Wei Gu

List of Publications by Year
in descending order

29 papers	7,798 citations	516710 16 h-index	526287 27 g-index
30 all docs	30 docs citations	30 times ranked	13162 citing authors

#	Article	IF	Citations
1	Meta-analysis of 74,046 individuals identifies 11 new susceptibility loci for Alzheimer's disease. Nature Genetics, 2013, 45, 1452-1458.	21.4	3,741
2	Genetic meta-analysis of diagnosed Alzheimerâ€™s disease identifies new risk loci and implicates AÎ², tau, immunity and lipid processing. Nature Genetics, 2019, 51, 414-430.	21.4	1,962
3	Rare coding variants in PLCG2, ABI3, and TREM2 implicate microglial-mediated innate immunity in Alzheimer's disease. Nature Genetics, 2017, 49, 1373-1384.	21.4	783
4	Frontotemporal dementia and its subtypes: a genome-wide association study. Lancet Neurology, The, 2014, 13, 686-699.	10.2	302
5	Gene-Wide Analysis Detects Two New Susceptibility Genes for Alzheimer's Disease. PLoS ONE, 2014, 9, e94661.	2.5	155
6	PredictProtein - Predicting Protein Structure and Function for 29 Years. Nucleic Acids Research, 2021, 49, W535-W540.	14.5	135
7	Adhesive water networks facilitate binding of protein interfaces. Nature Communications, 2011, 2, 261.	12.8	132
8	Atomistic Simulation of Water Percolation and Proton Hopping in Nafion Fuel Cell Membrane. Journal of Physical Chemistry B, 2010, 114, 13681-13690.	2.6	125
9	Mechanism of Fast Peptide Recognition by SH3 Domains. Angewandte Chemie - International Edition, 2008, 47, 7626-7630.	13.8	86
10	The miRNome of Alzheimer's disease: consistent downregulation of the miR-132/212 cluster. Neurobiology of Aging, 2017, 50, 167.e1-167.e10.	3.1	86
11	Carbon Nanotube Wins the Competitive Binding over Proline-Rich Motif Ligand on SH3 Domain. Journal of Physical Chemistry C, 2011, 115, 12322-12328.	3.1	56
12	A rare loss-of-function variant of ADAM17 is associated with late-onset familial Alzheimer disease. Molecular Psychiatry, 2020, 25, 629-639.	7.9	42
13	Integration and Visualization of Translational Medicine Data for Better Understanding of Human Diseases. Big Data, 2016, 4, 97-108.	3.4	41
14	Solvation Free Energies and Transfer Free Energies for Amino Acids from Hydrophobic Solution to Water Solution from a Very Simple Residue Model. Journal of Physical Chemistry B, 2004, 108, 5806-5814.	2.6	31
15	SmartR: an open-source platform for interactive visual analytics for translational research data. Bioinformatics, 2017, 33, 2229-2231.	4.1	18
16	Dynamic Protonation Equilibrium of Solvated Acetic Acid. Angewandte Chemie - International Edition, 2007, 46, 2939-2943.	13.8	17
17	Cardiovascular RNA markers and artificial intelligence may improve COVID-19 outcome: a position paper from the EU-CardioRNA COST Action CA17129. Cardiovascular Research, 2021, 117, 1823-1840.	3.8	17
18	Dynamical binding of proline-rich peptides to their recognition domains. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2005, 1754, 232-238.	2.3	15

#	Article	IF	Citations
19	Design of a Gated Molecular Proton Channel. Angewandte Chemie - International Edition, 2011, 50, 768-771.	13.8	11
20	Hydrogen-Bonded Networks Along and Bifurcation of the E-Pathway in Quinol:Fumarate Reductase. Biophysical Journal, 2012, 103, 1305-1314.	0.5	8
21	Road to effective data curation for translational research. Drug Discovery Today, 2021, 26, 626-630.	6.4	8
22	Selection of data sets for FAIRification in drug discovery and development: Which, why, and how?. Drug Discovery Today, 2022, 27, 2080-2085.	6.4	8
23	Different Protonation Equilibria of 4â€Methylimidazole and Acetic Acid. ChemPhysChem, 2007, 8, 2445-2451.	2.1	6
24	Data and knowledge management in translational research: implementation of the eTRIKS platform for the IMI OncoTrack consortium. BMC Bioinformatics, 2019, 20, 164.	2.6	5
25	Amyloid-Î² Protein Precursor Cleavage Products in Postmortem Ventricular Cerebrospinal Fluid of Alzheimerâ€™s Disease Patients. Journal of Alzheimer's Disease, 2015, 47, 365-372.	2.6	3
26	Fractalis: a scalable open-source service for platform-independent interactive visual analysis of biomedical data. GigaScience, 2018, 7, .	6.4	3
27	COBREXA.jl: constraint-based reconstruction and exascale analysis. Bioinformatics, 2022, 38, 1171-1172.	4.1	2
28	[P2â€“108]: IDENTIFICATION OF A RARE GENE VARIANT THAT IS ASSOCIATED WITH FAMILIAL ALZHEIMER DISEASE AND REGULATES APP EXPRESSION. Alzheimer's and Dementia, 2017, 13, P648.	0.8	0
29	Presenting and sharing clinical data using the eTRIKS Standards Master Tree for tranSMART. Bioinformatics, 2019, 35, 1562-1565.	4.1	0