Duhee Bang

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1809249/publications.pdf

Version: 2024-02-01

60 papers	4,233 citations	218592 26 h-index	118793 62 g-index
67 all docs	67 docs citations	67 times ranked	5831 citing authors

#	Article	IF	Citations
1	Dynamic changes in longitudinal circulating tumour DNA profile during metastatic colorectal cancer treatment. British Journal of Cancer, 2022, 127, 898-907.	2.9	13
2	Accurate Detection of Rare Mutant Alleles by Target Base-Specific Cleavage with the CRISPR/Cas9 System. ACS Synthetic Biology, 2021, 10, 1451-1464.	1.9	2
3	Introduction to Single-Cell DNA Methylation Profiling Methods. Biomolecules, 2021, 11, 1013.	1.8	35
4	Novel somatic variants involved in biochemical activity of pure growth hormone-secreting pituitary adenoma without GNAS variant. Scientific Reports, 2021, 11, 16530.	1.6	4
5	Engineered Attenuated Salmonella typhimurium Expressing Neoantigen Has Anticancer Effects. ACS Synthetic Biology, 2021, 10, 2478-2487.	1.9	13
6	Liquid biopsy-based tumor profiling for metastatic colorectal cancer patients with ultra-deep targeted sequencing. PLoS ONE, 2020, 15, e0232754.	1.1	19
7	MAPS-seq: magnetic bead-assisted parallel single-cell gene expression profiling. Experimental and Molecular Medicine, 2020, 52, 804-814.	3.2	5
8	Multiplex Generation, Tracking, and Functional Screening of Substitution Mutants Using a CRISPR/Retron System. ACS Synthetic Biology, 2020, 9, 1003-1009.	1.9	17
9	Promiscuous Trans-splicing Activities Revealed by Next Generation Sequencing-based Analysis of 298 Split Inteins. Biotechnology and Bioprocess Engineering, 2020, 25, 293-301.	1.4	0
10	Single-cell analysis of a mutant library generated using CRISPR-guided deaminase in human melanoma cells. Communications Biology, 2020, 3, 154.	2.0	25
11	Tumor Mutation Burden and Prognosis in Patients with Colorectal Cancer Treated with Adjuvant Fluoropyrimidine and Oxaliplatin. Clinical Cancer Research, 2019, 25, 6141-6147.	3.2	98
12	Association of pathway mutation with survival after recurrence in colorectal cancer patients treated with adjuvant fluoropyrimidine and oxaliplatin chemotherapy. BMC Cancer, 2019, 19, 421.	1.1	2
13	Multiplexed single-cell RNA-seq via transient barcoding for simultaneous expression profiling of various drug perturbations. Science Advances, 2019, 5, eaav2249.	4.7	81
14	Lineage tracing using a Cas9-deaminase barcoding system targeting endogenous L1 elements. Nature Communications, 2019, 10, 1234.	5.8	36
15	Facilitated Large-Scale Sequence Validation Platform Using Tn5-Tagmented Cell Lysates. ACS Synthetic Biology, 2019, 8, 596-600.	1.9	7
16	Applying a Linear Amplification Strategy to Recombinase Polymerase Amplification for Uniform DNA Library Amplification. ACS Omega, 2019, 4, 19953-19958.	1.6	5
17	CRISPR-Cap: multiplexed double-stranded DNA enrichment based on the CRISPR system. Nucleic Acids Research, 2019, 47, e1-e1.	6.5	24
18	NFATC3â€“PLA2G15 Fusion Transcript Identified by RNA Sequencing Promotes Tumor Invasion and Proliferation in Colorectal Cancer Cell Lines. Cancer Research and Treatment, 2019, 51, 391-401.	1.3	13

#	Article	IF	Citations
19	Highly selective retrieval of accurate DNA utilizing a pool of in situ-replicated DNA from multiple next-generation sequencing platforms. Nucleic Acids Research, 2018, 46, e40-e40.	6.5	6
20	High-throughput construction of multiple cas9 gene variants via assembly of high-depth tiled and sequence-verified oligonucleotides. Nucleic Acids Research, 2018, 46, e55-e55.	6.5	4
21	Selective targeting of KRAS oncogenic alleles by CRISPR/Cas9 inhibits proliferation of cancer cells. Scientific Reports, 2018, 8, 11879.	1.6	30
22	Single-cell RNA sequencing technologies and bioinformatics pipelines. Experimental and Molecular Medicine, 2018, 50, 1-14.	3.2	1,087
23	Straightforward Delivery of Linearized Double-Stranded DNA Encoding sgRNA and Donor DNA for the Generation of Single Nucleotide Variants Based on the CRISPR/Cas9 System. ACS Synthetic Biology, 2018, 7, 1651-1659.	1.9	1
24	Asymmetrical barcode adapter-assisted recovery of duplicate reads and error correction strategy to detect rare mutations in circulating tumor DNA. Scientific Reports, 2017, 7, 46678.	1.6	6
25	Association between mutations of critical pathway genes and survival outcomes according to the tumor location in colorectal cancer. Cancer, 2017, 123, 3513-3523.	2.0	50
26	The high frequency of the U2AF1 S34Y mutation and its association with isolated trisomy 8 in myelodysplastic syndrome in Asians, but not in Caucasians. Leukemia Research, 2017, 61, 96-103.	0.4	16
27	Clinical and Pathological Heterogeneity of Korean Patients with CAPN3 Mutations. Yonsei Medical Journal, 2016, 57, 173.	0.9	7
28	Genomic Profile of Chronic Lymphocytic Leukemia in Korea Identified by Targeted Sequencing. PLoS ONE, 2016, 11, e0167641.	1.1	27
29	Biophysical and chemical handles to control the size of DNA nanoparticles produced by rolling circle amplification. Biomaterials Science, 2016, 4, 1314-1317.	2.6	23
30	Toward a new paradigm of DNA writing using a massively parallel sequencing platform and degenerate oligonucleotide. Scientific Reports, 2016, 6, 37176.	1.6	6
31	Self-assembled mirror DNA nanostructures for tumor-specific delivery of anticancer drugs. Journal of Controlled Release, 2016, 243, 121-131.	4.8	102
32	Target sequencing and CRISPR/Cas editing reveal simultaneous loss of UTX and UTY in urothelial bladder cancer. Oncotarget, 2016, 7, 63252-63260.	0.8	27
33	FOXC2 and CLIP4 : a potential biomarker for synchronous metastasis of â‰7-cm clear cell renal cell carcinomas. Oncotarget, 2016, 7, 51423-51434.	0.8	26
34	Genetic Testing of Korean Familial Hypercholesterolemia Using Whole-Exome Sequencing. PLoS ONE, 2015, 10, e0126706.	1.1	24
35	Targeted next-generation sequencing for the genetic diagnosis of dysferlinopathy. Neuromuscular Disorders, 2015, 25, 502-510.	0.3	19
36	Repetitive genomic insertion of gene-sized dsDNAs by targeting the promoter region of a counter-selectable marker. Scientific Reports, 2015, 5, 8712.	1.6	1

