Resource Summary Report

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fastp

RRID:SCR_016962

Type: Tool

Proper Citation

fastp (RRID:SCR_016962)

Resource Information

URL: https://github.com/OpenGene/fastp

Proper Citation: fastp (RRID:SCR_016962)

Description: Software tool to provide fast all in one preprocessing for FastQ files. Developed in C++ with multithreading supported to afford high performance. Performs quality control, adapter trimming, quality filtering, per read quality pruning and many other operations with a single scan of the FASTQ data.

Resource Type: data analysis software, data processing software, software resource, software application

Defining Citation: PMID:30423086

Keywords: fast, all in one, preprocessing, FastQ, file, data, read, quality, control, adapter, trimming, filtering

 $\textbf{Funding:} \ \textbf{Special Funds for Future Industries of Shenzhen} \ ;$

National Science Foundation of China

Availability: Free, Available for download, Freely available

Resource Name: fastp

Resource ID: SCR_016962

License: MIT License

Record Creation Time: 20220129T080332+0000

Record Last Update: 20250429T055900+0000

Ratings and Alerts

No rating or validation information has been found for fastp.

No alerts have been found for fastp.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 732 mentions in open access literature.

Listed below are recent publications. The full list is available at dkNET.

Wen J, et al. (2025) Complete Mitochondrial Genome of King Threadfin, Polydactylus macrochir (Günther, 1867): Genome Characterization and Phylogenetic Analysis. Genes, 16(1).

Qin Q, et al. (2025) Microbial Composition Change and Heavy Metal Accumulation in Response to Organic Fertilization Reduction in Greenhouse Soil. Microorganisms, 13(1).

Yuan Y, et al. (2025) Dietary Taurine Regulation of the Intestinal Microbiome in Chinese Stripe-Necked Turtle (Mauremys sinensis). International journal of molecular sciences, 26(2).

Yin W, et al. (2025) Inhibited peroxidase activity of peroxiredoxin 1 by palmitic acid exacerbates nonalcoholic steatohepatitis in male mice. Nature communications, 16(1), 598.

Luo X, et al. (2025) Physiological and transcriptomic analysis of the effect of overexpression of the NTPIP2;4 gene on drought tolerance in tobacco. BMC plant biology, 25(1), 63.

Li Y, et al. (2025) Epitranscriptome profiles reveal participation of the RNA methyltransferase gene OsMTA1 in rice seed germination and salt stress response. BMC plant biology, 25(1), 115.

Wang X, et al. (2025) Spatial and Single-Cell Analyses Reveal Heterogeneity of DNAM-1 Receptor-Ligand Interactions That Instructs Intratumoral ??T-cell Activity. Cancer research, 85(2), 277.

Tanaka R, et al. (2025) Improved genome sequence of Geobacillus kaustophilus GBlys, a lysogenic strain by lysogenic phage phiOH2. Microbiology resource announcements, 14(1), e0090624.

Zhang X, et al. (2025) Acid-responsive CST@NPs enhanced diabetic wound healing through rescuing mitochondrial dysfunction. Bioactive materials, 44, 269.

Zhou Z, et al. (2025) The Positive Regulatory Effect of DBT on Lipid Metabolism in Postpartum Dairy Cows. Metabolites, 15(1).

Ofosu Appiah F, et al. (2025) Emergence of Carbapenem-Resistant blaPOM-1 Harboring Pseudomonas otitidis Isolated from River Water in Ghana. Antibiotics (Basel, Switzerland), 14(1).

Shi M, et al. (2025) Multi-omics mechanical analysis of gut microbiota, carboxylic acids, and cardiac gene expression interaction triggering diabetic cardiomyopathy. mSystems, 10(1), e0145024.

Li B, et al. (2025) A practical distribution pattern of ?-SMA-positive carcinoma associated fibroblasts indicates poor prognosis of patients with pancreatic ductal adenocarcinoma. Translational oncology, 52, 102282.

Wei Y, et al. (2025) Effects of oil pollution on the growth and rhizosphere microbial community of Calamagrostis epigejos. Scientific reports, 15(1), 1278.

Zeng J, et al. (2025) Protocol for genetic analysis of population-scale ultra-low-depth sequencing data. STAR protocols, 6(1), 103579.

Zhou H, et al. (2025) Ionizing radiation-induced disruption of Rela-Bclaf1-spliceosome regulatory axis in primary spermatocytes causing spermatogenesis dysfunction. Cell communication and signaling: CCS, 23(1), 58.

Tao S, et al. (2025) Effect of Post-transplant Dietary Restriction on Hematopoietic Reconstitution and Maintenance of Reconstitution Capacity of Hematopoietic Stem Cells. Stem cell reviews and reports, 21(1), 80.

Bao Z, et al. (2025) Microbiome dynamics and functional profiles in deep-sea wood-fall microecosystem: insights into drive pattern of community assembly, biogeochemical processes, and lignocellulose degradation. Applied and environmental microbiology, 91(1), e0216524.

Zeng Y, et al. (2025) Mapping the chromothripsis landscape in urothelial carcinoma unravels great intratumoral and intertumoral heterogeneity. iScience, 28(1), 111510.

Ueda C, et al. (2025) Endothelial activating transcription factor 3 promotes angiogenesis and vascular repair in the mouse retina. iScience, 28(1), 111516.