i> , 2016 , 78, 308-314	11.8	92
241	Ultrasensitive, colorimetric detection of microRNAs based on isothermal exponential amplification reaction-assisted gold nanoparticle amplification. <i>Biosensors and Bioelectronics</i> , 2016 , 86, 1011-1016	11.8	90
240	Synthesis of N and La co-doped TiO ₂ /AC photocatalyst by microwave irradiation for the photocatalytic degradation of naphthalene. <i>Journal of Alloys and Compounds</i> , 2016 , 676, 489-498	5.7	88
239	Highly sensitive detection of exosomes by SERS using gold nanostar@Raman reporter@nanoshell structures modified with a bivalent cholesterol-labeled DNA anchor. <i>Analyst, The</i> , 2018 , 143, 4915-4922	5	87
238	Microwave-Assisted Synthesis of a Novel Biochar-Based Slow-Release Nitrogen Fertilizer with Enhanced Water-Retention Capacity. <i>ACS Sustainable Chemistry and Engineering</i> , 2017 , 5, 7374-7382	8.3	83
237	Label-free electrochemical impedance spectroscopy biosensor for direct detection of cancer cells based on the interaction between carbohydrate and lectin. <i>Biosensors and Bioelectronics</i> , 2013 , 43, 79-83	11.8	82
236	Label-free fluorescent detection of copper(II) using DNA-templated highly luminescent silver nanoclusters. <i>Analyst, The</i> , 2011 , 136, 5139-42	5	80
235	Highly sensitive detection of microRNAs based on isothermal exponential amplification-assisted generation of catalytic G-quadruplex DNAzyme. <i>Biosensors and Bioelectronics</i> , 2013 , 42, 131-5	11.8	73
234	Sensitive detection of microRNA in complex biological samples via enzymatic signal amplification using DNA polymerase coupled with nicking endonuclease. <i>Analytical Chemistry</i> , 2013 , 85, 11487-93	7.8	73
233	Time-resolved probes based on guanine/thymine-rich DNA-sensitized luminescence of terbium(III). <i>Analytical Chemistry</i> , 2013 , 85, 11665-74	7.8	72
232	SARS-CoV-2 ORF9b inhibits RIG-I-MAVS antiviral signaling by interrupting K63-linked ubiquitination of NEMO. <i>Cell Reports</i> , 2021 , 34, 108761	10.6	72
231	Novel electrochemical sensing platform based on a molecularly imprinted polymer decorated 3D nanoporous nickel skeleton for ultrasensitive and selective determination of metronidazole. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 15474-80	9.5	69
230	Reverse biological engineering of hrdB to enhance the production of avermectins in an industrial strain of <i>Streptomyces avermitilis</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010 , 107, 11250-4	11.5	69
229	A highly integrated DNA nanomachine operating in living cells powered by an endogenous stimulus. <i>Chemical Science</i> , 2018 , 9, 3299-3304	9.4	67
228	Engineering DNA aptamers for novel analytical and biomedical applications. <i>Chemical Science</i> , 2011 , 2, 1003	9.4	63

227	A novel electrochemical sensor based on Cu@Ni/MWCNTs nanocomposite for simultaneous determination of guanine and adenine. <i>Biosensors and Bioelectronics</i> , 2018 , 102, 389-395	11.8	63
226	Microwave-Assisted Synthesis of a Semi-interpenetrating Polymer Network Slow-Release Nitrogen Fertilizer with Water Absorbency from Cotton Stalks. <i>ACS Sustainable Chemistry and Engineering</i> , 2016 , 4, 6572-6579	8.3	60
225	Multiplexed detection of microRNAs by tuning DNA-scaffolded silver nanoclusters. <i>Analyst, The</i> , 2013 , 138, 4812-7	5	58
224	Highly sensitive surface-enhanced Raman scattering detection of hexavalent chromium based on hollow sea urchin-like TiO@Ag nanoparticle substrate. <i>Biosensors and Bioelectronics</i> , 2017 , 87, 187-194	11.8	58
223	A label-free electrochemical DNA sensor based on exonuclease III-aided target recycling strategy for sequence-specific detection of femtomolar DNA. <i>Biosensors and Bioelectronics</i> , 2011 , 28, 232-8	11.8	58
