

# Felix M Ho

## List of Publications by Year in descending order

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Version: 2024-02-01

42  
papers

945  
citations

516710

16  
h-index

454955

30  
g-index

43  
all docs

43  
docs citations

43  
times ranked

880  
citing authors

#	ARTICLE	IF	CITATIONS
1	Access channels and methanol binding site to the CaMn <sub>4</sub> cluster in Photosystem II based on solvent accessibility simulations, with implications for substrate water access. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 140-153.	1.0	151
2	Water in Photosystem II: Structural, functional and mechanistic considerations. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2014, 1837, 14-32.	1.0	75
3	Parameters Important in Fabricating Enzyme Electrodes Using Self-Assembled Monolayers of Alkanethiols.. <i>Analytical Sciences</i> , 2001, 17, 3-9.	1.6	73
4	Uncovering channels in photosystem II by computer modelling: current progress, future prospects, and lessons from analogous systems. <i>Photosynthesis Research</i> , 2008, 98, 503-522.	2.9	61
5	Transcription of a silent cyanobacterial <i>psbA</i> gene is induced by microaerobic conditions. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 105-112.	1.0	55
6	Protein engineering of $\alpha$ -ketoisovalerate decarboxylase for improved isobutanol production in <i>Synechocystis</i> PCC 6803. <i>Metabolic Engineering</i> , 2018, 47, 42-48.	7.0	42
7	<i>Journal of Chemical Education</i> Call for Papers "Special Issue on Reimagining Chemistry Education: Systems Thinking, and Green and Sustainable Chemistry. <i>Journal of Chemical Education</i> , 2018, 95, 1689-1691.	2.3	42
8	Metalloradical EPR Signals from the YZ $\dot{A}$ -S-State Intermediates in Photosystem II. <i>Applied Magnetic Resonance</i> , 2010, 37, 151-176.	1.2	35
9	Can Chemistry Be a Central Science without Systems Thinking?. <i>Journal of Chemical Education</i> , 2019, 96, 2679-2681.	2.3	34
10	Covariational reasoning and mathematical narratives: investigating students' understanding of graphs in chemical kinetics. <i>Chemistry Education Research and Practice</i> , 2019, 20, 107-119.	2.5	34
11	Structural and mechanistic investigations of photosystem II through computational methods. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2012, 1817, 106-120.	1.0	32
12	Split EPR Signals from Photosystem II Are Modified by Methanol, Reflecting S State-Dependent Binding and Alterations in the Magnetic Coupling in the CaMn <sub>4</sub> Cluster. <i>Biochemistry</i> , 2006, 45, 7617-7627.	2.5	30
13	Formation Spectra of the EPR Split Signals from the S <sub>0</sub> , S <sub>1</sub> , and S <sub>3</sub> States in Photosystem II Induced by Monochromatic Light at 5 K. <i>Biochemistry</i> , 2007, 46, 10703-10712.	2.5	28
14	Future Directions for Systems Thinking in Chemistry Education: Putting the Pieces Together. <i>Journal of Chemical Education</i> , 2019, 96, 3000-3005.	2.3	26
15	Turning around the electron flow in an uptake hydrogenase. EPR spectroscopy and in vivo activity of a designed mutant in HupSL from <i>Nostoc punctiforme</i> . <i>Energy and Environmental Science</i> , 2016, 9, 581-594.	30.8	24
16	Turning Challenges into Opportunities for Promoting Systems Thinking through Chemistry Education. <i>Journal of Chemical Education</i> , 2019, 96, 2764-2776.	2.3	20
17	Modeling Photosystem I with the alternative reaction center protein PsaB2 in the nitrogen fixing cyanobacterium <i>Nostoc punctiforme</i> . <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 1152-1161.	1.0	18
18	Direct quantification of the four individual S states in Photosystem II using EPR spectroscopy. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 496-503.	1.0	17

