

## 2014 年实验室发表论文

序号	全文	第几单位	通讯作者	影响因子
1	Qiao S, Luo QS, Zhao Y, Zhang XJC, Huang YH. Structural basis for lipopolysaccharide insertion in the bacterial outer membrane. <i>Nature</i> 2014;511(7507):108-111.	1	黄亿华	38.60
2	Xu H, Yang JL, Gao WQ, Li L, Li P, Zhang L, Gong YN, Peng XL, Xi JZJ, Chen S, Wang FC, Shao F. Innate immune sensing of bacterial modifications of Rho GTPases by the Pyrin inflammasome. <i>Nature</i> 2014;513(7517):237-241	2	邵峰	38.60
3	Shi JJ, Zhao Y, Wang YP, Gao WQ, Ding JJ, Li P, Hu LY, Shao F. Inflammatory caspases are innate immune receptors for intracellular LPS. <i>Nature</i> 2014;514(7521):187-192.	3	邵峰	38.60
4	Song F, Chen P, Sun DP, Wang MZ, Dong LP, Liang D, Xu RM, Zhu P, Li GH. Cryo-EM Study of the Chromatin Fiber Reveals a Double Helix Twisted by Tetranucleosomal Units. <i>Science</i> 2014;344(6182):376-380.	1	李国红, 朱平	31.03
5	Suzuki K, Yu C, Qu J, Li M, Yao XT, Yuan TT, Goebel A, Tang SW, Ren RT, Aizawa E, Zhang F, Xu XL, Soligalla RD, Chen F, Kim J, Kim NY, Liao HK, Benner C, Esteban CR, Jin YB, Liu GH, Li YR, Belmonte JCI. Targeted Gene Correction Minimally Impacts Whole-Genome Mutational Load in Human-Disease-Specific Induced Pluripotent Stem Cell Clones. <i>Cell Stem Cell</i> 2014;15(1):31-36.	4	刘光慧, Li, Yingrui, BelmonteJC	25.32
6	Guo B, Liang QQ, Li L, Hu Z, Wu F, Zhang PP, Ma YF, Zhao B, Kovacs AL, Zhang ZY, Feng D, Chen S, Zhang H. O-GlcNAc-modification of SNAP-29 regulates autophagosome maturation. <i>Nature Cell Biology</i> 2014;16(12):1215-1226.	1	张宏	20.76
7	Zhang L, Mo JY, Swanson KV, Wen HT, Petrucelli A, Gregory SM, Zhang ZG, Schneider M, Jiang Y, Fitzgerald KA, Ouyang SY, Liu ZJ, Damania B, Shu HB, Duncan JA, Ting JPY. NLRC3, a Member of the NLR Family of Proteins, Is a Negative Regulator of Innate Immune Signaling Induced by the DNA Sensor STING. <i>Immunity</i> 2014;40(3):329-341.	6	Jenny P.-Y. Ting	19.80
8	Zhou T, Xiong J, Wang MZ, Yang N, Wong JM, Zhu B, Xu RM. Structural Basis for Hydroxymethylcytosine Recognition by the SRA Domain of UHRF2. <i>Molecular Cell</i> 2014;54(5):879-886.	1	许瑞明	15.28
9	Cao P, Zhang WT, Gui WJ, Dong YH, Jiang T, Gong Y. Structural insights into the mechanism of calmodulin binding to death receptors. <i>Acta Crystallographica Section D-Biological Crystallography</i> 2014;70:1604-1613.	1	江涛	14.10
10	Yang X, Xu M, Wang YY, Xia PY, Wang S, Ye BQ, Tong L, Jiang	2	江涛, 范	14.10

	T, Fan ZS. Molecular mechanism for self-protection against the type VI secretion system in <i>Vibrio cholerae</i> . <i>Acta Crystallographica Section D-Biological Crystallography</i> 2014;70:1094-1103.		祖森	
