Syun-Ru Yeh

List of Publications by Year
in descending order

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	Indoleamine 2,3â€dioxygenase (<scp>IDO</scp>)â€1 and <scp>IDO</scp>â€2 activity and severe course of <scp>COVID</scp>â€19. Journal of Pathology, 2022, 256, 256-261.	2.1	26
2	Temperature-dependent structural transition following X-ray-induced metal center reduction in oxidized cytochrome c oxidase. Journal of Biological Chemistry, 2022, 298, 101799.	1.6	7
3	Conformational Plasticity in Human Heme-Based Dioxygenases. Journal of the American Chemical Society, 2021, 143, 1836-1845.	6.6	11
4	Structural Basis of Inhibitor Selectivity in Human Indoleamine 2,3-Dioxygenase 1 and Tryptophan Dioxygenase. Journal of the American Chemical Society, 2019, 141, 18771-18779.	6.6	22
5	Snapshot of an oxygen intermediate in the catalytic reaction of cytochromecoxidase. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 3572-3577.	3.3	70
6	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
7	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
8	Inhibition Mechanisms of Human Indoleamine 2,3 Dioxygenase 1. Journal of the American Chemical Society, 2018, 140, 8518-8525.	6.6	35
9	CHAPTER 9. Structure, Function and Regulation of Human Heme-based Dioxygenases. 2-Oxoglutarate-Dependent Oxygenases, 2018, , 181-221.	0.8	1
10	Structural insights into substrate and inhibitor binding sites in human indoleamine 2,3-dioxygenase 1. Nature Communications, 2017, 8, 1693.	5.8	129
11	Crystal structure of CO-bound cytochrome c 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
12	Structural Study of a Flexible Active Site Loop in Human Indoleamine 2,3-Dioxygenase and Its Functional Implications. Biochemistry, 2016, 55, 2785-2793.	1.2	21
13	A Comparative Analysis of the Effector Role of Redox Partner Binding in Bacterial P450s. Biochemistry, 2016, 55, 6517-6523.	1.2	11
14	Molecular basis for catalysis and substrate-mediated cellular stabilization of human tryptophan 2,3-dioxygenase. Scientific Reports, 2016, 6, 35169.	1.6	74
15	O-alkylhydroxylamines as rationally-designed mechanism-based inhibitors of indoleamine 2,3-dioxygenase-1. European Journal of Medicinal Chemistry, 2016, 108, 564-576.	2.6	33
16	The two transmembrane helices of CcoP are sufficient for assembly of the cbb3-type heme-copper oxygen reductase from Vibrio cholerae. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 1231-1239.	0.5	8
17	Interactions of CuB with Carbon Monoxide in Cytochrome c Oxidase: Origin of the Anomalous Correlation between the Feâ€“CO and Câ€“O Stretching Frequencies. Journal of Physical Chemistry B, 2015, 119, 8509-8520.	1.2	4
18	Proton translocation in cytochrome c oxidase: Insights from proton exchange kinetics and vibrational spectroscopy. Biochimica Et Biophysica Acta - Bioenergetics, 2015, 1847, 98-108.	0.5	24

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19	Conformational coupling between the active site and residues within the KC-channel of theVibrio cholerae cbb3-type (C-family) oxygen reductase. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, E4419-E4428.	3.3	8
20	Redox-Controlled Proton Gating in Bovine Cytochrome c Oxidase. PLoS ONE, 2013, 8, e63669.	1.1	27
21	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
22	Molecular Basis for the Substrate Stereoselectivity in Tryptophan Dioxygenase. Biochemistry, 2011, 50, 10910-10918.	1.2	42
23	Ferryl Derivatives of Human Indoleamine 2,3-Dioxygenase. Journal of Biological Chemistry, 2011, 286, 21220-21230.	1.6	19
24	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
25	Substrate stereoâ€specificity in tryptophan dioxygenase and indoleamine 2,3â€dioxygenase. Proteins: Structure, Function and Bioinformatics, 2010, 78, 2961-2972.	1.5	35
26	Spectroscopic Studies of Ligand and Substrate Binding to Human Indoleamine 2,3-Dioxygenase. Biochemistry, 2010, 49, 5028-5034.	1.2	35
27	Ligand Migration in the Truncated Hemoglobin-II from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2009, 284, 3106-3116.	1.6	52
28	Ligand and Substrate Migration in Human Indoleamine 2,3-Dioxygenase. Journal of Biological Chemistry, 2009, 284, 31548-31554.	1.6	20
29	Evidence for a ferryl intermediate in a heme-based dioxygenase. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 17371-17376.	3.3	113
30	Inhibitory Substrate Binding Site of Human Indoleamine 2,3-Dioxygenase. Journal of the American Chemical Society, 2009, 131, 12866-12867.	6.6	80
31	Substrateâ”Protein Interaction in Human Tryptophan Dioxygenase: The Critical Role of H76. Journal of the American Chemical Society, 2009, 131, 3260-3270.	6.6	40
32	Design and Evaluation of a Passive Alcove-Based Microfluidic Mixer. Analytical Chemistry, 2009, 81, 1622-1627.	3.2	36
33	Microbial Hemoglobins. , 2008, , 235-266.		1
34	Substrateâ”Ligand Interactions in Geobacillus stearothermophilus Nitric Oxide Synthase. Biochemistry, 2008, 47, 12389-12397.	1.2	14
35	Hemoglobins from Mycobacterium tuberculosis and Campylobacter jejuni: A Comparative Study with Resonance Raman Spectroscopy. Methods in Enzymology, 2008, 437, 255-286.	0.4	22
36	Ligand-Protein Interactions in Mammalian Nitric Oxide Synthase. , 2008, , 465-497.		4

