

Syun-Ru Yeh

List of Publications by Year in descending order

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66
papers

3,631
citations

117453

34
h-index

128067

60
g-index

67
all docs

67
docs citations

67
times ranked

3083
citing authors

#	ARTICLE	IF	CITATIONS
1	Assembly of ordered colloidal aggregates by electric-field-induced fluid flow. <i>Nature</i> , 1997, 386, 57-59.	13.7	348
2	Folding of cytochrome c initiated by submillisecond mixing. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 44-50.	3.6	218
3	Dynamics of .alpha.-CH Deprotonation and .alpha.-Desilylation Reactions of Tertiary Amine Cation Radicals. <i>Journal of the American Chemical Society</i> , 1994, 116, 4211-4220.	6.6	196
4	Structural insights into substrate and inhibitor binding sites in human indoleamine 2,3-dioxygenase 1. <i>Nature Communications</i> , 2017, 8, 1693.	5.8	129
5	Ligand exchange during cytochrome c folding. <i>Nature Structural and Molecular Biology</i> , 1997, 4, 51-56.	3.6	121
6	Human Tryptophan Dioxygenase: A Comparison to Indoleamine 2,3-Dioxygenase. <i>Journal of the American Chemical Society</i> , 2007, 129, 15690-15701.	6.6	121
7	CytochromecFolding and Unfolding: A Biphasic Mechanism. <i>Accounts of Chemical Research</i> , 1998, 31, 727-736.	7.6	114
8	Evidence for a ferryl intermediate in a heme-based dioxygenase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 17371-17376.	3.3	113
9	A Cooperative Oxygen Binding Hemoglobin from <i>Mycobacterium tuberculosis</i> . <i>Journal of Biological Chemistry</i> , 2000, 275, 1679-1684.	1.6	106
10	Ligand?protein interactions in nitric oxide synthase. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 306-323.	1.5	98
11	Structural and functional properties of hemoglobins from unicellular organisms as revealed by resonance Raman spectroscopy. <i>Journal of Inorganic Biochemistry</i> , 2005, 99, 72-96.	1.5	95
12	Flavohemoglobin, a Globin with a Peroxidase-like Catalytic Site. <i>Journal of Biological Chemistry</i> , 2001, 276, 7272-7277.	1.6	89
13	Unique Ligand^?Protein Interactions in a New Truncated Hemoglobin from <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 2002, 41, 3897-3905.	1.2	88
14	The Heme Environment of Recombinant Human Indoleamine 2,3-Dioxygenase. <i>Journal of Biological Chemistry</i> , 2002, 277, 15788-15794.	1.6	87
15	Model Studies of DNA Photorepair: Reduction Potentials of Thymine and Cytosine Cyclobutane Dimers Measured by Fluorescence Quenching. <i>Journal of the American Chemical Society</i> , 1997, 119, 1971-1977.	6.6	82
16	Inhibitory Substrate Binding Site of Human Indoleamine 2,3-Dioxygenase. <i>Journal of the American Chemical Society</i> , 2009, 131, 12866-12867.	6.6	80
17	Interactions between Nitric Oxide and Indoleamine 2,3-Dioxygenase. <i>Biochemistry</i> , 2006, 45, 8527-8538.	1.2	76
18	Molecular basis for catalysis and substrate-mediated cellular stabilization of human tryptophan 2,3-dioxygenase. <i>Scientific Reports</i> , 2016, 6, 35169.	1.6	74

