Seung-Goo Lee

List of Publications by Year
in descending order

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155 papers	4,474 citations	126907 33 h-index	144013 57 g-index
158 all docs	158 docs citations	158 times ranked	5968 citing authors

#	Article	IF	Citations
1	Network Context and Selection in the Evolution to Enzyme Specificity. Science, 2012, 337, 1101-1104.	12.6	249
2	Comparative multi-omics systems analysis of Escherichia coli strains B and K-12. Genome Biology, 2012, 13, R37.	9.6	155
3	Biological Valorization of Poly(ethylene terephthalate) Monomers for Upcycling Waste PET. ACS Sustainable Chemistry and Engineering, 2019, 7, 19396-19406.	6.7	141
4	Adaptive Evolution ofEscherichia coliK-12 MG1655 during Growth on a Nonnative Carbon Source,<scp>l</scp>-1,2-Propanediol. Applied and Environmental Microbiology, 2010, 76, 4158-4168.	3.1	140
5	The Activated SA and JA Signaling Pathways Have an Influence on flg22-Triggered Oxidative Burst and Callose Deposition. PLoS ONE, 2014, 9, e88951.	2.5	135
6	CRISPR interference-guided balancing of a biosynthetic mevalonate pathway increases terpenoid production. Metabolic Engineering, 2016, 38, 228-240.	7.0	132
7	Design of a binding scaffold based on variable lymphocyte receptors of jawless vertebrates by module engineering. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 3299-3304.	7.1	129
8	Role of p53, PUMA, and Bax in wogonin-induced apoptosis in human cancer cells. Biochemical Pharmacology, 2008, 75, 2020-2033.	4.4	119
9	The structural basis for the negative regulation of thioredoxin by thioredoxin-interacting protein. Nature Communications, 2014, 5, 2958.	12.8	114
10	A novel psychrophilic alkaline phosphatase from the metagenome of tidal flat sediments. BMC Biotechnology, 2015, 15, 1.	3.3	100
11	Production of a Monoclonal Antibody against Ochratoxin A and Its Application to Immunochromatographic Assay. Journal of Agricultural and Food Chemistry, 2005, 53, 8447-8451.	5.2	98
12	Toward a Generalized and High-throughput Enzyme Screening System Based on Artificial Genetic Circuits. ACS Synthetic Biology, 2014, 3, 163-171.	3.8	77
13	A synthetic microbial biosensor for high-throughput screening of lactam biocatalysts. Nature Communications, 2018, 9, 5053.	12.8	77
14	Comparative genomics and experimental evolution of Escherichia coli BL21(DE3) strains reveal the landscape of toxicity escape from membrane protein overproduction. Scientific Reports, 2015, 5, 16076.	3.3	73
15	Efficient Transcriptional Gene Repression by Type V-A CRISPR-Cpf1 from Eubacterium eligens. ACS Synthetic Biology, 2017, 6, 1273-1282.	3.8	69
16	A High-Affinity Protein Binder that Blocks the IL-6/STAT3 Signaling Pathway Effectively Suppresses Nonâ€“Small Cell Lung Cancer. Molecular Therapy, 2014, 22, 1254-1265.	8.2	68
17	CRISPR interference-guided multiplex repression of endogenous competing pathway genes for redirecting metabolic flux in Escherichia coli. Microbial Cell Factories, 2017, 16, 188.	4.0	68
18	Genome Sequence of the Thermotolerant Yeast Kluyveromyces marxianus var. marxianus KCTC 17555. Eukaryotic Cell, 2012, 11, 1584-1585.	3.4	65

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19	The weight-bearing scanogram technique provides better coronal limb alignment than the navigation technique in open high tibial osteotomy. Knee, 2014, 21, 451-455.	1.6	64
20	Cloning, expression, and characterization of single-chain variable fragment antibody against mycotoxin deoxynivalenol in recombinant Escherichia coli. Protein Expression and Purification, 2004, 35, 84-92.	1.3	59
21	A designed whole-cell biosensor for live diagnosis of gut inflammation through nitrate sensing. Biosensors and Bioelectronics, 2020, 168, 112523.	10.1	58
22	Hydrogel-Based Colorimetric Assay for Multiplexed MicroRNA Detection in a Microfluidic Device. Analytical Chemistry, 2020, 92, 5750-5755.	6.5	54
