

# H Christopher Fry

## List of Publications by Year in descending order

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27  
papers

930  
citations

516710

16  
h-index

580821

25  
g-index

27  
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27  
docs citations

27  
times ranked

1356  
citing authors

#	ARTICLE	IF	CITATIONS
1	Covalent Linkage and Macrocyclization Preserve and Enhance Synergistic Interactions in Catalytic Amyloids. <i>ChemBioChem</i> , 2021, 22, 585-591.	2.6	3
2	Pushing and Pulling: A Dual pH Trigger Controlled by Varying the Alkyl Tail Length in Heme Coordinating Peptide Amphiphiles. <i>Journal of Physical Chemistry B</i> , 2021, 125, 1317-1330.	2.6	5
3	Photoinduced Charge Transfer with a Small Driving Force Facilitated by Exciplex-like Complex Formation in Metal-Organic Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 15286-15297.	13.7	30
4	Morphological Control of Chromophore Spin State in Zinc Porphyrin-Peptide Assemblies. <i>Journal of the American Chemical Society</i> , 2020, 142, 233-241.	13.7	14
5	A Quantum Dot Nanobiosensor for Rapid Detection of Botulinum Neurotoxin Serotype E. <i>ACS Sensors</i> , 2020, 5, 2118-2127.	7.8	12
6	Energy Transfer Induced by Dye Encapsulation in a Hybrid Nanoparticle-Purple Membrane Reversible Assembly. <i>Advanced Functional Materials</i> , 2019, 29, 1904899.	14.9	8
7	Wavelength-Dependent Energy and Charge Transfer in MOF: A Step toward Artificial Porous Light-Harvesting System. <i>Journal of the American Chemical Society</i> , 2019, 141, 16849-16857.	13.7	93
8	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 4896-4900.	13.8	41
9	Diverse Bilayer Morphologies Achieved via $\alpha$ -Helix-to- $\beta$ -Sheet Transitions in a Short Amphiphilic Peptide. <i>Langmuir</i> , 2019, 35, 8961-8967.	3.5	4
10	Microenvironment control of porphyrin binding, organization, and function in peptide nanofiber assemblies. <i>Nanoscale</i> , 2019, 11, 5412-5421.	5.6	6
11	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. <i>Angewandte Chemie</i> , 2019, 131, 4950-4954.	2.0	12
12	Control of Heme Coordination and Catalytic Activity by Conformational Changes in Peptide-Amphiphile Assemblies. <i>Journal of the American Chemical Society</i> , 2017, 139, 8497-8507.	13.7	64
13	Detection and Quantification of Biologically Active Botulinum Neurotoxin Serotypes A and B Using a Förster Resonance Energy Transfer-Based Quantum Dot Nanobiosensor. <i>ACS Applied Materials &amp; Interfaces</i> , 2017, 9, 31446-31457.	8.0	22
14	Tailorable Exciton Transport in Doped Peptide-Amphiphile Assemblies. <i>ACS Nano</i> , 2017, 11, 9112-9118.	14.6	19
15	Supramolecular control of heme binding and electronic states in multi-heme peptide assemblies. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6725-6730.	2.8	7
16	Water ordering controls the dynamic equilibrium of micelle-fibre formation in self-assembly of peptide amphiphiles. <i>Nature Communications</i> , 2016, 7, 12367.	12.8	55
17	Photoinduced Electron Transfer Elicits a Change in the Static Dielectric Constant of a <i>de Novo</i> Designed Protein. <i>Journal of the American Chemical Society</i> , 2016, 138, 2130-2133.	13.7	22
18	Peptide Conjugates for Directing the Morphology and Assembly of 1D Nanoparticle Superstructures. <i>Chemistry - A European Journal</i> , 2014, 20, 941-945.	3.3	29

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19	Photoinitiated charge separation in a hybrid titanium dioxide metalloporphyrin peptide material. <i>Nature Communications</i> , 2014, 5, 4606.	12.8	23
20	Computational de Novo Design and Characterization of a Protein That Selectively Binds a Highly Hyperpolarizable Abiological Chromophore. <i>Journal of the American Chemical Society</i> , 2013, 135, 13914-13926.	13.7	55
21	Self-Assembly of Highly Ordered Peptide Amphiphile Metalloporphyrin Arrays. <i>Journal of the American Chemical Society</i> , 2012, 134, 14646-14649.	13.7	87
22	Computational Design and Elaboration of a de Novo Heterotetrameric $\alpha$ -Helical Protein That Selectively Binds an Emissive Abiological (Porphinato)zinc Chromophore. <i>Journal of the American Chemical Society</i> , 2010, 132, 3997-4005.	13.7	54
23	De Novo Design and Molecular Assembly of a Transmembrane Diporphyrin-Binding Protein Complex. <i>Journal of the American Chemical Society</i> , 2010, 132, 15516-15518.	13.7	110
24	Using $\alpha$ -Helical Coiled-Coils to Design Nanostructured Metalloporphyrin Arrays. <i>Journal of the American Chemical Society</i> , 2008, 130, 11921-11927.	13.7	63
25	De Novo Design of a Single-Chain Diphenylporphyrin Metalloprotein. <i>Journal of the American Chemical Society</i> , 2007, 129, 10732-10740.	13.7	90
26	Peptide-assisted supramolecular polymerization of the anionic porphyrin meso-tetra(4-sulfonatophenyl)porphine. <i>Peptide Science</i> , 0, , .	1.8	1
27	Designing 1D multitheme peptide amphiphile assemblies reminiscent of natural systems. <i>Nanoscale</i> , 0, , .	5.6	1