11	Liu S, Tian LF, Liu YP, An XM, Tang Q, Yan XX, Liang DC. Structural basis for DNA recognition and nuclease processing by the Mre11 homologue SbcD in double-strand breaks repair. <i>Acta Crystallographica Section D-Biological Crystallography</i> 2014;70:299-309.	1	梁栋材, 闫小雪	14.10
12	Natashin PV, Ding W, Ereemeeva EV, Markova SV, Lee J, Vysotski ES, Liu ZJ. Structures of the Ca <sup>2+</sup> -regulated photoprotein obelin Y138F mutant before and after bioluminescence support the catalytic function of a water molecule in the reaction. <i>Acta Crystallographica Section D-Biological Crystallography</i> 2014;70:720-732.	1	刘志杰	14.10
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14	Lu QH, Yao Q, Xu Y, Li L, Li S, Liu YH, Gao WQ, Niu M, Sharon M, Ben-Nissan G, Zamyatina A, Liu XY, Chen S, Shao F. An Iron-Containing Dodecameric Heptosyltransferase Family Modifies Bacterial Autotransporters in Pathogenesis. <i>Cell Host &amp; Microbe</i> 2014;16(3):351-363.	5	邵峰	12.61
15	Li Y, Zhang L, Liu TT, Chai CL, Fang QL, Wu H, Garcia PAA, Han ZF, Zong S, Yu Y, Zhang XY, Parthun MR, Chai JJ, Xu RM, Yang MJ. Hat2p recognizes the histone H3 tail to specify the acetylation of the newly synthesized H3/H4 heterodimer by the Hat1p/Hat2p complex. <i>Genes &amp; Development</i> 2014;28(11):1217-1227.	2	Yang, Maojun	12.44
16	Guo B, Huang J, Wu WX, Feng D, Wang XC, Chen YY, Zhang H. The nascent polypeptide-associated complex is essential for autophagic flux. <i>Autophagy</i> 2014;10(10):1738-1748.	1	张宏	12.04
17	De Colibus LG, Wang XX, Spyrou JAB, Kelly J, Ren JS, Grimes J, Puerstinger G, Stonehouse N, Walter TS, Hu ZY, Wang JZ, Li XM, Peng W, Rowlands DJ, Fry EE, Rao ZH, Stuart DI. More-powerful virus inhibitors from structure-based analysis of HEV71 capsid-binding molecules. <i>Nature Structural &amp; Molecular Biology</i> 2014;21(3):282-288.	2	饶子和	11.63
18	Feng H, Ding JJ, Zhu DY, Liu XH, Xu XY, Zhang Y, Zang SS, Wang DC, Liu W. Structural and Mechanistic Insights into NDM-1 Catalyzed Hydrolysis of Cephalosporins. <i>Journal of the American Chemical Society</i> 2014;136(42):14694-14697.	1	王大成	10.68
19	Zhao LX, Hua T, Crowley C, Ru H, Ni XM, Shaw N, Jiao LY, Ding W, Qu L, Hung LW, Huang W, Liu L, Ye KQ, Ouyang SY,	1	刘志杰, 欧阳松应	10.53

	Cheng GH, Liu ZJ. Structural analysis of asparaginyl endopeptidase reveals the activation mechanism and a reversible intermediate maturation stage. <i>Cell Research</i> 2014;24(3):344-358.			