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19	Visible Light Induction of an Electron Paramagnetic Resonance Split Signal in Photosystem II in the S2 State Reveals the Importance of Charges in the Oxygen-Evolving Center during Catalysis: A Unifying Model. <i>Biochemistry</i> , 2012, 51, 2054-2064.	2.5	15
20	The formation of the split EPR signal from the S3 state of Photosystem II does not involve primary charge separation. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2011, 1807, 11-21.	1.0	14
21	A strand exchange FRET assay for DNA. <i>Biosensors and Bioelectronics</i> , 2004, 20, 1001-1010.	10.1	13
22	Differential biochemical properties of three canonical Dps proteins from the cyanobacterium <i>Nostoc punctiforme</i> suggest distinct cellular functions. <i>Journal of Biological Chemistry</i> , 2018, 293, 16635-16646.	3.4	13
23	The S1 split signal of photosystem II; a tyrosine-manganese coupled interaction. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2009, 1787, 882-889.	1.0	12
24	Comparison and Evaluation of Learning Outcomes from an International Perspective: Development of a Best-Practice Process. <i>Journal of Chemical Education</i> , 2015, 92, 427-432.	2.3	12
25	Tyrosine D oxidation and redox equilibrium in photosystem II. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 407-417.	1.0	10
26	Class I d ribonucleotide reductase utilizes a Mn <sup>2(IV,III)</sup> cofactor and undergoes large conformational changes on metal loading. <i>Journal of Biological Inorganic Chemistry</i> , 2019, 24, 863-877.	2.6	10
27	Systems Thinking and Sustainability. <i>Chemistry International</i> , 2021, 43, 6-10.	0.3	9
28	Split Electron Paramagnetic Resonance Signal Induction in Photosystem II Suggests Two Binding Sites in the S <sub>2</sub> State for the Substrate Analogue Methanol. <i>Biochemistry</i> , 2013, 52, 3669-3677.	2.5	8
29	Reforms in pedagogy and the Confucian tradition: looking below the surface. <i>Cultural Studies of Science Education</i> , 2018, 13, 133-145.	1.3	7
30	The Dps4 from <i>Nostoc punctiforme</i> ATCC 29133 is a member of His-type FOC containing Dps protein class that can be broadly found among cyanobacteria. <i>PLoS ONE</i> , 2019, 14, e0218300.	2.5	7
31	Enhancement of YD spin relaxation by the CaMn <sub>4</sub> cluster in photosystem II detected at room temperature: A new probe for the S-cycle. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2007, 1767, 5-14.	1.0	5
32	The protonation state around Tyr D /Tyr D in photosystem II is reflected in its biphasic oxidation kinetics. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2017, 1858, 147-155.	1.0	5
33	Substrate and Product Channels in Photosystem II. <i>RSC Energy and Environment Series</i> , 2011, , 208-248.	0.5	4
34	Graphs: Working with Models at the Crossroad between Chemistry and Mathematics. <i>ACS Symposium Series</i> , 2019, , 47-67.	0.5	2
35	Molecular Dynamics Simulations of a Putative H <sup>+</sup> Pathway in Photosystem II. <i>Advanced Topics in Science and Technology in China</i> , 2013, , 222-226.	0.1	1
36	International Comparisons of Tertiary Chemistry Education: A Best-Practice Approach for Development and Quality Enhancement. <i>Chemistry International</i> , 2016, 38, .	0.3	0

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37	The Mechanism Behind the Formation of the $\Delta$ -Split S3-EPR Signal in Photosystem II Induced by Visible or Near-Infrared Light. , 2008, , 423-426.		0
38	Access Channels and Methanol Binding Site to the CaMn4 Cluster in Photosystem II Based on Solvent Accessibility Simulations, with Implications for Substrate Water Access. , 2008, , 431-435.		0
39	Title is missing!. , 2019, 14, e0218300.		0
40	Title is missing!. , 2019, 14, e0218300.		0
41	Title is missing!. , 2019, 14, e0218300.		0
42	Title is missing!. , 2019, 14, e0218300.		0