23	Coexpression of folding accessory proteins for production of active cyclodextrin glycosyltransferase of Bacillus macerans in recombinant Escherichia coli. Protein Expression and Purification, 2005, 41, 426-432.	1.3	50
24	Cumulative Number of Cell Divisions as a Meaningful Timescale for Adaptive Laboratory Evolution of Escherichia coli. PLoS ONE, 2011, 6, e26172.	2.5	50
25	Ageing and rejuvenation models reveal changes in key microbial communities associated with healthy ageing. Microbiome, 2021, 9, 240.	11.1	49
26	A Genetically Encoded Biosensor for Monitoring Isoprene Production in Engineered Escherichia coli. ACS Synthetic Biology, 2018, 7, 2379-2390.	3.8	48
27	Design and Application of Highly Responsive Fluorescence Resonance Energy Transfer Biosensors for Detection of Sugar in Living Saccharomyces cerevisiae Cells. Applied and Environmental Microbiology, 2007, 73, 7408-7414.	3.1	46
28	Fermentative production and direct extraction of (â˜)-Î±-bisabolol in metabolically engineered Escherichia coli. Microbial Cell Factories, 2016, 15, 185.	4.0	44
29	Production of aromatic d-amino acids from Î±-keto acids and ammonia by coupling of four enzyme reactions. Journal of Molecular Catalysis B: Enzymatic, 1999, 6, 241-247.	1.8	42
30	Kribbia dieselivorans gen. nov., sp. nov., a novel member of the family Intrasporangiaceae. International Journal of Systematic and Evolutionary Microbiology, 2006, 56, 2427-2432.	1.7	42
31	A novel bifunctional endo-/exo-type cellulase from an anaerobic ruminal bacterium. Applied Microbiology and Biotechnology, 2011, 89, 1453-1462.	3.6	38
32	The Genome Organization of Thermotoga maritima Reflects Its Lifestyle. PLoS Genetics, 2013, 9, e1003485.	3.5	38
33	Fumarate-Mediated Persistence of Escherichia coli against Antibiotics. Antimicrobial Agents and Chemotherapy, 2016, 60, 2232-2240.	3.2	37
34	New thermostable d-methionine amidase from Brevibacillus borstelensis BCS-1 and its application for d-phenylalanine production. Enzyme and Microbial Technology, 2003, 32, 131-139.	3.2	36
35	Structural Insight into Bioremediation of Triphenylmethane Dyes by Citrobacter sp. Triphenylmethane Reductase. Journal of Biological Chemistry, 2008, 283, 31981-31990.	3.4	36
36	Solid-Phase Refolding of Cyclodextrin Glycosyltransferase Adsorbed on Cation-Exchange Resin. Biotechnology Progress, 2008, 20, 277-283.	2.6	35

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37	Catalytic properties of a GH10 endo-Î²-1,4-xylanase from Streptomyces thermocarboxydus HY-15 isolated from the gut of Eisenia fetida. Journal of Molecular Catalysis B: Enzymatic, 2010, 62, 32-39.	1.8	33
38	Molecular cloning and biochemical characterization of a novel erythrose reductase from Candida magnoliae JH110. Microbial Cell Factories, 2010, 9, 43.	4.0	32
39	Mesh-integrated microdroplet array for simultaneous merging and storage of single-cell droplets. Lab on A Chip, 2012, 12, 1594.	6.0	31
40	Leucine zipper-mediated targeting of multi-enzyme cascade reactions to inclusion bodies in Escherichia coli for enhanced production of 1-butanol. Metabolic Engineering, 2017, 40, 41-49.	7.0	31
41	Role of Junctin Protein Interactions in Cellular Dynamics of Calsequestrin Polymer upon Calcium Perturbation. Journal of Biological Chemistry, 2012, 287, 1679-1687.	3.4	30
42	High-throughput screening system based on phenolics-responsive transcription activator for directed evolution of organophosphate-degrading enzymes. Protein Engineering, Design and Selection, 2012, 25, 725-731.	2.1	30
43	Evolution of enzymes with new specificity by high-throughput screening using DmpR-based genetic circuits and multiple flow cytometry rounds. Scientific Reports, 2018, 8, 2659.	3.3	30
44	<scp>CRISPR</scp> interferenceâ€mediated gene regulation in Pseudomonas putida <scp>KT</scp>2440. Microbial Biotechnology, 2020, 13, 210-221.	4.2	30
