

Kun Yang

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

46
papers

4,537
citations

21
h-index

52
g-index

52
ext. papers

5,663
ext. citations

11.8
avg, IF

5.3
L-index

#	Paper	IF	Citations
46	Complement: a key system for immune surveillance and homeostasis. <i>Nature Immunology</i> , 2010 , 11, 785-871	17.1	2328
45	Total synthesis of a functional designer eukaryotic chromosome. <i>Science</i> , 2014 , 344, 55-8	33.3	360
44	Design of a synthetic yeast genome. <i>Science</i> , 2017 , 355, 1040-1044	33.3	296
43	Finding multiple target optimal intervention in disease-related molecular network. <i>Molecular Systems Biology</i> , 2008 , 4, 228	12.2	143
42	"Perfect" designer chromosome V and behavior of a ring derivative. <i>Science</i> , 2017 , 355,	33.3	124
41	Synthesis, debugging, and effects of synthetic chromosome consolidation: synVI and beyond. <i>Science</i> , 2017 , 355,	33.3	115
40	Discovery of multitarget inhibitors by combining molecular docking with common pharmacophore matching. <i>Journal of Medicinal Chemistry</i> , 2008 , 51, 7882-8	8.3	113
39	Bug mapping and fitness testing of chemically synthesized chromosome X. <i>Science</i> , 2017 , 355,	33.3	112
38	Deep functional analysis of synII, a 770-kilobase synthetic yeast chromosome. <i>Science</i> , 2017 , 355,	33.3	101
37	Engineering the ribosomal DNA in a megabase synthetic chromosome. <i>Science</i> , 2017 , 355,	33.3	99
36	O2.3. INCREASED PROTEIN INSOLUBILITY IN BRAINS FROM A SUBSET OF PATIENTS WITH SCHIZOPHRENIA. <i>Schizophrenia Bulletin</i> , 2019 , 45, S163-S163	1.3	78
35	SCRaMBLE generates designed combinatorial stochastic diversity in synthetic chromosomes. <i>Genome Research</i> , 2016 , 26, 36-49	9.7	78
34	Dynamic simulations on the arachidonic acid metabolic network. <i>PLoS Computational Biology</i> , 2007 , 3, e55	5	76
33	3D organization of synthetic and scrambled chromosomes. <i>Science</i> , 2017 , 355,	33.3	73
32	Virtual screening of novel noncovalent inhibitors for SARS-CoV 3C-like proteinase. <i>Journal of Chemical Information and Modeling</i> , 2005 , 45, 10-17	6.1	61
31	Heterozygous diploid and interspecies SCRaMBLEing. <i>Nature Communications</i> , 2018 , 9, 1934	17.4	50
30	PSI-DOCK: towards highly efficient and accurate flexible ligand docking. <i>Proteins: Structure, Function and Bioinformatics</i> , 2006 , 62, 934-46	4.2	40

