

Chii-Shen Yang

List of Publications by Year in descending order

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31
papers

1,535
citations

623734

14
h-index

477307

29
g-index

31
all docs

31
docs citations

31
times ranked

1769
citing authors

#	ARTICLE	IF	CITATIONS
1	Retinylidene Proteins: Structures and Functions from Archaea to Humans. Annual Review of Cell and Developmental Biology, 2000, 16, 365-392.	9.4	605
2	Molecular Basis for Interactions of G Protein $\beta\gamma$ Subunits with Effectors. Science, 1998, 280, 1271-1274.	12.6	409
3	The β -Helical Domain of G α Determines Specific Interaction with Regulator of G Protein Signaling 9. Journal of Biological Chemistry, 1999, 274, 8770-8778.	3.4	65
4	A Novel Six-Rhodopsin System in a Single Archaeon. Journal of Bacteriology, 2010, 192, 5866-5873.	2.2	49
5	Light-Induced Structural Changes Occur in the Transmembrane Helices of the Natronobacterium pharaonis HtrII Transducer. Biochemistry, 2001, 40, 14207-14214.	2.5	48
6	Conformational Changes at The Carboxyl Terminus of G α Occur during G Protein Activation. Journal of Biological Chemistry, 1999, 274, 2379-2385.	3.4	39
7	Codon changed immobilization antigen (iAg), a potent DNA vaccine in fish against Cryptocaryon irritans infection. Vaccine, 2012, 30, 893-903.	3.8	38
8	The Cytoplasmic Membrane-proximal Domain of the HtrII Transducer Interacts with the E-F Loop of Photoactivated Natronomonas pharaonis Sensory Rhodopsin II. Journal of Biological Chemistry, 2004, 279, 42970-42976.	3.4	37
9	Non-viral delivery of an optogenetic tool into cells with self-healing hydrogel. Biomaterials, 2018, 174, 31-40.	11.4	35
10	Crystal Structures of Bacillus Alkaline Phytase in Complex with Divalent Metal ions and Inositol Hexasulfate. Journal of Molecular Biology, 2011, 409, 214-224.	4.2	34
11	Using Haloarcula marismortui Bacteriorhodopsin as a Fusion Tag for Enhancing and Visible Expression of Integral Membrane Proteins in Escherichia coli. PLoS ONE, 2013, 8, e56363.	2.5	33
12	Insights into the catalytic properties of bamboo vacuolar invertase through mutational analysis of active site residues. Phytochemistry, 2009, 70, 25-31.	2.9	29
13	Optogenetic Modulation and Reprogramming of Bacteriorhodopsin-Transfected Human Fibroblasts on Self-Assembled Fullerene C60 Nanosheets. Advanced Biology, 2019, 3, e1800254.	3.0	16
14	A Unique Light-Driven Proton Transportation Signal in Halorhodopsin from Natronomonas pharaonis. Biophysical Journal, 2016, 111, 2600-2607.	0.5	15
15	Evaluation of allelic strength of human <i>TET2</i> mutations and cooperation between <i>Tet2</i> knockdown and oncogenic <i>Nras</i> mutation. British Journal of Haematology, 2014, 166, 461-465.	2.5	13
16	Structural and Functional Studies of a Newly Grouped Haloquadratum walsbyi Bacteriorhodopsin Reveal the Acid-resistant Light-driven Proton Pumping Activity. Journal of Biological Chemistry, 2015, 290, 29567-29577.	3.4	13
17	Insight into a single halobacterium using a dual-bacteriorhodopsin system with different functionally optimized <i>pH</i> ranges to cope with periplasmic <i>pH</i> changes associated with continuous light illumination. Molecular Microbiology, 2013, 88, 551-561.	2.5	12
18	Photochemistry of a Dual-Bacteriorhodopsin System in <i>Haloarcula marismortui</i> : HmbRI and HmbRII. Journal of Physical Chemistry B, 2014, 118, 7290-7301.	2.6	8

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19	Overexpression of Different Types of Microbial Rhodopsins with a Highly Expressible Bacteriorhodopsin from <i>Haloarcula marismortui</i> as a Single Protein in <i>E. coli</i> . <i>Scientific Reports</i> , 2018, 8, 14026.	3.3	8
20	Ser262 determines the chloride-dependent colour tuning of a new halorhodopsin from <i>Haloquadratum walsbyi</i> . <i>Bioscience Reports</i> , 2012, 32, 501-509.	2.4	6
21	Phototaxis of <i>Haloarcula marismortui</i> Revealed Through a Novel Microbial Motion Analysis Algorithm. <i>Photochemistry and Photobiology</i> , 2010, 86, 1084-1090.	2.5	5
22	Schiff Base Proton Acceptor Assists Photoisomerization of Retinal Chromophores in Bacteriorhodopsin. <i>Biophysical Journal</i> , 2017, 112, 2503-2519.	0.5	4
23	Potential of Engineered Bacteriorhodopsins as Photoactivated Biomaterials in Modulating Neural Stem Cell Behavior. <i>ACS Biomaterials Science and Engineering</i> , 2019, 5, 3068-3078.	5.2	4
24	A transducer for microbial sensory rhodopsin that adopts GTG as a start codon is identified in <i>Haloarcula marismortui</i> . <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2013, 121, 15-22.	3.8	3
25	The Blue-Green Sensory Rhodopsin SRM from <i>Haloarcula marismortui</i> Attenuates Both Phototactic Responses Mediated by Sensory Rhodopsin I and II in <i>Halobacterium salinarum</i> . <i>Scientific Reports</i> , 2019, 9, 5672.	3.3	2
26	Engineered Bacteriorhodopsin May Induce Lung Cancer Cell Cycle Arrest and Suppress Their Proliferation and Migration. <i>Molecules</i> , 2021, 26, 7344.	3.8	2
27	Fluorescence-based assay probing regulator of G protein signaling partner proteins. <i>Analytical Biochemistry</i> , 2012, 423, 133-140.	2.4	1
28	Complete Genome Sequence of a New Halophilic Archaeon, <i>Haloarcula taiwanensis</i> , Isolated from a Solar Saltern in Southern Taiwan. <i>Genome Announcements</i> , 2018, 6, .	0.8	1
29	A Conserved Trp Residue in HwBR Contributes to Its Unique Tolerance Toward Acidic Environments. <i>Biophysical Journal</i> , 2022, , .	0.5	1
30	[33] Fluorescent probes as indicators of conformation changes in transducin on activation. <i>Methods in Enzymology</i> , 2000, 315, 490-502.	1.0	0
31	HwMR is a novel magnesium-associated protein. <i>Biophysical Journal</i> , 2022, , .	0.5	0