

# 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	Single-cell RNA sequencing technologies and bioinformatics pipelines. <i>Experimental and Molecular Medicine</i> , 2018, 50, 1-14.	3.2	1,087
2	Precise Manipulation of Chromosomes in Vivo Enables Genome-Wide Codon Replacement. <i>Science</i> , 2011, 333, 348-353.	6.0	512
3	A One-Pot Total Synthesis of Crambin. <i>Angewandte Chemie - International Edition</i> , 2004, 43, 2534-2538.	7.2	336
4	Kinetically Controlled Ligation for the Convergent Chemical Synthesis of Proteins. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3985-3988.	7.2	268
5	Genome-scale promoter engineering by coselection MAGE. <i>Nature Methods</i> , 2012, 9, 591-593.	9.0	207
6	Total Chemical Synthesis and X-ray Crystal Structure of a Protein Diastereomer: [D-Gln 35]Ubiquitin. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 3852-3856.	7.2	109
7	Self-assembled mirror DNA nanostructures for tumor-specific delivery of anticancer drugs. <i>Journal of Controlled Release</i> , 2016, 243, 121-131.	4.8	102
8	Tumor Mutation Burden and Prognosis in Patients with Colorectal Cancer Treated with Adjuvant Fluoropyrimidine and Oxaliplatin. <i>Clinical Cancer Research</i> , 2019, 25, 6141-6147.	3.2	98
9	Total Chemical Synthesis of Crambin. <i>Journal of the American Chemical Society</i> , 2004, 126, 1377-1383.	6.6	97
10	Tumor evolution and intratumor heterogeneity of an epithelial ovarian cancer investigated using next-generation sequencing. <i>BMC Cancer</i> , 2015, 15, 85.	1.1	85
11	Multiplexed single-cell RNA-seq via transient barcoding for simultaneous expression profiling of various drug perturbations. <i>Science Advances</i> , 2019, 5, eaav2249.	4.7	81
12	Gene synthesis by circular assembly amplification. <i>Nature Methods</i> , 2008, 5, 37-39.	9.0	75
13	Dissecting the energetics of protein $\pm$ -helix C-cap termination through chemical protein synthesis. <i>Nature Chemical Biology</i> , 2006, 2, 139-143.	3.9	63
14	His6 tag-assisted chemical protein synthesis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005, 102, 5014-5019.	3.3	58
15	Direct On-Resin Synthesis of Peptide- $\pm$ Thiophenylesters for Use in Native Chemical Ligation. <i>Organic Letters</i> , 2006, 8, 1049-1052.	2.4	53
16	Association between mutations of critical pathway genes and survival outcomes according to the tumor location in colorectal cancer. <i>Cancer</i> , 2017, 123, 3513-3523.	2.0	50
17	Shotgun DNA synthesis™ for the high-throughput construction of large DNA molecules. <i>Nucleic Acids Research</i> , 2012, 40, e140-e140.	6.5	37
18	Identification of somatic mutations in EGFR/KRAS/ALK-negative lung adenocarcinoma in never-smokers. <i>Genome Medicine</i> , 2014, 6, 18.	3.6	37

#	ARTICLE	IF	CITATIONS
19	Genome-scale genetic engineering in <i>Escherichia coli</i> . <i>Biotechnology Advances</i> , 2013, 31, 804-810.	6.0	36
20	Lineage tracing using a Cas9-deaminase barcoding system targeting endogenous L1 elements. <i>Nature Communications</i> , 2019, 10, 1234.	5.8	36
21	Introduction to Single-Cell DNA Methylation Profiling Methods. <i>Biomolecules</i> , 2021, 11, 1013.	1.8	35
22	Use of Model Peptide Reactions for the Characterization of Kinetically Controlled Ligation. <i>Bioconjugate Chemistry</i> , 2011, 22, 1645-1649.	1.8	33
23	Selective targeting of KRAS oncogenic alleles by CRISPR/Cas9 inhibits proliferation of cancer cells. <i>Scientific Reports</i> , 2018, 8, 11879.	1.6	30
24	A high-throughput optomechanical retrieval method for sequence-verified clonal DNA from the NGS platform. <i>Nature Communications</i> , 2015, 6, 6073.	5.8	29
25	Genomic Profile of Chronic Lymphocytic Leukemia in Korea Identified by Targeted Sequencing. <i>PLoS ONE</i> , 2016, 11, e0167641.	1.1	27
26	Target sequencing and CRISPR/Cas editing reveal simultaneous loss of <i>UTX</i> and <i>UTY</i> in urothelial bladder cancer. <i>Oncotarget</i> , 2016, 7, 63252-63260.	0.8	27
27	<i>FOXC2</i> and <i>CLIP4</i> : a potential biomarker for synchronous metastasis of 7-cm clear cell renal cell carcinomas. <i>Oncotarget</i> , 2016, 7, 51423-51434.	0.8	26
28	Single-cell analysis of a mutant library generated using CRISPR-guided deaminase in human melanoma cells. <i>Communications Biology</i> , 2020, 3, 154.	2.0	25
29	Challenges in the chemical synthesis of average sized proteins: Sequential vs. convergent ligation of multiple peptide fragments. <i>Biopolymers</i> , 2010, 94, 441-447.	1.2	24
30	Genetic Testing of Korean Familial Hypercholesterolemia Using Whole-Exome Sequencing. <i>PLoS ONE</i> , 2015, 10, e0126706.	1.1	24
31	CRISPR-Cap: multiplexed double-stranded DNA enrichment based on the CRISPR system. <i>Nucleic Acids Research</i> , 2019, 47, e1-e1.	6.5	24
32	Biophysical and chemical handles to control the size of DNA nanoparticles produced by rolling circle amplification. <i>Biomaterials Science</i> , 2016, 4, 1314-1317.	2.6	23
33	Targeted next-generation sequencing for the genetic diagnosis of dysferlinopathy. <i>Neuromuscular Disorders</i> , 2015, 25, 502-510.	0.3	19
34	Liquid biopsy-based tumor profiling for metastatic colorectal cancer patients with ultra-deep targeted sequencing. <i>PLoS ONE</i> , 2020, 15, e0232754.	1.1	19
35	Multiplex Generation, Tracking, and Functional Screening of Substitution Mutants Using a CRISPR/Retron System. <i>ACS Synthetic Biology</i> , 2020, 9, 1003-1009.	1.9	17
36	The high frequency of the U2AF1 S34Y mutation and its association with isolated trisomy 8 in myelodysplastic syndrome in Asians, but not in Caucasians. <i>Leukemia Research</i> , 2017, 61, 96-103.	0.4	16

