

H Christopher Fry

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

930
citations

516710

16
h-index

580821

25
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27
all docs

27
docs citations

27
times ranked

1356
citing authors

#	ARTICLE	IF	CITATIONS
1	De Novo Design and Molecular Assembly of a Transmembrane Diporphyrin-Binding Protein Complex. Journal of the American Chemical Society, 2010, 132, 15516-15518.	13.7	110
2	Wavelength-Dependent Energy and Charge Transfer in MOF: A Step toward Artificial Porous Light-Harvesting System. Journal of the American Chemical Society, 2019, 141, 16849-16857.	13.7	93
3	De Novo Design of a Single-Chain Diphenylporphyrin Metalloprotein. Journal of the American Chemical Society, 2007, 129, 10732-10740.	13.7	90
4	Self-Assembly of Highly Ordered Peptide Amphiphile Metalloporphyrin Arrays. Journal of the American Chemical Society, 2012, 134, 14646-14649.	13.7	87
5	Control of Heme Coordination and Catalytic Activity by Conformational Changes in Peptide- α -Amphiphile Assemblies. Journal of the American Chemical Society, 2017, 139, 8497-8507.	13.7	64
6	Using α -Helical Coiled-Coils to Design Nanostructured Metalloporphyrin Arrays. Journal of the American Chemical Society, 2008, 130, 11921-11927.	13.7	63
7	Computational de Novo Design and Characterization of a Protein That Selectively Binds a Highly Hyperpolarizable Abiological Chromophore. Journal of the American Chemical Society, 2013, 135, 13914-13926.	13.7	55
8	Water ordering controls the dynamic equilibrium of micelle-fibre formation in self-assembly of peptide amphiphiles. Nature Communications, 2016, 7, 12367.	12.8	55
9	Computational Design and Elaboration of a de Novo Heterotetrameric α -Helical Protein That Selectively Binds an Emissive Abiological (Porphinato)zinc Chromophore. Journal of the American Chemical Society, 2010, 132, 3997-4005.	13.7	54
10	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. Angewandte Chemie - International Edition, 2019, 58, 4896-4900.	13.8	41
11	Photoinduced Charge Transfer with a Small Driving Force Facilitated by Exciplex-like Complex Formation in Metal-Organic Frameworks. Journal of the American Chemical Society, 2021, 143, 15286-15297.	13.7	30
12	Peptide Conjugates for Directing the Morphology and Assembly of 1D Nanoparticle Superstructures. Chemistry - A European Journal, 2014, 20, 941-945.	3.3	29
13	Photoinitiated charge separation in a hybrid titanium dioxide metalloporphyrin peptide material. Nature Communications, 2014, 5, 4606.	12.8	23
14	Photoinduced Electron Transfer Elicits a Change in the Static Dielectric Constant of a <i>de Novo</i> Designed Protein. Journal of the American Chemical Society, 2016, 138, 2130-2133.	13.7	22
15	Detection and Quantification of Biologically Active Botulinum Neurotoxin Serotypes A and B Using a Förster Resonance Energy Transfer-Based Quantum Dot Nanobiosensor. ACS Applied Materials & Interfaces, 2017, 9, 31446-31457.	8.0	22
16	Tailorable Exciton Transport in Doped Peptide- α -Amphiphile Assemblies. ACS Nano, 2017, 11, 9112-9118.	14.6	19
17	Morphological Control of Chromophore Spin State in Zinc Porphyrin- α -Peptide Assemblies. Journal of the American Chemical Society, 2020, 142, 233-241.	13.7	14
18	Light-Gated Synthetic Protocells for Plasmon-Enhanced Chemiosmotic Gradient Generation and ATP Synthesis. Angewandte Chemie, 2019, 131, 4950-4954.	2.0	12

#	ARTICLE	IF	CITATIONS
19	A Quantum Dot Nanobiosensor for Rapid Detection of Botulinum Neurotoxin Serotype E. ACS Sensors, 2020, 5, 2118-2127.	7.8	12
20	Energy Transfer Induced by Dye Encapsulation in a Hybrid Nanoparticle-Purple Membrane Reversible Assembly. Advanced Functional Materials, 2019, 29, 1904899.	14.9	8
21	Supramolecular control of heme binding and electronic states in multi-heme peptide assemblies. Organic and Biomolecular Chemistry, 2017, 15, 6725-6730.	2.8	7
22	Microenvironment control of porphyrin binding, organization, and function in peptide nanofiber assemblies. Nanoscale, 2019, 11, 5412-5421.	5.6	6
23	Pushing and Pulling: A Dual pH Trigger Controlled by Varying the Alkyl Tail Length in Heme Coordinating Peptide Amphiphiles. Journal of Physical Chemistry B, 2021, 125, 1317-1330.	2.6	5
24	Diverse Bilayer Morphologies Achieved via α -Helix-to- β -Sheet Transitions in a Short Amphiphilic Peptide. Langmuir, 2019, 35, 8961-8967.	3.5	4
25	Covalent Linkage and Macrocyclization Preserve and Enhance Synergistic Interactions in Catalytic Amyloids. ChemBioChem, 2021, 22, 585-591.	2.6	3
26	Peptide-assisted supramolecular polymerization of the anionic porphyrin meso-tetra(4-sulfonatophenyl)porphine. Peptide Science, 0, , .	1.8	1
27	Designing 1D multiheme peptide amphiphile assemblies reminiscent of natural systems. Nanoscale, 0, , .	5.6	1