222	Fabrication of ultra-sensitive and selective dopamine electrochemical sensor based on molecularly imprinted polymer modified graphene@carbon nanotube foam. <i>Electrochemistry Communications</i> , 2016 , 64, 42-45	5.1	57
221	Multiplexed analysis of silver(I) and mercury(II) ions using oligonucleotide-metal nanoparticle conjugates. <i>Analyst, The</i> , 2011 , 136, 3289-94	5	56
220	A novel polydopamine-based chemiluminescence resonance energy transfer method for microRNA detection coupling duplex-specific nuclease-aided target recycling strategy. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 366-372	11.8	55
219	DNAzyme-based microarray for highly sensitive determination of metal ions. <i>Biosensors and Bioelectronics</i> , 2009 , 25, 935-9	11.8	54
218	Colorimetric detection of sequence-specific microRNA based on duplex-specific nuclease-assisted nanoparticle amplification. <i>Analyst, The</i> , 2015 , 140, 6306-12	5	53
217	Iron Phthalocyanine Decorated Nitrogen-Doped Graphene Biosensing Platform for Real-Time Detection of Nitric Oxide Released from Living Cells. <i>Analytical Chemistry</i> , 2018 , 90, 4438-4444	7.8	53
216	Plant growth promotion and alleviation of salinity stress in <i>Capsicum annuum</i> L. by <i>Bacillus</i> isolated from saline soil in Xinjiang. <i>Ecotoxicology and Environmental Safety</i> , 2018 , 164, 520-529	7	52
215	Label-Free Detection of Sequence-Specific DNA Based on Fluorescent Silver Nanoclusters-Assisted Surface Plasmon-Enhanced Energy Transfer. <i>ACS Applied Materials & Interfaces</i> , 2015 , 7, 12856-63	9.5	52
214	A robust electrochemical sensing of molecularly imprinted polymer prepared by using bifunctional monomer and its application in detection of cypermethrin. <i>Biosensors and Bioelectronics</i> , 2019 , 127, 207-214	11.8	51
213	A cost-effective Z-folding controlled liquid handling microfluidic paper analysis device for pathogen detection via ATP quantification. <i>Biosensors and Bioelectronics</i> , 2015 , 63, 379-383	11.8	50
212	Nitrogen regulator GlnR controls uptake and utilization of non-phosphotransferase-system carbon sources in actinomycetes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015 , 112, 15630-5	11.5	50
211	A robust electrochemical sensing platform using carbon paste electrode modified with molecularly imprinted microsphere and its application on methyl parathion detection. <i>Biosensors and Bioelectronics</i> , 2018 , 106, 71-77	11.8	47
210	Colorimetric assay for sulfate using positively-charged gold nanoparticles and its application for real-time monitoring of redox process. <i>Analyst, The</i> , 2011 , 136, 4558-62	5	47

209	Effect of Different Activated Carbon as Carrier on the Photocatalytic Activity of Ag-N-ZnO Photocatalyst for Methyl Orange Degradation under Visible Light Irradiation. <i>Nanomaterials</i> , 2017 , 7,	5.4	46
208	An RNA-Guided Cas9 Nickase-Based Method for Universal Isothermal DNA Amplification. <i>Angewandte Chemie - International Edition</i> , 2019 , 58, 5382-5386	16.4	45
207	Sensitive DNA-based electrochemical strategy for trace bleomycin detection. <i>Analytical Chemistry</i> , 2010 , 82, 8272-7	7.8	44
206	A novel fluorescence probe of dsDNA-templated copper nanoclusters for quantitative detection of microRNAs. <i>RSC Advances</i> , 2013 , 3, 8633	3.7	42
205	A dual signal amplification method for exosome detection based on DNA dendrimer self-assembly. <i>Analyst, The</i> , 2019 , 144, 1995-2002	5	40
204	A novel electrochemical sensor based on bimetallic metal-organic framework-derived porous carbon for detection of uric acid. <i>Talanta</i> , 2019 , 199, 478-484	6.2	40
203	Lysine acetylproteome analysis suggests its roles in primary and secondary metabolism in <i>Saccharopolyspora erythraea</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 1399-413	5.7	39
202	A ratiometric fluorescent probe for sensitive, selective and reversible detection of copper (II) based on riboflavin-stabilized gold nanoclusters. <i>Talanta</i> , 2013 , 117, 399-404	6.2	39