20	Ou GS, Gentili C, Gonczy P. Stereotyped distribution of midbody remnants in early <i>C. elegans</i> embryos requires cell death genes and is dispensable for development. <i>Cell Research</i> 2014;24(2):251-253.	1	欧光朔	10.53
21	Yin Y, Cai X, Chen X, Liang HW, Zhang YJ, Li J, Wang ZY, Chen XL, Zhang W, Yokoyama S, Wang C, Li L, Li LM, Hou DX, Dong L, Xu T, Hiroi T, Yang FQ, Ji HB, Zhang JF, Zen K, Zhang CY. Tumor-secreted miR-214 induces regulatory T cells: a major link between immune evasion and tumor growth. <i>Cell Research</i> 2014;24(10):1164-1180.	6	Zhang, ChenYu	10.53
22	Ren R, Liu HP, Wang WJ, Wang MZ, Yang N, Dong YH, Gong WM, Lehmann R, Xu RM. Structure and domain organization of <i>Drosophila</i> Tudor. <i>Cell Research</i> 2014;24(9):1146-1149.	1	许瑞明	10.53
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25	Zhou T, Yu MF, Zhang B, Wang LM, Wu XC, Zhou HJ, Du YP, Hao JF, Tu YP, Chen CY, Wei TT. Inhibition of Cancer Cell Migration by Gold Nanorods: Molecular Mechanisms and Implications for Cancer Therapy. <i>Advanced Functional Materials</i> 2014;24(44):6922-6932.	1	卫涛涛	10.40
26	Liu GH, Suzuki K, Li M, Qu J, Montserrat N, Tarantino C, Gu Y, Yi F, Xu XL, Zhang WQ, Ruiz S, Plongthongkum N, Zhang K, Masuda S, Nivet E, Tsunekawa Y, Soligalla RD, Goebel A, Aizawa E, Kim NY, Kim J, Dubova I, Li Y, Ren RT, Benner C, del Sol A, Bueren J, Trujillo JP, Surralles J, Cappelli E, Dufour C, Esteban CR, Belmonte JCI. Modelling Fanconi anemia pathogenesis and therapeutics using integration-free patient-derived iPSCs. <i>Nature Communications</i> 2014;5.	1	刘光慧, Belmonte JC	10.02
27	Liu XY, Yin Y, Wu JJ, Liu ZF. Structure and mechanism of an intramembrane liponucleotide synthetase central for phospholipid biosynthesis. <i>Nature Communications</i> 2014;5.	1	柳振峰	10.02
28	Zhou QJ, Li JM, Yu H, Zhai YJ, Gao Z, Liu YX, Pang XY, Zhang LF, Schulten K, Sun F, Chen C. Molecular insights into the membrane-associated phosphatidylinositol 4-kinase II alpha. <i>Nature Communications</i> 2014;5.	1	孙飞, 陈畅	10.02

29	Lu L, Liu Q, Zhu Y, Chan KH, Qin LL, Li Y, Wang Q, Chan JFW, Du LY, Yu F, Ma CQ, Ye S, Yuen KY, Zhang RG, Jiang SB. Structure-based discovery of Middle East respiratory syndrome coronavirus fusion inhibitor. <i>Nature Communications</i> 2014;5:3067	2	张荣光	10.02
30	Cao BH, Zhao Y, Kou YJ, Ni DC, Zhang XJC, Huang YH. Structure of the nonameric bacterial amyloid secretion channel. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 2014;111(50):E5439-E5444.	1	黄亿华	9.74
31	Su W, Wang Y, Jia X, Wu WH, Li LH, Tian XD, Li S, Wang CJ, Xu HM, Cao JQ, Han QF, Xu SM, Chen Y, Zhong YF, Zhang XY, Liu PS, Gustafsson JA, Guan YF. Comparative proteomic study reveals 17 beta-HSD13 as a pathogenic protein in nonalcoholic fatty liver disease. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 2014;111(31):11437-11442.	1	刘平生	9.74
32	Chen SY, Li L, Li JL, Liu B, Zhu XY, Zheng L, Zhang RY, Xu T. SEC-10 and RAB-10 coordinate basolateral recycling of clathrin-independent cargo through endosomal tubules in <i>Caenorhabditis elegans</i> . <i>Proceedings of the National Academy of Sciences of the United States of America</i> 2014;111(43):15432-15437.	2	徐涛	9.74
33	Liang MM, Fan KL, Zhou M, Duan DM, Zheng JY, Yang DL, Feng J, Yan XY. H-ferritin-nanocaged doxorubicin nanoparticles specifically target and kill tumors with a single-dose injection. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 2014;111(41):14900-14905.	1	阎锡蕴	9.74
