

Xuerui Yang

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

3,459
citations

236925

25
h-index

233421

45
g-index

49
all docs

49
docs citations

49
times ranked

6418
citing authors

#	ARTICLE	IF	CITATIONS
1	An Extensive MicroRNA-Mediated Network of RNA-RNA Interactions Regulates Established Oncogenic Pathways in Glioblastoma. <i>Cell</i> , 2011, 147, 370-381.	28.9	671
2	The landscape of accessible chromatin in mammalian preimplantation embryos. <i>Nature</i> , 2016, 534, 652-657.	27.8	550
3	Mettl3-/Mettl14-mediated mRNA N6-methyladenosine modulates murine spermatogenesis. <i>Cell Research</i> , 2017, 27, 1216-1230.	12.0	298
4	Single-cell transcriptome analysis reveals differential nutrient absorption functions in human intestine. <i>Journal of Experimental Medicine</i> , 2020, 217, .	8.5	227
5	Genome-wide assessment of differential translations with ribosome profiling data. <i>Nature Communications</i> , 2016, 7, 11194.	12.8	179
6	The R-loop is a common chromatin feature of the Arabidopsis genome. <i>Nature Plants</i> , 2017, 3, 704-714.	9.3	160
7	Germinal-center development of memory B cells driven by IL-9 from follicular helper T cells. <i>Nature Immunology</i> , 2017, 18, 921-930.	14.5	132
8	Function of HNRNPC in breast cancer cells by controlling the dsRNA-induced interferon response. <i>EMBO Journal</i> , 2018, 37, .	7.8	131
9	De novo annotation and characterization of the translome with ribosome profiling data. <i>Nucleic Acids Research</i> , 2018, 46, e61-e61.	14.5	104
10	Cupid: simultaneous reconstruction of microRNA-target and ceRNA networks. <i>Genome Research</i> , 2015, 25, 257-267.	5.5	94
11	Oncogenic Properties of NEAT1 in Prostate Cancer Cells Depend on the CDC5L-AGRN Transcriptional Regulation Circuit. <i>Cancer Research</i> , 2018, 78, 4138-4149.	0.9	83
12	Ultrasensitive Ribo-seq reveals translational landscapes during mammalian oocyte-to-embryo transition and pre-implantation development. <i>Nature Cell Biology</i> , 2022, 24, 968-980.	10.3	57
13	eIF3 Associates with 80S Ribosomes to Promote Translation Elongation, Mitochondrial Homeostasis, and Muscle Health. <i>Molecular Cell</i> , 2020, 79, 575-587.e7.	9.7	52
14	The Double-stranded RNA-dependent Protein Kinase Differentially Regulates Insulin Receptor Substrates 1 and 2 in HepG2 Cells. <i>Molecular Biology of the Cell</i> , 2010, 21, 3449-3458.	2.1	51
15	ZEB1 Represses Neural Differentiation and Cooperates with CTBP2 to Dynamically Regulate Cell Migration during Neocortex Development. <i>Cell Reports</i> , 2019, 27, 2335-2353.e6.	6.4	49
16	High-throughput validation of ceRNA regulatory networks. <i>BMC Genomics</i> , 2017, 18, 418.	2.8	46
17	Lateral transfer of mRNA and protein by migrasomes modifies the recipient cells. <i>Cell Research</i> , 2021, 31, 237-240.	12.0	45
18	CryoEM structure of yeast cytoplasmic exosome complex. <i>Cell Research</i> , 2016, 26, 822-837.	12.0	44