45	Aestuariimicrobium kwangyangense gen. nov., sp. nov., an ll-diaminopimelic acid-containing bacterium isolated from tidal flat sediment. International Journal of Systematic and Evolutionary Microbiology, 2007, 57, 2114-2118.	1.7	29
46	Random breakup of microdroplets for single-cell encapsulation. Applied Physics Letters, 2010, 97, 153703.	3.3	29
47	Engineered heterologous FPP synthases-mediated Z,E-FPP synthesis in E. coli. Metabolic Engineering, 2013, 18, 53-59.	7.0	29
48	Optimal operating policy of the ultrafiltration membrane bioreactor for enzymatic hydrolysis of cellulose. Biotechnology and Bioengineering, 1993, 42, 737-746.	3.3	28
49	Production of d-p-hydroxyphenylglycine from d,l-5-(4-hydroxyphenyl)hydantoin using immobilized thermostable d-hydantoinase from Bacillus stearothermophilus SD-1. Enzyme and Microbial Technology, 1996, 18, 35-40.	3.2	27
50	Characterization of a Thermostable d -Stereospecific Alanine Amidase from Brevibacillus borstelensis BCS-1. Applied and Environmental Microbiology, 2003, 69, 980-986.	3.1	27
51	Simultaneous improvement of catalytic activity and thermal stability of tyrosine phenolâ€lyase by directed evolution. FEBS Journal, 2009, 276, 6187-6194.	4.7	27
52	Development of an enzymatic system for the production of dopamine from catechol, pyruvate, and ammonia. Enzyme and Microbial Technology, 1999, 25, 298-302.	3.2	26
53	Characterization of Symbiobacterium toebii , an obligate commensal thermophile isolated from compost. Extremophiles, 2002, 6, 57-64.	2.3	26
54	Proteomics and physiology of erythritol-producing strains. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 815, 251-260.	2.3	26

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55	Adaptive laboratory evolution of Escherichia coli lacking cellular byproduct formation for enhanced acetate utilization through compensatory ATP consumption. Metabolic Engineering, 2020, 62, 249-259.	7.0	26
56	Strategic proteome analysis ofCandida magnoliae with an unsequenced genome. Proteomics, 2004, 4, 3588-3599.	2.2	25
57	Engineering Biology to Construct Microbial Chassis for the Production of Difficult-to-Express Proteins. International Journal of Molecular Sciences, 2020, 21, 990.	4.1	25
58	Generation of catalytic protein particles in Escherichia coli cells using the cellulose-binding domain from Cellulomonas fimi as a fusion partner. Biotechnology and Bioprocess Engineering, 2011, 16, 1173-1179.	2.6	24
59	Molecular Insights into Toluene Sensing in the TodS/TodT Signal Transduction System. Journal of Biological Chemistry, 2016, 291, 8575-8590.	3.4	24
60	Selective Utilization of Fructose to Glucose by Candida magnoliae, an Erythritol Producer. Applied Biochemistry and Biotechnology, 2006, 131, 870-879.	2.9	23
61	Functional and Structural Characterization of Thermostable d -Amino Acid Aminotransferases from Geobacillus spp. Applied and Environmental Microbiology, 2006, 72, 1588-1594.	3.1	23
62	Enhanced production of xylitol from xylose by expression of Bacillus subtilis arabinose:H + symporter and Scheffersomyces stipitis xylose reductase in recombinant Saccharomyces cerevisiae. Enzyme and Microbial Technology, 2017, 107, 7-14.	3.2	23
63	Multiple-layer substrate zymography for detection of several enzymes in a single sodium dodecyl sulfate gel. Analytical Biochemistry, 2009, 386, 121-122.	2.4	22
64	Efficient Adhesion-Based Plasma Membrane Isolation for Cell Surface N-Glycan Analysis. Analytical Chemistry, 2013, 85, 7462-7470.	6.5	22
65	Optimizing promoters and secretory signal sequences for producing ethanol from inulin by recombinant Saccharomyces cerevisiae carrying Kluyveromyces marxianus inulinase. Bioprocess and Biosystems Engineering, 2015, 38, 263-272.	3.4	22