34	Fan JP, Jiang DH, Zhao Y, Liu JF, Zhang XJC. Crystal structure of lipid phosphatase <i>Escherichia coli</i> phosphatidylglycerophosphate phosphatase B. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 2014;111(21):7636-7640.	1	张凯	9.74
35	Chen Y, Ding YF, Yang L, Yu JH, Liu GM, Wang XM, Zhang SY, Yu D, Song L, Zhang HX, Zhang CY, Huo LH, Huo CX, Wang Y, Du YL, Zhang HN, Zhang P, Na HM, Xu SM, Zhu YX, Xie ZS, He T, Zhang Y, Wang GL, Fan ZH, Yang FQ, Liu HL, Wang XW, Zhang XG, Zhang MQ, Li YD, Steinbuechel A, Fujimoto T, Cichello S, Yu J, Liu PS. Integrated omics study delineates the dynamics of lipid droplets in <i>Rhodococcus opacus</i> PD630. <i>Nucleic Acids Research</i> 2014;42(2):1052-1064.	1	刘平生	8.81
36	Wang W, Ding JJ, Zhang Y, Hu YL, Wang DC. Structural insights into the unique single-stranded DNA-binding mode of <i>Helicobacter pylori</i> DprA. <i>Nucleic Acids Research</i> 2014;42(5):3478-3491.	1	王大成	8.81
37	Han Y, Wang SF, Zhang ZP, Ma XH, Li W, Zhang XW, Deng JY, Wei HP, Li ZY, Zhang XE, Cui ZQ. In vivo imaging of protein-protein and RNA-protein interactions using novel far-red	3	张先恩, 崔宗强	8.81

	fluorescence complementation systems. <i>Nucleic Acids Research</i> 2014;42(13).			
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39	Tang J, Chen JJ, Jing J, Chen JZ, Lv HB, Yu Y, Xu PY, Zhang JL. beta-Lactonization of fluorinated porphyrin enhances LDL binding affinity, cellular uptake with selective intracellular localization. <i>Chemical Science</i> 2014;5(2):558-566.	2	徐平勇	8.31
40	Zhu XQ, Wang FC, Zhao YY, Yang P, Chen J, Sun HZ, Liu L, Li WJ, Pan L, Guo YR, Kou ZH, Zhang Y, Zhou C, He J, Zhang X, Li JX, Han WT, Li J, Liu GH, Gao SR, Yang Z. A Gain-of-Function Mutation in Tnni2 Impeded Bone Development through Increasing Hif3a Expression in DA2B Mice. <i>Plos Genetics</i> 2014;10(10).	11	Yang Z	8.17
41	Gu JM, Feng YG, Feng X, Sun CJ, Lei LC, Ding W, Niu FF, Jiao LY, Yang M, Li Y, Liu XH, Song J, Cui ZY, Han D, Du CT, Yang YJ, Ouyang SY, Liu ZJ, Han WY. Structural and Biochemical Characterization Reveals LysGH15 as an Unprecedented "EF-Hand-Like" Calcium-Binding Phage Lysin. <i>Plos Pathogens</i> 2014;10(5).	4	刘志杰, 欧阳松应	8.06
42	Guo B, Huang XX, Zhang PP, Qi LX, Liang QQ, Zhang XB, Huang J, Fang B, Hou WR, Han JH, Zhang H. Genome-wide screen identifies signaling pathways that regulate autophagy during <i>Caenorhabditis elegans</i> development. <i>Embo Reports</i> 2014;15(6):705-713.	1	张宏	7.86
43	Chen XL, Wei SS, Ma Y, Lu J, Niu G, Xue YH, Chen XY, Yang FQ. Quantitative Proteomics Analysis Identifies Mitochondria as Therapeutic Targets of Multidrug-Resistance in Ovarian Cancer. <i>Theranostics</i> 2014;4(12):1164-1175.	3	王晓晨	7.86
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45	Zhou YJ, Zhang CL, Liang W. Development of RNAi technology for targeted therapy - A track of siRNA based agents to RNAi therapeutics. <i>Journal of Controlled Release</i> 2014;193:270-281.	1	梁伟	7.63
46	Zhou HJ, Zhang B, Zheng JJ, Yu MF, Zhou T, Zhao K, Jia YX, Gao XF, Chen CY, Wei TT. The inhibition of migration and invasion of cancer cells by graphene via the impairment of mitochondrial respiration. <i>Biomaterials</i> 2014;35(5):1597-1607.	1	卫涛涛	7.60