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19	COPII mitigates ER stress by promoting formation of ER whorls. <i>Cell Research</i> , 2021, 31, 141-156.	12.0	36
20	A Dynamic Analysis of IRS-PKR Signaling in Liver Cells: A Discrete Modeling Approach. <i>PLoS ONE</i> , 2009, 4, e8040.	2.5	36
21	Repression of PKR mediates palmitate-induced apoptosis in HepG2 cells through regulation of Bcl-2. <i>Cell Research</i> , 2009, 19, 469-486.	12.0	33
22	Survey of the translation shifts in hepatocellular carcinoma with ribosome profiling. <i>Theranostics</i> , 2019, 9, 4141-4155.	10.0	33
23	The number of titrated microRNA species dictates ceRNA regulation. <i>Nucleic Acids Research</i> , 2018, 46, 4354-4369.	14.5	32
24	A hierarchical approach employing metabolic and gene expression profiles to identify the pathways that confer cytotoxicity in HepG2 cells. <i>BMC Systems Biology</i> , 2007, 1, 21.	3.0	31
25	Cideb controls sterol-regulated ER export of SREBP / SCAP by promoting cargo loading at ER exit sites. <i>EMBO Journal</i> , 2019, 38, .	7.8	31
26	Mutual dependency between lncRNA LETN and protein NPM1 in controlling the nucleolar structure and functions sustaining cell proliferation. <i>Cell Research</i> , 2021, 31, 664-683.	12.0	30
27	Ribosome Profiling Reveals Genome-wide Cellular Translational Regulation upon Heat Stress in <i>Escherichia coli</i> . <i>Genomics, Proteomics and Bioinformatics</i> , 2017, 15, 324-330.	6.9	26
28	Dependency of the Cancer-Specific Transcriptional Regulation Circuitry on the Promoter DNA Methylome. <i>Cell Reports</i> , 2019, 26, 3461-3474.e5.	6.4	22
29	Nutrient Sensing by the Intestinal Epithelium Orchestrates Mucosal Antimicrobial Defense via Translational Control of Hes1. <i>Cell Host and Microbe</i> , 2019, 25, 706-718.e7.	11.0	20
30	A Three Stage Integrative Pathway Search (TIPS [©]) framework to identify toxicity relevant genes and pathways. <i>BMC Bioinformatics</i> , 2007, 8, 202.	2.6	19
31	Identification of the cross-strand chimeric RNAs generated by fusions of bi-directional transcripts. <i>Nature Communications</i> , 2021, 12, 4645.	12.8	16
32	Reconstruct modular phenotype-specific gene networks by knowledge-driven matrix factorization. <i>Bioinformatics</i> , 2009, 25, 2236-2243.	4.1	15
33	Precision Medicine: What Challenges Are We Facing?. <i>Genomics, Proteomics and Bioinformatics</i> , 2016, 14, 253-261.	6.9	15
34	Identification of genes that regulate multiple cellular processes/ responses in the context of lipotoxicity to hepatoma cells. <i>BMC Genomics</i> , 2007, 8, 364.	2.8	12
35	Insights from multidimensional analyses of the pan-cancer DNA methylome heterogeneity and the uncanonical CpG-gene associations. <i>International Journal of Cancer</i> , 2018, 143, 2814-2827.	5.1	12
36	Ependyma-expressed CCN1 restricts the size of the neural stem cell pool in the adult ventricular-subventricular zone. <i>EMBO Journal</i> , 2020, 39, e101679.	7.8	12

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37	RiboMiner: a toolset for mining multi-dimensional features of the translome with ribosome profiling data. <i>BMC Bioinformatics</i> , 2020, 21, 340.	2.6	10
38	De novo reconstruction of cell interaction landscapes from single-cell spatial transcriptome data with DeepLinc. <i>Genome Biology</i> , 2022, 23, .	8.8	10
39	Double stranded RNA-dependent protein kinase promotes the tumorigenic phenotype in HepG2 hepatocellular carcinoma cells by activating STAT3. <i>Oncology Letters</i> , 2014, 8, 2762-2768.	1.8	9
40	IGSF11 is required for pericentric heterochromatin dissociation during meiotic diplotene. <i>PLoS Genetics</i> , 2021, 17, e1009778.	3.5	7
41	Synergy Analysis Reveals Association between Insulin Signaling and Desmoplakin Expression in Palmitate Treated HepG2 Cells. <i>PLoS ONE</i> , 2011, 6, e28138.	2.5	6
42	IDH1 fine-tunes cap-dependent translation initiation. <i>Journal of Molecular Cell Biology</i> , 2019, 11, 816-828.	3.3	3
43	DNA Tandem Repeats: A Simple Blocking PCR-Based Method for the Synthesis of High-Copy dsDNA Tandem Repeats (<i>Small</i> 43/2020). <i>Small</i> , 2020, 16, 2070234.	10.0	3
44	Expression and functional study of VpV262 Pol, a moderately halophilic DNA polymerase from the <i>Vibrio parahaemolyticus</i> phage VpV262. <i>Enzyme and Microbial Technology</i> , 2020, 139, 109588.	3.2	2
45	Chimeric Phi29 DNA polymerase with helix-hairpin-helix motifs shows enhanced salt tolerance and replication performance. <i>Microbial Biotechnology</i> , 2021, 14, 1642-1656.	4.2	2
46	De novo Identification of Actively Translated Open Reading Frames with Ribosome Profiling Data. <i>Journal of Visualized Experiments</i> , 2022, , .	0.3	1
47	A Simple Blocking PCR-Based Method for the Synthesis of High-Copy dsDNA Tandem Repeats. <i>Small</i> , 2020, 16, e2003671.	10.0	0