66	Tunable Control of an Escherichia coli Expression System for the Overproduction of Membrane Proteins by Titrated Expression of a Mutant lac Repressor. ACS Synthetic Biology, 2017, 6, 1766-1773.	3.8	22
67	Machine learning linked evolutionary biosensor array for highly sensitive and specific molecular identification. Biosensors and Bioelectronics, 2020, 170, 112670.	10.1	21
68	Purification and characterization of thermostableD-hydantoinase from thermophilicbacillus stearothermophilus SD-1. Applied Biochemistry and Biotechnology, 1997, 62, 251-266.	2.9	20
69	Application of a thermostable glutamate racemase from Bacillus sp. SK-1 for the production of d-phenylalanine in a multi-enzyme system. Journal of Molecular Catalysis B: Enzymatic, 2002, 17, 223-233.	1.8	20
70	Isolation of thermostable D-hydantoinase-producing thermophilicBacillus sp SD-1. Biotechnology Letters, 1994, 16, 461-466.	2.2	19
71	Removal and bioconversion of phenol in wastewater by a thermostable Î²-tyrosinase. Enzyme and Microbial Technology, 1996, 19, 374-377.	3.2	19
72	A novel microbial interaction: obligate commensalism between a new gram-negative thermophile and a thermophilic Bacillus strain. Extremophiles, 2000, 4, 131-136.	2.3	18

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73	Complete Genome Sequence of the Probiotic Bacterium Bifidobacterium bifidum Strain BGN4. Journal of Bacteriology, 2012, 194, 4757-4758.	2.2	18
74	A human pathogenic bacterium Shigella proliferates in plants through adoption of type III effectors for shigellosis. Plant, Cell and Environment, 2019, 42, 2962-2978.	5.7	18
75	Ty1â€fused proteinâ€body formation for spatial organization of metabolic pathways in Saccharomyces cerevisiae. Biotechnology and Bioengineering, 2018, 115, 694-704.	3.3	17
76	Syntrophic co-culture of a methanotroph and heterotroph for the efficient conversion of methane to mevalonate. Metabolic Engineering, 2021, 67, 285-292.	7.0	17
77	Thermostable Tyrosine Phenol-Lyase ofSymbiobacteriumsp. SC-1: Gene Cloning, Sequence Determination, and Overproduction inEscherichia coli. Protein Expression and Purification, 1997, 11, 263-270.	1.3	16
78	Development of a novel cellulase biosensor that detects crystalline cellulose hydrolysis using a transcriptional regulator. Biochemical and Biophysical Research Communications, 2018, 495, 1328-1334.	2.1	16
79	Tabrizicola fusiformis sp. nov., isolated from an industrial wastewater treatment plant. International Journal of Systematic and Evolutionary Microbiology, 2018, 68, 1800-1805.	1.7	16
80	Simultaneous Biocatalyst Production and Baeyer-Villiger Oxidation for Bioconversion of Cyclohexanone by Recombinant <I>Escherichia coli</I> Expressing Cyclohexanone Monooxygenase. Applied Biochemistry and Biotechnology, 2005, 123, 0827-0836.	2.9	15
81	Mixedâ€substrate (glycerol tributyrate and fibrin) zymography for simultaneous detection of lipolytic and proteolytic enzymes on a single gel. Electrophoresis, 2009, 30, 2234-2237.	2.4	15
82	Development of fluorescent probes for the detection of fucosylated N-glycans using an Aspergillus oryzae lectin. Applied Microbiology and Biotechnology, 2012, 93, 251-260.	3.6	15
83	Structural Analysis of the Phenol-Responsive Sensory Domain of the Transcription Activator PoxR. Structure, 2016, 24, 624-630.	3.3	15
84	Biosensor-Based Directed Evolution of Methanol Dehydrogenase from Lysinibacillus xylanilyticus. International Journal of Molecular Sciences, 2021, 22, 1471.	4.1	15
85	Thermomonas aquatica sp. nov., isolated from an industrial wastewater treatment plant. International Journal of Systematic and Evolutionary Microbiology, 2019, 69, 3399-3404.	1.7	15
86	Inactivation of tyrosine phenol-lyase by Pictet-Spengler reaction and alleviation by T15A mutation on intertwined N-terminal arm. FEBS Journal, 2006, 273, 5564-5573.	4.7	14
87	Development of a nanoparticle-based FRET sensor for ultrasensitive detection of phytoestrogen compounds. Analyst, The, 2010, 135, 2879.	3.5	14