201	Detection of breast cancer-derived exosomes using the horseradish peroxidase-mimicking DNAzyme as an aptasensor. <i>Analyst, The</i> , 2019 , 145, 107-114	5	39
200	Microwave-assisted modification of activated carbon with ammonia for efficient pyrene adsorption. <i>Journal of Industrial and Engineering Chemistry</i> , 2016 , 39, 27-36	6.3	39
199	Simultaneous voltammetric determination of dopamine and uric acid using carbon-encapsulated hollow Fe ₃ O ₄ nanoparticles anchored to an electrode modified with nanosheets of reduced graphene oxide. <i>Mikrochimica Acta</i> , 2017 , 184, 843-853	5.8	38
198	Multiplexed bead-based mesofluidic system for detection of food-borne pathogenic bacteria. <i>Applied and Environmental Microbiology</i> , 2009 , 75, 6647-54	4.8	38
197	A free-standing electrochemical sensor based on graphene foam-carbon nanotube composite coupled with gold nanoparticles and its sensing application for electrochemical determination of dopamine and uric acid. <i>Journal of Electroanalytical Chemistry</i> , 2017 , 801, 129-134	4.1	37
196	GlnR-mediated regulation of nitrogen metabolism in the actinomycete <i>Saccharopolyspora erythraea</i> . <i>Applied Microbiology and Biotechnology</i> , 2014 , 98, 7935-48	5.7	36
195	Molecularly imprinted polymer functionalized nanoporous Au-Ag alloy microrod: Novel supportless electrochemical platform for ultrasensitive and selective sensing of metronidazole. <i>Electrochimica Acta</i> , 2016 , 208, 10-16	6.7	36
194	Multiple and sensitive SERS detection of cancer-related exosomes based on gold-silver bimetallic nanotrepangs. <i>Analyst, The</i> , 2020 , 145, 2795-2804	5	35
193	Ultrasensitive and selective assay of glutathione species in arsenic trioxide-treated leukemia HL-60 cell line by molecularly imprinted polymer decorated electrochemical sensors. <i>Biosensors and Bioelectronics</i> , 2016 , 80, 491-496	11.8	35
192	Electrochemical sensor based on molecularly imprinted polymer for sensitive and selective determination of metronidazole via two different approaches. <i>Analytical and Bioanalytical Chemistry</i> , 2016 , 408, 4287-95	4.4	35

191	Sirtuin-dependent reversible lysine acetylation of glutamine synthetases reveals an autofeedback loop in nitrogen metabolism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 6653-8	11.5	34
190	Highly sensitive and selective voltammetric determination of dopamine using a gold electrode modified with a molecularly imprinted polymeric film immobilized on flaked hollow nickel nanospheres. <i>Mikrochimica Acta</i> , 2017 , 184, 1285-1294	5.8	33
189	A universal real-time PCR assay for rapid quantification of microRNAs via the enhancement of base-stacking hybridization. <i>Chemical Communications</i> , 2013 , 49, 8247-9	5.8	33
188	Synthesis of Magnetic Microspheres with Sodium Alginate and Activated Carbon for Removal of Methylene Blue. <i>Materials</i> , 2017 , 10,	3.5	33
187	Acetyl coenzyme A synthetase is acetylated on multiple lysine residues by a protein acetyltransferase with a single Gcn5-type N-acetyltransferase (GNAT) domain in <i>Saccharopolyspora erythraea</i> . <i>Journal of Bacteriology</i> , 2014 , 196, 3169-78	3.5	32
186	Systems perspectives on erythromycin biosynthesis by comparative genomic and transcriptomic analyses of <i>S. erythraea</i> E3 and NRRL23338 strains. <i>BMC Genomics</i> , 2013 , 14, 523	4.5	31
185	Improved ligation-mediated PCR method coupled with T7 RNA polymerase for sensitive DNA detection. <i>Analytical Chemistry</i> , 2014 , 86, 7214-8	7.8	30
184	Quantitative monitoring of 2-oxoglutarate in <i>Escherichia coli</i> cells by a fluorescence resonance energy transfer-based biosensor. <i>Applied Microbiology and Biotechnology</i> , 2013 , 97, 8307-16	5.7	30