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37	Structural and Functional Properties of a Single Domain Hemoglobin from the Food-borne Pathogen Campylobactor jejuni. Journal of Biological Chemistry, 2007, 282, 25917-25928.	1.6	28
38	Structural and Functional Properties of a Truncated Hemoglobin from a Food-borne Pathogen Campylobacter jejuni. Journal of Biological Chemistry, 2007, 282, 13627-13636.	1.6	65
39	Human Tryptophan Dioxygenase:â€‰ A Comparison to Indoleamine 2,3-Dioxygenase. Journal of the American Chemical Society, 2007, 129, 15690-15701.	6.6	121
40	Interactions between Nitric Oxide and Indoleamine 2,3-Dioxygenaseâ€. Biochemistry, 2006, 45, 8527-8538.	1.2	76
41	Purification and Spectroscopic Characterization of Ctb, a Group III Truncated Hemoglobin Implicated in Oxygen Metabolism in the Food-Borne PathogenCampylobacter jejuniâ€. Biochemistry, 2006, 45, 6003-6011.	1.2	39
42	Regulation of the Monomer-Dimer Equilibrium in Inducible Nitric-oxide Synthase by Nitric Oxide*. Journal of Biological Chemistry, 2006, 281, 8197-8204.	1.6	31
43	Structural and functional properties of hemoglobins from unicellular organisms as revealed by resonance Raman spectroscopy. Journal of Inorganic Biochemistry, 2005, 99, 72-96.	1.5	95
44	Ligand?protein interactions in nitric oxide synthase. Journal of Inorganic Biochemistry, 2005, 99, 306-323.	1.5	98
45	Heme Distortion Modulated by Ligand-Protein Interactions in Inducible Nitric-oxide Synthase. Journal of Biological Chemistry, 2004, 279, 26489-26499.	1.6	66
46	A Novel Intersubunit Communication Mechanism in a Truncated Hemoglobin from Mycobacterium tuberculosis. Journal of Physical Chemistry B, 2004, 108, 1478-1484.	1.2	10
47	NO Binding Induced Conformational Changes in a Truncated Hemoglobin fromMycobacterium tuberculosisâ€. Biochemistry, 2004, 43, 2764-2770.	1.2	30
48	The Absence of Proximal Strain in the Truncated Hemoglobins fromMycobacterium tuberculosis. Journal of the American Chemical Society, 2004, 126, 2682-2683.	6.6	42
49	Modulation of the Folding Energy Landscape of Cytochromecwith Salt. Journal of the American Chemical Society, 2004, 126, 13934-13935.	6.6	19
50	Unique Ligandâ^'Protein Interactions in a New Truncated Hemoglobin fromMycobacterium tuberculosisâ€. Biochemistry, 2002, 41, 3897-3905.	1.2	88
51	The Heme Environment of Recombinant Human Indoleamine 2,3-Dioxygenase. Journal of Biological Chemistry, 2002, 277, 15788-15794.	1.6	87
52	Hierarchical Folding of Intestinal Fatty Acid Binding Proteinâ€. Biochemistry, 2001, 40, 4205-4210.	1.2	36
53	Flavohemoglobin, a Globin with a Peroxidase-like Catalytic Site. Journal of Biological Chemistry, 2001, 276, 7272-7277.	1.6	89
54	Design and implementation of a rapid-mixer flow cell for time-resolved infrared microspectroscopy. Review of Scientific Instruments, 2000, 71, 4057.	0.6	14

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55	Hierarchical folding of cytochrome c. Nature Structural Biology, 2000, 7, 443-445.	9.7	21
56	A Cooperative Oxygen Binding Hemoglobin from Mycobacterium tuberculosis. Journal of Biological Chemistry, 2000, 275, 1679-1684.	1.6	106
57	Ligand Exchange during Unfolding of Cytochrome c. Journal of Biological Chemistry, 1999, 274, 17853-17859.	1.6	42
58	Submillisecond Unfolding Kinetics of Apomyoglobin and its pHÂ4 Intermediate. Journal of Molecular Biology, 1999, 292, 731-740.	2.0	50
59	CytochromecFolding and Unfolding:Â A Biphasic Mechanism. Accounts of Chemical Research, 1998, 31, 727-736.	7.6	114
60	Model Studies of DNA Photorepair:Â Reduction Potentials of Thymine and Cytosine Cyclobutane Dimers Measured by Fluorescence Quenching. Journal of the American Chemical Society, 1997, 119, 1971-1977.	6.6	82
61	Folding of cytochrome c initiated by submillisecond mixing. Nature Structural and Molecular Biology, 1997, 4, 44-50.	3.6	218
62	Ligand exchange during cytochrome c folding. Nature Structural and Molecular Biology, 1997, 4, 51-56.	3.6	121
63	Assembly of ordered colloidal aggregrates by electric-field-induced fluid flow. Nature, 1997, 386, 57-59.	13.7	348
64	Model Studies of DNA Photorepair: Enthalpy of Cleavage of a Pyrimidine Dimer Measured by Photothermal Beam Deflection Calorimetry. Photochemistry and Photobiology, 1996, 64, 764-768.	1.3	12
65	Applications of photothermal beam deflection calorimetry to organic photochemistry. Journal of Photochemistry and Photobiology A: Chemistry, 1995, 87, 13-21.	2.0	15
66	Dynamics of .alpha.-CH Deprotonation and .alpha.-Desilylation Reactions of Tertiary Amine Cation Radicals. Journal of the American Chemical Society, 1994, 116, 4211-4220.	6.6	196