

# Kuo-Chiang Hsia

## List of Publications by Year in descending order

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Version: 2024-02-01

26  
papers

944  
citations

623734

14  
h-index

610901

24  
g-index

27  
all docs

27  
docs citations

27  
times ranked

1006  
citing authors

#	ARTICLE	IF	CITATIONS
1	Architecture of a Coat for the Nuclear Pore Membrane. <i>Cell</i> , 2007, 131, 1313-1326.	28.9	124
2	A Fence-like Coat for the Nuclear Pore Membrane. <i>Molecular Cell</i> , 2008, 32, 815-826.	9.7	117
3	Asymmetric Friction of Nonmotor MAPs Can Lead to Their Directional Motion in Active Microtubule Networks. <i>Cell</i> , 2014, 157, 420-432.	28.9	75
4	Reconstitution of the augmin complex provides insights into its architecture and function. <i>Nature Cell Biology</i> , 2014, 16, 852-863.	10.3	69
5	Structural and functional insight into sugar-nonspecific nucleases in host defense. <i>Current Opinion in Structural Biology</i> , 2005, 15, 126-134.	5.7	65
6	DNA Binding and Degradation by the HNH Protein ColE7. <i>Structure</i> , 2004, 12, 205-214.	3.3	58
7	Structure of a trimeric nucleoporin complex reveals alternate oligomerization states. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17693-17698.	7.1	57
8	The Crystal Structure of the Nuclease Domain of Colicin E7 Suggests a Mechanism for Binding to Double-stranded DNA by the H <sub>2</sub> N <sub>2</sub> H Endonucleases. <i>Journal of Molecular Biology</i> , 2002, 324, 227-236.	4.2	54
9	Metal ions and phosphate binding in the H-N-H motif: Crystal structures of the nuclease domain of ColE7/Im7 in complex with a phosphate ion and different divalent metal ions. <i>Protein Science</i> , 2009, 11, 2947-2957.	7.6	51
10	Crystal structure of $\hat{\mu}$ -COP in complex with $\hat{\mu}$ -COP provides insight into the architecture of the COPI vesicular coat. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 11271-11276.	7.1	45
11	MZT Proteins Form Multi-Faceted Structural Modules in the $\hat{\beta}$ -Tubulin Ring Complex. <i>Cell Reports</i> , 2020, 31, 107791.	6.4	42
12	Crystal structural analysis and metal-dependent stability and activity studies of the ColE7 endonuclease domain in complex with DNA/Zn <sup>2+</sup> or inhibitor/Ni <sup>2+</sup> . <i>Protein Science</i> , 2006, 15, 269-280.	7.6	41
13	Regulation of mitotic spindle assembly factor NuMA by Importin- $\hat{\beta}$ . <i>Journal of Cell Biology</i> , 2017, 216, 3453-3462.	5.2	31
14	Isolation of an Insertion Sequence from <i>Ralstonia solanacearum</i> Race 1 and Its Potential Use for Strain Characterization and Detection. <i>Applied and Environmental Microbiology</i> , 2001, 67, 3943-3950.	3.1	18
15	Phase separation and zinc-induced transition modulate synaptic distribution and association of autism-linked CTTNBP2 and SHANK3. <i>Nature Communications</i> , 2022, 13, 2664.	12.8	17
16	Ran pathway-independent regulation of mitotic Golgi disassembly by Importin- $\hat{\beta}$ . <i>Nature Communications</i> , 2019, 10, 4307.	12.8	16
17	Promiscuous Binding of Microprotein Mozart1 to $\hat{\beta}$ -Tubulin Complex Mediates Specific Subcellular Targeting to Control Microtubule Array Formation. <i>Cell Reports</i> , 2020, 31, 107836.	6.4	15
18	More than a zip code: global modulation of cellular function by nuclear localization signals. <i>FEBS Journal</i> , 2021, 288, 5569-5585.	4.7	13

#	ARTICLE	IF	CITATIONS
19	Karyopherin Kap114-mediated trans-repression controls ribosomal gene expression under saline stress. <i>EMBO Reports</i> , 2020, 21, e48324.	4.5	11
20	Characterization of the membrane-coating Nup84 complex. <i>Nucleus</i> , 2010, 1, 150-157.	2.2	9
21	Characterization of the membrane-coating Nup84 complex: Paradigm for the nuclear pore complex structure. <i>Nucleus</i> , 2010, 1, 150-157.	2.2	9
22	Generation of FHL2 homozygous knockout lines from human embryonic stem cells by CRISPR/Cas9-mediated ablation. <i>Stem Cell Research</i> , 2018, 27, 21-24.	0.7	3
23	Microtubule polymerization in alignment by an on-chip temperature gradient platform. <i>Sensors and Actuators B: Chemical</i> , 2019, 298, 126813.	7.8	3
24	Asymmetric Friction of Non-Motor Maps can lead to their Directional Motion in Active Microtubule Networks. <i>Biophysical Journal</i> , 2015, 108, 450a.	0.5	1
25	Structural and functional insight into cell-defending non-specific nucleases. <i>Acta Crystallographica Section A: Foundations and Advances</i> , 2005, 61, c85-c85.	0.3	0
26	Asymmetric Force Response Reveals Mechanical Role in Spindle Protein Localization. <i>Biophysical Journal</i> , 2013, 104, 551a.	0.5	0