183	Synthesis of hollow MoC/carbon spheres, and their application to simultaneous electrochemical detection of hydroquinone, catechol, and resorcinol. <i>Mikrochimica Acta</i> , 2019 , 186, 306	5.8	29
182	Viability evaluation of alginate-encapsulated <i>Pseudomonas putida</i> Rs-198 under simulated salt-stress conditions and its effect on cotton growth. <i>European Journal of Soil Biology</i> , 2016 , 75, 135-141	2.9	29
181	A novel sensitive and selective electrochemical sensor based on molecularly imprinted polymer on a nanoporous gold leaf modified electrode for warfarin sodium determination. <i>RSC Advances</i> , 2016 , 6, 43724-43731	3.7	29
180	Rational Engineering of a Dynamic, Entropy-Driven DNA Nanomachine for Intracellular MicroRNA Imaging. <i>Angewandte Chemie</i> , 2017 , 129, 9205-9209	3.6	28
179	Mutation analysis of key genes in RAS/RAF and PI3K/PTEN pathways in Chinese patients with hepatocellular carcinoma. <i>Oncology Letters</i> , 2014 , 8, 1249-1254	2.6	28
178	Three genes encoding citrate synthases in <i>Saccharopolyspora erythraea</i> are regulated by the global nutrient-sensing regulators GlnR, DasR, and CRP. <i>Molecular Microbiology</i> , 2014 , 94, 1065	4.1	28
177	Determination of beta-adrenergic agonists by hapten microarray. <i>Talanta</i> , 2010 , 82, 61-6	6.2	28
176	Characterization of Protein Lysine Propionylation in <i>Escherichia coli</i> : Global Profiling, Dynamic Change, and Enzymatic Regulation. <i>Journal of Proteome Research</i> , 2016 , 15, 4696-4708	5.6	27
175	Mercury(II) ion detection via pyrene-mediated photolysis of disulfide bonds. <i>Chemistry - A European Journal</i> , 2012 , 18, 1286-9	4.8	27
174	Overoxidized polypyrrole/multi-walled carbon nanotubes composite modified electrode for in vivo liquid chromatography-electrochemical detection of dopamine. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2009 , 877, 1793-8	3.2	27

173	Biodegradation of Phthalate Esters by a Newly Isolated Acinetobacter sp. Strain LMB-5 and Characteristics of Its Esterase. <i>Pedosphere</i> , 2017 , 27, 606-615	5	26
172	Graphene oxide-based fluorescent "on/off" switch for visual bioassay using "molecular beacon"-hosted Hoechst dyes. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 8278-82	9.5	26
171	Different strategies of covalent attachment of oligonucleotide probe onto glass beads and the hybridization properties. <i>Applied Biochemistry and Biotechnology</i> , 2009 , 152, 54-65	3.2	26
170	Improvement of the performance of H ₂ O ₂ oxidation at low working potential by incorporating TTF-TCNQ into a platinum wire electrode for glucose determination. <i>Biosensors and Bioelectronics</i> , 1999 , 14, 327-34	11.8	26
169	Systematic Proteomic Analysis of Protein Methylation in Prokaryotes and Eukaryotes Revealed Distinct Substrate Specificity. <i>Proteomics</i> , 2018 , 18, 1700300	4.8	26
168	Mononucleotide-modified metal nanoparticles: an efficient colorimetric probe for selective and sensitive detection of aluminum(III) on living cellular surfaces. <i>Chemistry - A European Journal</i> , 2012 , 18, 2507-13	4.8	25
167	Enhanced l-ornithine production by systematic manipulation of l-ornithine metabolism in engineered <i>Corynebacterium glutamicum</i> S9114. <i>Bioresource Technology</i> , 2018 , 250, 60-68	11	25
166	Acetyl-CoA synthetases of <i>Saccharopolyspora erythraea</i> are regulated by the nitrogen response regulator GlnR at both transcriptional and post-translational levels. <i>Molecular Microbiology</i> , 2017 , 103, 845-859	4.1	24
165	A lateral flow strip combined with Cas9 nickase-triggered amplification reaction for dual food-borne pathogen detection. <i>Biosensors and Bioelectronics</i> , 2020 , 165, 112364	11.8	24
164	Systematic pathway engineering of <i>Corynebacterium glutamicum</i> S9114 for L-ornithine production. <i>Microbial Cell Factories</i> , 2017 , 16, 158	6.4	24