88	C1 Compound Biosensors: Design, Functional Study, and Applications. International Journal of Molecular Sciences, 2019, 20, 2253.	4.1	14
89	Characterization of Polycationic Amino Acids Fusion Systems for Ion-Exchange Purification of Cyclodextrin Glycosyltransferase from Recombinant Escherichia coli. Biotechnology Progress, 2002, 18, 303-308.	2.6	13
90	Production of cyclodextrin by poly-lysine fused Bacillus macerans cyclodextrin glycosyltransferase immobilized on cation exchanger. Journal of Molecular Catalysis B: Enzymatic, 2005, 34, 39-43.	1.8	13

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91	Smallâ€Moleculeâ€Based Nanoassemblies as Inducible Nanoprobes for Monitoring Dynamic Molecular Interactions Inside Live Cells. Angewandte Chemie - International Edition, 2011, 50, 8709-8713.	13.8	13
92	A Cellâ€“Cell Communication-Based Screening System for Novel Microbes with Target Enzyme Activities. ACS Synthetic Biology, 2016, 5, 1231-1238.	3.8	13
93	Alkaline phosphatase-fused repebody as a new format of immuno-reagent for an immunoassay. Analytica Chimica Acta, 2017, 950, 184-191.	5.4	13
94	Enhanced (â^')-Î±-Bisabolol Productivity by Efficient Conversion of Mevalonate in Escherichia coli. Catalysts, 2019, 9, 432.	3.5	13
95	Discovery and Biochemical Characterization of a Methanol Dehydrogenase From Lysinibacillus xylanilyticus. Frontiers in Bioengineering and Biotechnology, 2020, 8, 67.	4.1	13
96	Engineering Bacteroides thetaiotaomicron to produce non-native butyrate based on a genome-scale metabolic model-guided design. Metabolic Engineering, 2021, 68, 174-186.	7.0	13
97	Cloning of srfA operon from Bacillus subtilis C9 and its expression in E. coli. Applied Microbiology and Biotechnology, 2007, 75, 567-572.	3.6	12
98	Cloning and characterization ofCmGPD1, theCandida magnoliaehomologue of glycerol-3-phosphate dehydrogenase. FEMS Yeast Research, 2008, 8, 1324-1333.	2.3	12
99	Controlled Localization of Functionally Active Proteins to Inclusion Bodies Using Leucine Zippers. PLoS ONE, 2014, 9, e97093.	2.5	12
100	Pseudomonas kribbensis sp. nov., isolated from garden soils in Daejeon, Korea. Antonie Van Leeuwenhoek, 2016, 109, 1433-1446.	1.7	12
101	Tetrameric architecture of an active phenol-bound form of the AAA+ transcriptional regulator DmpR. Nature Communications, 2020, 11, 2728.	12.8	12
102	Adaptive laboratory evolution of Escherichia coli W enhances gamma-aminobutyric acid production using glycerol as the carbon source. Metabolic Engineering, 2022, 69, 59-72.	7.0	12
103	Molecular cloning and characterization of two novel fructose-specific transporters from the osmotolerant and fructophilic yeast Candida magnoliae JH110. Applied Microbiology and Biotechnology, 2014, 98, 3569-3578.	3.6	11
104	TRAILâ€Induced Caspase Activation Is a Prerequisite for Activation of the Endoplasmic Reticulum Stressâ€Induced Signal Transduction Pathways. Journal of Cellular Biochemistry, 2016, 117, 1078-1091.	2.6	11
105	Sensitive and Rapid Phenotyping of Microbes With Soluble Methane Monooxygenase Using a Droplet-Based Assay. Frontiers in Bioengineering and Biotechnology, 2020, 8, 358.	4.1	11
106	Cloning and Overexpression of Thermostable D-Hydantoinase from Thermophile in E. coli and Its Application to the Synthesis of Optically Active D-Amino Acids. Annals of the New York Academy of Sciences, 1996, 799, 401-405.	3.8	10
107	Construction of a Vitreoscilla Hemoglobin Promoter-Based Tunable Expression System for Corynebacterium glutamicum. Catalysts, 2018, 8, 561.	3.5	10
108	(â^')-Î±-Bisabolol Production in Engineered Escherichia coli Expressing a Novel (â^')-Î±-Bisabolol Synthase from the Globe Artichoke Cynara cardunculus var. Scolymus. Journal of Agricultural and Food Chemistry, 2021, 69, 8492-8503.	5.2	10