#	ARTICLE	IF	CITATIONS
37	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-1±-carboxamide. <i>Molecular BioSystems</i> , 2009, 5, 750.	2.9	13
38	Engineered Attenuated <i>Salmonella typhimurium</i> Expressing Neoantigen Has Anticancer Effects. <i>ACS Synthetic Biology</i> , 2021, 10, 2478-2487.	1.9	13
39	NFATC3-PLA2G15 Fusion Transcript Identified by RNA Sequencing Promotes Tumor Invasion and Proliferation in Colorectal Cancer Cell Lines. <i>Cancer Research and Treatment</i> , 2019, 51, 391-401.	1.3	13
40	Dynamic changes in longitudinal circulating tumour DNA profile during metastatic colorectal cancer treatment. <i>British Journal of Cancer</i> , 2022, 127, 898-907.	2.9	13
41	A Fluorescence Selection Method for Accurate Large Gene Synthesis. <i>ChemBioChem</i> , 2010, 11, 2448-2452.	1.3	11
42	microDuMIP: target-enrichment technique for microarray-based duplex molecular inversion probes. <i>Nucleic Acids Research</i> , 2015, 43, e28-e28.	6.5	11
43	De novo assembly and next-generation sequencing to analyse full-length gene variants from codon-barcoded libraries. <i>Nature Communications</i> , 2015, 6, 8351.	5.8	10
44	Hierarchical gene synthesis using DNA microchip oligonucleotides. <i>Journal of Biotechnology</i> , 2011, 151, 319-324.	1.9	9
45	Clinical and Pathological Heterogeneity of Korean Patients with <i>CAPN3</i> Mutations. <i>Yonsei Medical Journal</i> , 2016, 57, 173.	0.9	7
46	Facilitated Large-Scale Sequence Validation Platform Using Tn5-Tagmented Cell Lysates. <i>ACS Synthetic Biology</i> , 2019, 8, 596-600.	1.9	7
47	Toward a new paradigm of DNA writing using a massively parallel sequencing platform and degenerate oligonucleotide. <i>Scientific Reports</i> , 2016, 6, 37176.	1.6	6
48	Asymmetrical barcode adapter-assisted recovery of duplicate reads and error correction strategy to detect rare mutations in circulating tumor DNA. <i>Scientific Reports</i> , 2017, 7, 46678.	1.6	6
49	Highly selective retrieval of accurate DNA utilizing a pool of <i>in situ</i> -replicated DNA from multiple next-generation sequencing platforms. <i>Nucleic Acids Research</i> , 2018, 46, e40-e40.	6.5	6
50	Applying a Linear Amplification Strategy to Recombinase Polymerase Amplification for Uniform DNA Library Amplification. <i>ACS Omega</i> , 2019, 4, 19953-19958.	1.6	5
51	MAPS-seq: magnetic bead-assisted parallel single-cell gene expression profiling. <i>Experimental and Molecular Medicine</i> , 2020, 52, 804-814.	3.2	5
52	High-throughput construction of multiple cas9 gene variants via assembly of high-depth tiled and sequence-verified oligonucleotides. <i>Nucleic Acids Research</i> , 2018, 46, e55-e55.	6.5	4
53	Novel somatic variants involved in biochemical activity of pure growth hormone-secreting pituitary adenoma without GNAS variant. <i>Scientific Reports</i> , 2021, 11, 16530.	1.6	4
54	Association of pathway mutation with survival after recurrence in colorectal cancer patients treated with adjuvant fluoropyrimidine and oxaliplatin chemotherapy. <i>BMC Cancer</i> , 2019, 19, 421.	1.1	2

#	ARTICLE	IF	CITATIONS
55	Accurate Detection of Rare Mutant Alleles by Target Base-Specific Cleavage with the CRISPR/Cas9 System. <i>ACS Synthetic Biology</i> , 2021, 10, 1451-1464.	1.9	2
56	Repetitive genomic insertion of gene-sized dsDNAs by targeting the promoter region of a counter-selectable marker. <i>Scientific Reports</i> , 2015, 5, 8712.	1.6	1
57	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. <i>ACS Synthetic Biology</i> , 2018, 7, 1651-1659.	1.9	1
58	Cover Picture: Kinetically Controlled Ligation for the Convergent Chemical Synthesis of Proteins ( <i>Angew. Chem. Int. Ed.</i> 24/2006). <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3887-3887.	7.2	0
59	Multiple target loci assembly sequencing (mTAS). <i>Analytical Biochemistry</i> , 2011, 415, 218-220.	1.1	0
60	Promiscuous Trans-splicing Activities Revealed by Next Generation Sequencing-based Analysis of 298 Split Inteins. <i>Biotechnology and Bioprocess Engineering</i> , 2020, 25, 293-301.	1.4	0