163	From multi-scale methodology to systems biology: to integrate strain improvement and fermentation optimization. <i>Journal of Chemical Technology and Biotechnology</i> , 2006 , 81, 734-745	3.5	23
162	Enzyme-free detection of sequence-specific microRNAs based on nanoparticle-assisted signal amplification strategy. <i>Biosensors and Bioelectronics</i> , 2016 , 77, 995-1000	11.8	22
161	Reciprocal Regulation of GlnR and PhoP in Response to Nitrogen and Phosphate Limitations in <i>Saccharopolyspora erythraea</i> . <i>Applied and Environmental Microbiology</i> , 2016 , 82, 409-20	4.8	22
160	Lysine Malonylome May Affect the Central Metabolism and Erythromycin Biosynthesis Pathway in <i>Saccharopolyspora erythraea</i> . <i>Journal of Proteome Research</i> , 2016 , 15, 1685-701	5.6	22
159	Metabolic engineering of <i>Corynebacterium glutamicum</i> S9114 to enhance the production of l-ornithine driven by glucose and xylose. <i>Bioresource Technology</i> , 2019 , 284, 204-213	11	21
158	Protein Acetylation and Butyrylation Regulate the Phenotype and Metabolic Shifts of the Endospore-forming. <i>Molecular and Cellular Proteomics</i> , 2018 , 17, 1156-1169	7.6	21
157	DNA template-regulated intergrowth of a fluorescent silver nanocluster emitter pair. <i>RSC Advances</i> , 2015 , 5, 98467-98471	3.7	21
156	Microwave-assisted one-step synthesis and characterization of a slow release nitrogen fertilizer with inorganic and organic composites. <i>RSC Advances</i> , 2016 , 6, 37337-37346	3.7	21

155	High-throughput screening of high lactic acid-producing by droplet microfluidic based flow cytometry with fluorescence activated cell sorting.. <i>RSC Advances</i> , 2019 , 9, 4507-4513	3.7	20
154	SACE_3986, a TetR family transcriptional regulator, negatively controls erythromycin biosynthesis in <i>Saccharopolyspora erythraea</i> . <i>Journal of Industrial Microbiology and Biotechnology</i> , 2014 , 41, 1159-67	4.2	20
153	Comparative transcriptome analysis of <i>Bacillus subtilis</i> responding to dissolved oxygen in adenosine fermentation. <i>PLoS ONE</i> , 2011 , 6, e20092	3.7	20
152	l-Glutamate biosensor using a novel l-glutamate oxidase and its application to flow injection analysis system. <i>Journal of Biotechnology</i> , 1995 , 42, 45-52	3.7	20
151	A single cell droplet microfluidic system for quantitative determination of food-borne pathogens. <i>Talanta</i> , 2020 , 209, 120571	6.2	20
150	High GC Content Cas9-Mediated Genome-Editing and Biosynthetic Gene Cluster Activation in <i>Saccharopolyspora erythraea</i> . <i>ACS Synthetic Biology</i> , 2018 , 7, 1338-1348	5.7	19
149	Dissecting and engineering of the TetR family regulator SACE_7301 for enhanced erythromycin production in <i>Saccharopolyspora erythraea</i> . <i>Microbial Cell Factories</i> , 2014 , 13, 158	6.4	19
148	Advances in biosensing technologies for analysis of cancer-derived exosomes. <i>TrAC - Trends in Analytical Chemistry</i> , 2020 , 123, 115773	14.6	19
147	A novel linear molecular beacon based on DNA-scaffolded silver nanocluster for DNA detection via exonuclease III-assisted cyclic amplification. <i>RSC Advances</i> , 2015 , 5, 65437-65443	3.7	18
146	Catalytic-Hairpin-Assembly-Assisted DNA Tetrahedron Nanoprobe for Intracellular MicroRNA Imaging.. <i>ACS Applied Bio Materials</i> , 2020 , 3, 2861-2866	4.1	18
145	A genetically encoded biosensor for in vitro and in vivo detection of NADP(.). <i>Biosensors and Bioelectronics</i> , 2016 , 77, 901-6	11.8	18
144	Allosteric regulation of a protein acetyltransferase in <i>Micromonospora aurantiaca</i> by the amino acids cysteine and arginine. <i>Journal of Biological Chemistry</i> , 2014 , 289, 27034-27045	5.4	18
143	Prediction of the mechanism of action of fusaricidin on <i>Bacillus subtilis</i> . <i>PLoS ONE</i> , 2012 , 7, e50003	3.7	18
