

Sylvain Engilberge

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

607
citations

567281

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642732

23
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36
all docs

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docs citations

36
times ranked

875
citing authors

#	ARTICLE	IF	CITATIONS
1	Protein recognition by cucurbit[6]uril: high affinity N-terminal complexation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 837-844.	2.8	6
2	Facile Fabrication of Protein-Macrocycle Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 1896-1907.	13.7	39
3	Protein-macrocycle framework engineering: supramolecular copolymerisation with two disparate calixarenes. <i>Supramolecular Chemistry</i> , 2021, 33, 122-128.	1.2	3
4	Crystal structure of a key enzyme for anaerobic ethane activation. <i>Science</i> , 2021, 373, 118-121.	12.6	27
5	Biochemical, structural and dynamical studies reveal strong differences in the thermal-dependent allosteric behavior of two extremophilic lactate dehydrogenases. <i>Journal of Structural Biology</i> , 2021, 213, 107769.	2.8	4
6	Segregated Protein-Cucurbit[7]uril Crystalline Architectures via Modulatory Peptide Tectons. <i>Chemistry - A European Journal</i> , 2021, 27, 14619-14627.	3.3	10
7	Influence of Divalent Cations in the Protein Crystallization Process Assisted by Lanthanide-Based Additives. <i>Inorganic Chemistry</i> , 2021, 60, 15208-15214.	4.0	3
8	Iterative Structure-Based Optimization of Short Peptides Targeting the Bacterial Sliding Clamp. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 17063-17078.	6.4	8
9	Engineered assembly of a protein-cucurbituril biohybrid. <i>Chemical Communications</i> , 2020, 56, 360-363.	4.1	21
10	Tracking Crystallophore Nucleating Properties: Setting Up a Database for Statistical Analysis. <i>Crystal Growth and Design</i> , 2020, 20, 5322-5329.	3.0	2
11	Metal-Mediated Protein-Cucurbituril Crystalline Architectures. <i>Crystal Growth and Design</i> , 2020, 20, 6983-6989.	3.0	12
12	Krypton-derivatization highlights O ₂ -channeling in a four-electron reducing oxidase. <i>Chemical Communications</i> , 2020, 56, 10863-10866.	4.1	10
13	Monitoring the Production of High Diffraction-Quality Crystals of Two Enzymes in Real Time Using In Situ Dynamic Light Scattering. <i>Crystals</i> , 2020, 10, 65.	2.2	3
14	CHAPTER 7. Molecular Glues for Protein Assembly. <i>Monographs in Supramolecular Chemistry</i> , 2020, , 199-232.	0.2	0
15	Crystal structure of a protein-aromatic foldamer composite: macromolecular chiral resolution. <i>Chemical Communications</i> , 2019, 55, 11087-11090.	4.1	13
16	Calixarene capture of partially unfolded cytochrome <i>c</i> . <i>FEBS Letters</i> , 2019, 593, 2112-2117.	2.8	12
17	Tuning Protein Frameworks via Auxiliary Supramolecular Interactions. <i>ACS Nano</i> , 2019, 13, 10343-10350.	14.6	40
18	Protein crystal structure determination with the crystallophore, a nucleating and phasing agent. <i>Journal of Applied Crystallography</i> , 2019, 52, 722-731.	4.5	21

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19	Calixarene-mediated assembly of a small antifungal protein. IUCrj, 2019, 6, 238-247.	2.2	51
20	A simple and versatile microfluidic device for efficient biomacromolecule crystallization and structural analysis by serial crystallography. IUCrj, 2019, 6, 454-464.	2.2	23
21	Medical contrast media as possible tools for SAXS contrast variation. IUCrj, 2019, 6, 521-525.	2.2	16
22	Archaeal acetoacetyl-CoA thiolase/HMG-CoA synthase complex channels the intermediate via a fused CoA-binding site. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 3380-3385.	7.1	44
23	The multicatalytic compartment of propionyl-CoA synthase sequesters a toxic metabolite. Nature Chemical Biology, 2018, 14, 1127-1132.	8.0	34
24	Unveiling the Binding Modes of the Crystallophore, a Terbium-based Nucleating and Phasing Molecular Agent for Protein Crystallography. Chemistry - A European Journal, 2018, 24, 9739-9746.	3.3	19
25	Structural Insight into Ubiquitin-Like Protein Recognition and Oligomeric States of JAMM/MPN+ Proteases. Structure, 2017, 25, 823-833.e6.	3.3	16
26	Crystallophore: a versatile lanthanide complex for protein crystallography combining nucleating effects, phasing properties, and luminescence. Chemical Science, 2017, 8, 5909-5917.	7.4	58
27	Bacteriophage T5 tail tube structure suggests a trigger mechanism for Siphoviridae DNA ejection. Nature Communications, 2017, 8, 1953.	12.8	64
28	New insights into the mechanism of substrates trafficking in Glyoxylate/Hydroxypyruvate reductases. Scientific Reports, 2016, 6, 20629.	3.3	19
29	Structural Basis for Enantioselectivity in the Transfer Hydrogenation of a Ketone Catalyzed by an Artificial Metalloenzyme. European Journal of Inorganic Chemistry, 2013, 2013, 3596-3600.	2.0	23