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109	Flow injection analysis of glucose, fructose, and sucrose using a biosensor constructed with permeabilized Zymomonas mobilis and invertase. Biotechnology Progress, 1995, 11, 58-63.	2.6	9
110	Folding machineries displayed on a cation-exchanger for the concerted refolding of cysteine- or proline-rich proteins. BMC Biotechnology, 2009, 9, 27.	3.3	9
111	Lightâ€Regulated Tetracycline Binding to the Tet Repressor. Chemistry - A European Journal, 2014, 20, 2508-2514.	3.3	9
112	Production of d -ribose by metabolically engineered Escherichia coli. Process Biochemistry, 2017, 52, 73-77.	3.7	9
113	Molecular and biochemical characterization of a novel isoprene synthase from Metrosideros polymorpha. BMC Plant Biology, 2018, 18, 118.	3.6	9
114	Acclimation of bacterial cell state for high-throughput enzyme engineering using a DmpR-dependent transcriptional activation system. Scientific Reports, 2020, 10, 6091.	3.3	9
115	Improved metagenome screening efficiency by random insertion of T7 promoters. Journal of Biotechnology, 2016, 230, 47-53.	3.8	8
116	Controlled Aggregation and Increased Stability of Î²-Glucuronidase by Cellulose Binding Domain Fusion. PLoS ONE, 2017, 12, e0170398.	2.5	8
117	Evaluation of Feasibility of Using the Bacteriophage T4 Lysozyme to Improve the Hydrolysis and Biochemical Methane Potential of Secondary Sludge. Energies, 2019, 12, 3644.	3.1	8
118	Enhanced Bacterial Î±(2,6)-Sialyltransferase Reaction through an Inhibition of Its Inherent Sialidase Activity by Dephosphorylation of Cytidine-5'-Monophosphate. PLoS ONE, 2015, 10, e0133739.	2.5	8
119	Purification and Characterization of Thermostable D-Hydantoinase from Bacillus thermocatenulatus GH-2. Applied Biochemistry and Biotechnology, 1999, 81, 53-66.	2.9	7
120	Application of poly-arginine fused minichaperone to renaturation of cyclodextrin glycosyltransferase expressed in recombinant Escherichia coli. Enzyme and Microbial Technology, 2006, 39, 459-465.	3.2	7
121	Toward Complete Bacterial Genome Sequencing Through the Combined Use of Multiple Next-Generation Sequencing Platforms. Journal of Microbiology and Biotechnology, 2016, 26, 207-212.	2.1	7
122	Title is missing!. Biotechnology Letters, 1997, 11, 511-513.	0.5	6
123	On the structural and functional modularity of glycinamide ribonucleotide formyltransferases. Protein Science, 2009, 12, 2206-2214.	7.6	6
124	A novel fluorescent reporter system for monitoring and identifying RNase III activity and its target RNAs. RNA Biology, 2012, 9, 1167-1176.	3.1	6
125	Quantitative analyses of individual sugars in mixture using FRETâ€based biosensors. Biotechnology Progress, 2012, 28, 1376-1383.	2.6	6
126	A critical element of the lightâ€induced quaternary structural changes in <scp>Y</scp>tv<scp>A</scp>â€<scp>LOV</scp>. Protein Science, 2015, 24, 1997-2007.	7.6	6

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127	Algorithm for Predicting Functionally Equivalent Proteins from BLAST and HMMER Searches. Journal of Microbiology and Biotechnology, 2012, 22, 1054-1058.	2.1	6
128	Proteome analysis of recombinant Escherichia coli producing human glucagon-like peptide-1. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 849, 323-330.	2.3	5
129	Enzyme-linked assay of cellulose-binding domain functions from Cellulomonas fimi on multi-well microtiter plate. Biotechnology and Bioprocess Engineering, 2013, 18, 575-580.	2.6	5
130	A molecular nanodevice for targeted degradation of mRNA during protein synthesis. Scientific Reports, 2016, 6, 20733.	3.3	5
131	Effect of PelB signal sequences on Pfe1 expression and Ï‰-hydroxyundec-9-enoic acid biotransformation in recombinant Escherichia coli. Applied Microbiology and Biotechnology, 2018, 102, 7407-7416.	3.6	5
132	Generating In Vivo Cloning Vectors for Parallel Cloning of Large Gene Clusters by Homologous Recombination. PLoS ONE, 2013, 8, e79979.	2.5	5