142	Time-resolved transcriptome analysis of <i>Bacillus subtilis</i> responding to valine, glutamate, and glutamine. <i>PLoS ONE</i> , 2009 , 4, e7073	3.7	18
141	A versatile proximity-dependent probe based on light-up DNA-scaffolded silver nanoclusters. <i>Analyst, The</i> , 2016 , 141, 1301-6	5	17
140	Decolorization and degradation analysis of Disperse Red 3B by a consortium of the fungus sp. XJ-2 and the microalgae XJK.. <i>RSC Advances</i> , 2019 , 9, 14558-14566	3.7	17
139	A single fluorescent protein-based sensor for in vivo 2-oxoglutarate detection in cell. <i>Biosensors and Bioelectronics</i> , 2014 , 54, 15-9	11.8	17
138	Control of chitin and N-acetylglucosamine utilization in <i>Saccharopolyspora erythraea</i> . <i>Microbiology (United Kingdom)</i> , 2014 , 160, 1914-1928	2.9	17

137	Synthesis of Visible-Light-Responsive Cu and N-Codoped AC/TiO ₂ Photocatalyst Through Microwave Irradiation. <i>Nanoscale Research Letters</i> , 2016 , 11, 292	5	17
136	Novel electrochemical sensing platform based on integration of molecularly imprinted polymer with Au@Ag hollow nanoshell for determination of resveratrol. <i>Talanta</i> , 2019 , 196, 479-485	6.2	17
135	Bead-based mesofluidic system for residue analysis of chloramphenicol. <i>Journal of Agricultural and Food Chemistry</i> , 2008 , 56, 9862-7	5.7	16
134	Preparation and characterization of monodisperse microcapsules with alginate and bentonite via external gelation technique encapsulating <i>Pseudomonas putida</i> Rs-198. <i>Journal of Biomaterials Science, Polymer Edition</i> , 2017 , 28, 1556-1571	3.5	15
133	Characterization of Terminators in <i>Saccharomyces cerevisiae</i> and an Exploration of Factors Affecting Their Strength. <i>ChemBioChem</i> , 2017 , 18, 2422-2427	3.8	15
132	SL-13 biochar formulation promotes pepper plant growth and soil improvement. <i>Canadian Journal of Microbiology</i> , 2019 , 65, 333-342	3.2	15
131	Electrochemical determination of trace lead(II) with enhanced sensitivity and selectivity by three-dimensional nanoporous gold leaf and self-assembled homocysteine monolayer. <i>Journal of Electroanalytical Chemistry</i> , 2015 , 758, 78-84	4.1	15
130	Metabolically engineering of <i>Yarrowia lipolytica</i> for the biosynthesis of naringenin from a mixture of glucose and xylose. <i>Bioresource Technology</i> , 2020 , 314, 123726	11	15
129	Pathway engineering in S9114 for 5-aminolevulinic acid production. <i>3 Biotech</i> , 2018 , 8, 247	2.8	15
128	Development of a capillary flow microfluidic <i>Escherichia coli</i> biosensor with on-chip reagent delivery using water-soluble nanofibers. <i>Microsystem Technologies</i> , 2013 , 19, 2011-2015	1.7	15
127	Development of a Highly Sensitive Whole-Cell Biosensor for Arsenite Detection through Engineered Promoter Modifications. <i>ACS Synthetic Biology</i> , 2019 , 8, 2295-2302	5.7	14
126	DasR is a pleiotropic regulator required for antibiotic production, pigment biosynthesis, and morphological development in <i>Saccharopolyspora erythraea</i> . <i>Applied Microbiology and Biotechnology</i> , 2015 , 99, 10215-24	5.7	14
125	GlnR and PhoP Directly Regulate the Transcription of Genes Encoding Starch-Degrading, Amylolytic Enzymes in <i>Saccharopolyspora erythraea</i> . <i>Applied and Environmental Microbiology</i> , 2016 , 82, 6819-6830	4.8	14
124	Multicomponent mesofluidic system for the detection of veterinary drug residues based on competitive immunoassay. <i>Analytical Biochemistry</i> , 2010 , 405, 89-95	3.1	14
123	Ultrasensitive SERS detection of specific oligonucleotides based on Au@AgAg bimetallic nanorods. <i>Analyst, The</i> , 2019 , 144, 2929-2935	5	13
122	Algal-Bacterial Symbiosis System Treating High-Load Printing and Dyeing Wastewater in Continuous-Flow Reactors under Natural Light. <i>Water (Switzerland)</i> , 2019 , 11, 469	3	13
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