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19	Snapshot of an oxygen intermediate in the catalytic reaction of cytochrome <i>c</i> oxidase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3572-3577.	3.3	70
20	Complete Reaction Mechanism of Indoleamine 2,3-Dioxygenase as Revealed by QM/MM Simulations. Journal of Physical Chemistry B, 2012, 116, 1401-1413.	1.2	68
21	Heme Distortion Modulated by Ligand-Protein Interactions in Inducible Nitric-oxide Synthase. Journal of Biological Chemistry, 2004, 279, 26489-26499.	1.6	66
22	Structural and Functional Properties of a Truncated Hemoglobin from a Food-borne Pathogen <i>Campylobacter jejuni</i> . Journal of Biological Chemistry, 2007, 282, 13627-13636.	1.6	65
23	The first step of the dioxygenation reaction carried out by tryptophan dioxygenase and indoleamine 2,3-dioxygenase as revealed by quantum mechanical/molecular mechanical studies. Journal of Biological Inorganic Chemistry, 2010, 15, 811-823.	1.1	53
24	Ligand Migration in the Truncated Hemoglobin-II from <i>Mycobacterium tuberculosis</i> . Journal of Biological Chemistry, 2009, 284, 3106-3116.	1.6	52
25	Crystal structure of CO-bound cytochrome <i>c</i> oxidase determined by serial femtosecond X-ray crystallography at room temperature. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 8011-8016.	3.3	51
26	Submillisecond Unfolding Kinetics of Apomyoglobin and its pH 4 Intermediate. Journal of Molecular Biology, 1999, 292, 731-740.	2.0	50
27	Ligand Exchange during Unfolding of Cytochrome <i>c</i> . Journal of Biological Chemistry, 1999, 274, 17853-17859.	1.6	42
28	The Absence of Proximal Strain in the Truncated Hemoglobins from <i>Mycobacterium tuberculosis</i> . Journal of the American Chemical Society, 2004, 126, 2682-2683.	6.6	42
29	Molecular Basis for the Substrate Stereoselectivity in Tryptophan Dioxygenase. Biochemistry, 2011, 50, 10910-10918.	1.2	42
30	Substrate-Protein Interaction in Human Tryptophan Dioxygenase: The Critical Role of H76. Journal of the American Chemical Society, 2009, 131, 3260-3270.	6.6	40
31	Purification and Spectroscopic Characterization of Ctb, a Group III Truncated Hemoglobin Implicated in Oxygen Metabolism in the Food-Borne Pathogen <i>Campylobacter jejuni</i> . Biochemistry, 2006, 45, 6003-6011.	1.2	39
32	Mapping the Binding Trajectory of a Suicide Inhibitor in Human Indoleamine 2,3-Dioxygenase 1. Journal of the American Chemical Society, 2018, 140, 14538-14541.	6.6	39
33	Diaryl hydroxylamines as pan or dual inhibitors of indoleamine 2,3-dioxygenase-1, indoleamine 2,3-dioxygenase-2 and tryptophan dioxygenase. European Journal of Medicinal Chemistry, 2019, 162, 455-464.	2.6	37
34	Hierarchical Folding of Intestinal Fatty Acid Binding Protein. Biochemistry, 2001, 40, 4205-4210.	1.2	36
35	Design and Evaluation of a Passive Alcove-Based Microfluidic Mixer. Analytical Chemistry, 2009, 81, 1622-1627.	3.2	36
36	Substrate stereospecificity in tryptophan dioxygenase and indoleamine 2,3-dioxygenase. Proteins: Structure, Function and Bioinformatics, 2010, 78, 2961-2972.	1.5	35