29	A toolbox of immunoprecipitation-grade monoclonal antibodies to human transcription factors. <i>Nature Methods</i> , 2018 , 15, 330-338	21.6	37
28	Increased power by harmonizing structural MRI site differences with the ComBat batch adjustment method in ENIGMA. <i>NeuroImage</i> , 2020 , 218, 116956	7.9	32
27	Predicting kinetic constants of protein-protein interactions based on structural properties. <i>Proteins: Structure, Function and Bioinformatics</i> , 2011 , 79, 720-34	4.2	32
26	RADOM, an efficient in vivo method for assembling designed DNA fragments up to 10 kb long in <i>Saccharomyces cerevisiae</i> . <i>ACS Synthetic Biology</i> , 2015 , 4, 213-20	5.7	30
25	Relationship between elevated plasma trimethylamine N-oxide levels and increased stroke injury. <i>Neurology</i> , 2020 , 94, e667-e677	6.5	21
24	Neuronal Autophagy in Synaptic Functions and Psychiatric Disorders. <i>Biological Psychiatry</i> , 2020 , 87, 787-796	7.96	20
23	Low escape-rate genome safeguards with minimal molecular perturbation of. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, E1470-E1479	11.5	14
22	CMAP: Complement Map Database. <i>Bioinformatics</i> , 2013 , 29, 1832-3	7.2	14
21	Increased Protein Insolubility in Brains From a Subset of Patients With Schizophrenia. <i>American Journal of Psychiatry</i> , 2019 , 176, 730-743	11.9	12
20	BioPartsBuilder: a synthetic biology tool for combinatorial assembly of biological parts. <i>Bioinformatics</i> , 2016 , 32, 937-9	7.2	12
19	A multimodal approach to studying the relationship between peripheral glutathione, brain glutamate, and cognition in health and in schizophrenia. <i>Molecular Psychiatry</i> , 2021 , 26, 3502-3511	15.1	10
18	Complement in Action: An Analysis of Patent Trends from 1976 Through 2011. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 735, 301-313	3.6	8
17	Trait and state biomarkers for psychiatric disorders: Importance of infrastructure to bridge the gap between basic and clinical research and industry. <i>Psychiatry and Clinical Neurosciences</i> , 2018 , 72, 482-489	6.2	7
16	The NIH Protein Capture Reagents Program (PCRP): a standardized protein affinity reagent toolbox. <i>Nature Methods</i> , 2016 , 13, 805-6	21.6	6
15	Multimodal MRI assessment for first episode psychosis: A major change in the thalamus and an efficient stratification of a subgroup. <i>Human Brain Mapping</i> , 2021 , 42, 1034-1053	5.9	6
14	From population to neuron: exploring common mediators for metabolic problems and mental illnesses. <i>Molecular Psychiatry</i> , 2021 , 26, 3931-3942	15.1	5
13	A multimodal study of a first episode psychosis cohort: potential markers of antipsychotic treatment resistance. <i>Molecular Psychiatry</i> , 2021 ,	15.1	4
12	BioPartsDB: a synthetic biology workflow web-application for education and research. <i>Bioinformatics</i> , 2016 , 32, 3519-3521	7.2	3

11	Open Sesame: Open Chromatin Regions Shed Light onto Non-coding Risk Variants. <i>Cell Stem Cell</i> , 2017 , 21, 285-287	18	3
10	Dynamic simulations on the Arachidonic Acid Metabolic Network. <i>PLoS Computational Biology</i> , 2005 , preprint, e55	5	3
9	Is There a Glutathione Centered Redox Dysregulation Subtype of Schizophrenia?. <i>Antioxidants</i> , 2021 , 10,	7.1	3
8	Synthetic chromosome fusion: effects on genome structure and function		3
7	Face processing of social cognition in patients with first episode psychosis: Its deficits and association with the right subcallosal anterior cingulate cortex. <i>Schizophrenia Research</i> , 2021 , 238, 99-107	3.6	2
6	The transcriptome landscape associated with Disrupted-in-Schizophrenia-1 locus impairment in early development and adulthood. <i>Schizophrenia Research</i> , 2019 , 210, 149-156	3.6	1
5	Olfactory dysfunction and face processing of social cognition in first-episode psychosis. <i>Neuroscience Research</i> , 2021 ,	2.9	1
4	Volumetric alteration of olfactory bulb and immune-related molecular changes in olfactory epithelium in first episode psychosis patients. <i>Schizophrenia Research</i> , 2021 , 235, 9-11	3.6	1
3	Making Sense of Extracellular Vesicles in Body Fluids: Promise and Challenge. <i>Schizophrenia Bulletin</i> , 2021 , 47, 586-587	1.3	0
2	Sex-specific involvement of the Notch-JAG pathway in social recognition.. <i>Translational Psychiatry</i> , 2022 , 12, 99	8.6	0
1	Complement in action: an analysis of patent trends from 1976 through 2011. <i>Advances in Experimental Medicine and Biology</i> , 2013 , 735, 301-13	3.6	