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51	Wan T, Li M, Zhao XL, Zhang JP, Liu ZF, Chang WR. Crystal Structure of a Multilayer Packed Major Light-Harvesting Complex: Implications for Grana Stacking in Higher Plants. <i>Molecular Plant</i> 2014;7(5):916-919.	1	张凯	6.79
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54	Wang YQ, Wang XC, Deng W, Fan XD, Liu TT, He GM, Chen RS, Terzaghi W, Zhu DM, Deng XW. Genomic Features and Regulatory Roles of Intermediate-Sized Non-Coding RNAs in Arabidopsis. <i>Molecular Plant</i> 2014;7(3):514-527	5	Deng XW	6.13
55	Wang DB, Tian B, Zhang ZP, Wang XY, Fleming J, Bi LJ, Yang RF, Zhang XE. Detection of Bacillus anthracis spores by super-paramagnetic lateral-flow immunoassays based on "Road Closure". <i>Biosensors &amp; bioelectronics</i> . 2014;67:608-617	1	张先恩	6.05
56	Pei Wang, Beibei Mao, Wen Luo, Bin Wei, Wenjian Jiang, Dong Liu, Lei Song, Guangju Ji, Zhongzhou Yang, Yong-Qiang Lai, Zengqiang Yuan. The alteration of Hippo/YAP signaling in the development of hypertrophic cardiomyopathy. <i>Basic Res Cardiol</i> . 2014 ; 109(5):435.	4	袁增强	6.00
57	Ni DC, Wang Y, Yang X, Zhou HZ, Hou XM, Cao BH, Lu ZX, Zhao XS, Yang K, Huang YH. Structural and functional analysis of	1	黄亿华	5.70

	the beta-barrel domain of BamA from Escherichia coli. <i>Faseb Journal</i> 2014;28(6):2677-2685.			
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59	Deng LZ, Wu AP, Dai WT, Song TR, Cui Y, Jiang TJ. Exploring protein domain organization by recognition of secondary structure packing interfaces. <i>Bioinformatics</i> 2014;30(17):2440-2446.	1	蒋太交	5.32
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63	Gong MQ, Zhu HT, Zhou J, Yang CT, Feng J, Huang XJ, Ji G, Xu HL, Zhu P. Cryo-Electron Microscopy Study of Insect Cell-Expressed Enterovirus 71 and Coxsackievirus A16 Virus-Like Particles Provides a Structural Basis for Vaccine Development. <i>Journal of Virology</i> 2014;88(11):6444-6452.	1	朱平	5.08
64	Mei L, Lu ZT, Zhang XG, Li CX, Jia YX. Polymer-Ag Nanocomposites with Enhanced Antimicrobial Activity against Bacterial Infection. <i>Acs Applied Materials &amp; Interfaces</i> 2014;6(18):15813-15821.	2	Jia YX	5.01
65	Chen Z, Yang MK, Li CY, Wang Y, Zhang J, Wang DB, Zhang XE, Ge F. Phosphoproteomic Analysis Provides Novel Insights into Stress Responses in <i>Phaeodactylum tricornutum</i> , a Model Diatom. <i>Journal of Proteome Research</i> 2014;13(5):2511-2523.	3	张先恩, 葛峰	5.00
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	Yuan TT, Wang JH, Liu LM, Belmonte JCI, Liu GH, Chen C. A Novel Suppressive Effect of Alcohol Dehydrogenase 5 in Neuronal Differentiation. <i>Journal of Biological Chemistry</i> 2014;289(29):20193-20199.		光慧	
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70	Gong WB, Wang JF, Perrett S, Feng YG. Retinoblastoma-binding Protein 1 Has an Interdigitated Double Tudor Domain with DNA Binding Activity*. <i>Journal of Biological Chemistry</i> 2014;289(8):4882-4895.	1	柯莎, 冯银刚	4.65
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73	Yang F, Gao YY, Li ZK, Chen LM, Xia ZP, Xu T, Qin Y. Mitochondrial EF4 links respiratory dysfunction and cytoplasmic translation in <i>Caenorhabditis elegans</i> . <i>Biochimica Et Biophysica Acta-Bioenergetics</i> 2014;1837(10):1674-1683.	4	徐涛, 秦燕	4.62
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