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37	Spectroscopic Studies of Ligand and Substrate Binding to Human Indoleamine 2,3-Dioxygenase. <i>Biochemistry</i> , 2010, 49, 5028-5034.	1.2	35
38	Inhibition Mechanisms of Human Indoleamine 2,3 Dioxygenase 1. <i>Journal of the American Chemical Society</i> , 2018, 140, 8518-8525.	6.6	35
39	O-alkylhydroxylamines as rationally-designed mechanism-based inhibitors of indoleamine 2,3-dioxygenase-1. <i>European Journal of Medicinal Chemistry</i> , 2016, 108, 564-576.	2.6	33
40	Regulation of the Monomer-Dimer Equilibrium in Inducible Nitric-oxide Synthase by Nitric Oxide*. <i>Journal of Biological Chemistry</i> , 2006, 281, 8197-8204.	1.6	31
41	NO Binding Induced Conformational Changes in a Truncated Hemoglobin from <i>Mycobacterium tuberculosis</i> . <i>Biochemistry</i> , 2004, 43, 2764-2770.	1.2	30
42	Structural and Functional Properties of a Single Domain Hemoglobin from the Food-borne Pathogen <i>Campylobacter jejuni</i> . <i>Journal of Biological Chemistry</i> , 2007, 282, 25917-25928.	1.6	28
43	Redox-Controlled Proton Gating in Bovine Cytochrome c Oxidase. <i>PLoS ONE</i> , 2013, 8, e63669.	1.1	27
44	Indoleamine 2,3-dioxygenase (IDO) 1 and IDO 2 activity and severe course of COVID-19. <i>Journal of Pathology</i> , 2022, 256, 256-261.	2.1	26
45	Proton translocation in cytochrome c oxidase: Insights from proton exchange kinetics and vibrational spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 98-108.	0.5	24
46	Hemoglobins from <i>Mycobacterium tuberculosis</i> and <i>Campylobacter jejuni</i> : A Comparative Study with Resonance Raman Spectroscopy. <i>Methods in Enzymology</i> , 2008, 437, 255-286.	0.4	22
47	Structural Basis of Inhibitor Selectivity in Human Indoleamine 2,3-Dioxygenase 1 and Tryptophan Dioxygenase. <i>Journal of the American Chemical Society</i> , 2019, 141, 18771-18779.	6.6	22
48	Hierarchical folding of cytochrome c. <i>Nature Structural Biology</i> , 2000, 7, 443-445.	9.7	21
49	Structural Study of a Flexible Active Site Loop in Human Indoleamine 2,3-Dioxygenase and Its Functional Implications. <i>Biochemistry</i> , 2016, 55, 2785-2793.	1.2	21
50	Ligand and Substrate Migration in Human Indoleamine 2,3-Dioxygenase. <i>Journal of Biological Chemistry</i> , 2009, 284, 31548-31554.	1.6	20
51	Modulation of the Folding Energy Landscape of Cytochromecwith Salt. <i>Journal of the American Chemical Society</i> , 2004, 126, 13934-13935.	6.6	19
52	Ferryl Derivatives of Human Indoleamine 2,3-Dioxygenase. <i>Journal of Biological Chemistry</i> , 2011, 286, 21220-21230.	1.6	19
53	Applications of photothermal beam deflection calorimetry to organic photochemistry. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1995, 87, 13-21.	2.0	15
54	Design and implementation of a rapid-mixer flow cell for time-resolved infrared microspectroscopy. <i>Review of Scientific Instruments</i> , 2000, 71, 4057.	0.6	14

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55	Substrate-Ligand Interactions in <i>Geobacillus stearothermophilus</i> Nitric Oxide Synthase. <i>Biochemistry</i> , 2008, 47, 12389-12397.	1.2	14
56	Model Studies of DNA Photorepair: Enthalpy of Cleavage of a Pyrimidine Dimer Measured by Photothermal Beam Deflection Calorimetry. <i>Photochemistry and Photobiology</i> , 1996, 64, 764-768.	1.3	12
57	A Comparative Analysis of the Effector Role of Redox Partner Binding in Bacterial P450s. <i>Biochemistry</i> , 2016, 55, 6517-6523.	1.2	11
58	Conformational Plasticity in Human Heme-Based Dioxygenases. <i>Journal of the American Chemical Society</i> , 2021, 143, 1836-1845.	6.6	11
59	A Novel Intersubunit Communication Mechanism in a Truncated Hemoglobin from <i>Mycobacterium tuberculosis</i> . <i>Journal of Physical Chemistry B</i> , 2004, 108, 1478-1484.	1.2	10
60	Conformational coupling between the active site and residues within the KC-channel of the <i>Vibrio cholerae</i> cbb3-type (C-family) oxygen reductase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, E4419-E4428.	3.3	8
61	The two transmembrane helices of CcoP are sufficient for assembly of the cbb3-type heme-copper oxygen reductase from <i>Vibrio cholerae</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2015, 1847, 1231-1239.	0.5	8
62	Temperature-dependent structural transition following X-ray-induced metal center reduction in oxidized cytochrome c oxidase. <i>Journal of Biological Chemistry</i> , 2022, 298, 101799.	1.6	7
63	Interactions of CuB with Carbon Monoxide in Cytochrome c Oxidase: Origin of the Anomalous Correlation between the Fe-CO and Ca-O Stretching Frequencies. <i>Journal of Physical Chemistry B</i> , 2015, 119, 8509-8520.	1.2	4
64	Ligand-Protein Interactions in Mammalian Nitric Oxide Synthase. , 2008, , 465-497.		4
65	Microbial Hemoglobins. , 2008, , 235-266.		1
66	CHAPTER 9. Structure, Function and Regulation of Human Heme-based Dioxygenases. 2-Oxoglutarate-Dependent Oxygenases, 2018, , 181-221.	0.8	1