133	Biochemical Properties of Thermostable d-Hydantoinase from Bacillus thermocatenulatus GH-2. Annals of the New York Academy of Sciences, 1998, 864, 337-340.	3.8	4
134	Ratiometric analyses at critical temperatures can magnify the signal intensity of FRET-based sugar sensors with periplasmic binding proteins. Biosensors and Bioelectronics, 2015, 72, 37-43.	10.1	4
135	A portable FRET analyzer for rapid detection of sugar content. Analyst, The, 2015, 140, 3384-3389.	3.5	4
136	Multi-enzyme Screening Using a High-throughput Genetic Enzyme Screening System. Journal of Visualized Experiments, 2016, , .	0.3	4
137	Complete Genome Sequence of the Soil Bacterium Pseudomonas kribbensis Strain 46-2 ^T. Microbiology Resource Announcements, 2018, 7, .	0.6	4
138	Long-Term Stable and Tightly Controlled Expression of Recombinant Proteins in Antibiotics-Free Conditions. PLoS ONE, 2016, 11, e0166890.	2.5	4
139	Single-Cell-Based Screening and Engineering of <scp>d</scp>-Amino Acid Amidohydrolases Using Artificial Amidophenol Substrates and Microbial Biosensors. Journal of Agricultural and Food Chemistry, 2022, 70, 1203-1211.	5.2	4
140	Thermostable glutamate dehydrogenase from a commensal thermophile, Symbiobacterium toebii; overproduction, characterization, and application. Journal of Molecular Catalysis B: Enzymatic, 2003, 26, 231-240.	1.8	3
141	Inducible Biosynthetic Nanoscaffolds as Recruitment Platforms for Detecting Molecular Target Interactions inside Living Cells. Journal of the American Chemical Society, 2012, 134, 11346-11349.	13.7	3
142	Development of Bacillus methanolicus methanol dehydrogenase with improved formaldehyde reduction activity. Scientific Reports, 2018, 8, 12483.	3.3	3
143	Structural and functional analyses of the cellulase transcription regulator CelR. FEBS Letters, 2018, 592, 2776-2785.	2.8	3
144	Genetically Encoded Biosensor-Based Screening for Directed Bacteriophage T4 Lysozyme Evolution. International Journal of Molecular Sciences, 2020, 21, 8668.	4.1	3

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145	Proteomic analysis of fructophilic properties of osmotolerant Candida magnoliae. Journal of Microbiology and Biotechnology, 2008, 18, 248-54.	2.1	3
146	Synthetic 3â€²-UTR valves for optimal metabolic flux control in Escherichia coli. Nucleic Acids Research, 2022, 50, 4171-4186.	14.5	3
147	Simple and rapid screening method for microbial D-stereospecific peptidase and esterase. Biotechnology Letters, 1999, 13, 653-655.	0.5	2
148	Complete Genome Sequence of Methylomonas koyamae LM6, a Potential Aerobic Methanotroph. Microbiology Resource Announcements, 2020, 9, .	0.6	2
149	Antagonistic Control of Genetic Circuit Performance for Rapid Analysis of Targeted Enzyme Activity in Living Cells. Frontiers in Molecular Biosciences, 2020, 7, 599878.	3.5	2
150	Selective utilization of fructose to glucose by Candida magnoliae, an erythritol producer. Applied Biochemistry and Biotechnology, 1996, 131, 870-879.	2.9	2
151	Cloning and Characterization of a Glyoxalase I Gene from the Osmotolerant Yeast Candida magnoliae. Journal of Microbiology and Biotechnology, 2011, 21, 277-283.	2.1	2
152	Genetic Enzyme Screening System: A Method for High-Throughput Functional Screening of Novel Enzymes from Metagenomic Libraries. Springer Protocols, 2015, , 3-12.	0.3	1
153	Selective Utilization of Fructose to Glucose by Candida magnoliae, an Erythritol Producer. , 2006, , 870-879.		1
154	Simultaneous Biocatalyst Production and Baeyer-Villiger Oxidation for Bioconversion of Cyclohexanone by Recombinant Escherichia coli Expressing Cyclohexanone Monooxygenase. , 2005, , 827-836.		0
155	Identification of a serine protease from a Bacillus sp. using multiple loading of Oâ€™Farrell-type isoelectric focusing slab two-dimensional gel. Biotechnology Letters, 2009, 31, 975-978.	2.2	0