#	Article	IF	Citations
37	Tumor evolution and intratumor heterogeneity of an epithelial ovarian cancer investigated using next-generation sequencing. BMC Cancer, 2015, 15, 85.	1.1	85
38	A high-throughput optomechanical retrieval method for sequence-verified clonal DNA from the NGS platform. Nature Communications, 2015, 6, 6073.	5.8	29
39	De novo assembly and next-generation sequencing to analyse full-length gene variants from codon-barcoded libraries. Nature Communications, 2015, 6, 8351.	5.8	10
40	microDuMIP: target-enrichment technique for microarray-based duplex molecular inversion probes. Nucleic Acids Research, 2015, 43, e28-e28.	6.5	11
41	Identification of somatic mutations in EGFR/KRAS/ALK-negative lung adenocarcinoma in never-smokers. Genome Medicine, 2014, 6, 18.	3.6	37
42	Genome-scale genetic engineering in Escherichia coli. Biotechnology Advances, 2013, 31, 804-810.	6.0	36
43	â€˜Shotgun DNA synthesisâ€™ for the high-throughput construction of large DNA molecules. Nucleic Acids Research, 2012, 40, e140-e140.	6.5	37
44	Genome-scale promoter engineering by coselection MAGE. Nature Methods, 2012, 9, 591-593.	9.0	207
45	Use of Model Peptide Reactions for the Characterization of Kinetically Controlled Ligation. Bioconjugate Chemistry, 2011, 22, 1645-1649.	1.8	33
46	Precise Manipulation of Chromosomes in Vivo Enables Genome-Wide Codon Replacement. Science, 2011, 333, 348-353.	6.0	512
47	Multiple target loci assembly sequencing (mTAS). Analytical Biochemistry, 2011, 415, 218-220.	1.1	0
48	Hierarchical gene synthesis using DNA microchip oligonucleotides. Journal of Biotechnology, 2011, 151, 319-324.	1.9	9
49	A Fluorescence Selection Method for Accurate Largeâ€Gene Synthesis. ChemBioChem, 2010, 11, 2448-2452.	1.3	11
50	Challenges in the chemical synthesis of average sized proteins: Sequential vs. convergent ligation of multiple peptide fragments. Biopolymers, 2010, 94, 441-447.	1.2	24
51	Role of a salt bridge in the model protein crambin explored by chemical protein synthesis: X-ray structure of a unique protein analogue, [V15A]crambin-Î±-carboxamide. Molecular BioSystems, 2009, 5, 750.	2.9	13
52	Gene synthesis by circular assembly amplification. Nature Methods, 2008, 5, 37-39.	9.0	75
53	Direct On-Resin Synthesis of Peptide-Î±Thiophenylesters for Use in Native Chemical Ligation. Organic Letters, 2006, 8, 1049-1052.	2.4	53
54	Dissecting the energetics of protein Î±-helix C-cap termination through chemical protein synthesis. Nature Chemical Biology, 2006, 2, 139-143.	3.9	63

#	Article	IF	Citations
55	Kinetically Controlled Ligation for the Convergent Chemical Synthesis of Proteins. Angewandte Chemie - International Edition, 2006, 45, 3985-3988.	7.2	268
56	Cover Picture: Kinetically Controlled Ligation for the Convergent Chemical Synthesis of Proteins (Angew. Chem. Int. Ed. 24/2006). Angewandte Chemie - International Edition, 2006, 45, 3887-3887.	7.2	0
57	Total Chemical Synthesis and X-ray Crystal Structure of a Protein Diastereomer: [D-Gln 35]Ubiquitin. Angewandte Chemie - International Edition, 2005, 44, 3852-3856.	7.2	109
58	His6 tag-assisted chemical protein synthesis. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 5014-5019.	3.3	58
59	A One-Pot Total Synthesis of Crambin. Angewandte Chemie - International Edition, 2004, 43, 2534-2538.	7.2	336
60	Total Chemical Synthesis of Crambin. Journal of the American Chemical Society, 2004, 126, 1377-1383.	6.6	97