

# Sylvain Engilberge

## List of Publications by Year in descending order

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29  
papers

607  
citations

567281

15  
h-index

642732

23  
g-index

36  
all docs

36  
docs citations

36  
times ranked

875  
citing authors

#	ARTICLE	IF	CITATIONS
1	Bacteriophage T5 tail tube structure suggests a trigger mechanism for Siphoviridae DNA ejection. <i>Nature Communications</i> , 2017, 8, 1953.	12.8	64
2	Crystallophore: a versatile lanthanide complex for protein crystallography combining nucleating effects, phasing properties, and luminescence. <i>Chemical Science</i> , 2017, 8, 5909-5917.	7.4	58
3	Calixarene-mediated assembly of a small antifungal protein. <i>IUCr</i> , 2019, 6, 238-247.	2.2	51
4	Archaeal acetoacetyl-CoA thiolase/HMG-CoA synthase complex channels the intermediate via a fused CoA-binding site. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 3380-3385.	7.1	44
5	Tuning Protein Frameworks via Auxiliary Supramolecular Interactions. <i>ACS Nano</i> , 2019, 13, 10343-10350.	14.6	40
6	Facile Fabrication of Protein- $\beta$ -Macrocycle Frameworks. <i>Journal of the American Chemical Society</i> , 2021, 143, 1896-1907.	13.7	39
7	The multicatalytic compartment of propionyl-CoA synthase sequesters a toxic metabolite. <i>Nature Chemical Biology</i> , 2018, 14, 1127-1132.	8.0	34
8	Crystal structure of a key enzyme for anaerobic ethane activation. <i>Science</i> , 2021, 373, 118-121.	12.6	27
9	Structural Basis for Enantioselectivity in the Transfer Hydrogenation of a Ketone Catalyzed by an Artificial Metalloenzyme. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 3596-3600.	2.0	23
10	A simple and versatile microfluidic device for efficient biomacromolecule crystallization and structural analysis by serial crystallography. <i>IUCr</i> , 2019, 6, 454-464.	2.2	23
11	Engineered assembly of a protein- $\beta$ -cucurbituril biohybrid. <i>Chemical Communications</i> , 2020, 56, 360-363.	4.1	21
12	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
13	New insights into the mechanism of substrates trafficking in Glyoxylate/Hydroxypyruvate reductases. <i>Scientific Reports</i> , 2016, 6, 20629.	3.3	19
14	Unveiling the Binding Modes of the Crystallophore, a Terbium-based Nucleating and Phasing Molecular Agent for Protein Crystallography. <i>Chemistry - A European Journal</i> , 2018, 24, 9739-9746.	3.3	19
15	Structural Insight into Ubiquitin-Like Protein Recognition and Oligomeric States of JAMM/MPN+ Proteases. <i>Structure</i> , 2017, 25, 823-833.e6.	3.3	16
16	Medical contrast media as possible tools for SAXS contrast variation. <i>IUCr</i> , 2019, 6, 521-525.	2.2	16
17	Crystal structure of a protein- $\beta$ -aromatic foldamer composite: macromolecular chiral resolution. <i>Chemical Communications</i> , 2019, 55, 11087-11090.	4.1	13
18	Calixarene capture of partially unfolded cytochrome <i>c</i> . <i>FEBS Letters</i> , 2019, 593, 2112-2117.	2.8	12

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19	Metal-Mediated Proteinâ€Cucurbituril Crystalline Architectures. <i>Crystal Growth and Design</i> , 2020, 20, 6983-6989.	3.0	12
20	Krypton-derivatization highlights O <sub>2</sub> -channeling in a four-electron reducing oxidase. <i>Chemical Communications</i> , 2020, 56, 10863-10866.	4.1	10
21	Segregated Proteinâ€Cucurbit[7]uril Crystalline Architectures via Modulatory Peptide Tectons. <i>Chemistry - A European Journal</i> , 2021, 27, 14619-14627.	3.3	10
22	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
23	Protein recognition by cucurbit[6]uril: high affinity N-terminal complexation. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 837-844.	2.8	6
24	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
25	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
26	Protein-macrocycle framework engineering: supramolecular copolymerisation with two disparate calixarenes. <i>Supramolecular Chemistry</i> , 2021, 33, 122-128.	1.2	3
27	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
28	Tracking Crystallophore Nucleating Properties: Setting Up a Database for Statistical Analysis. <i>Crystal Growth and Design</i> , 2020, 20, 5322-5329.	3.0	2
29	CHAPTER 7. Molecular Glues for Protein Assembly. <i>Monographs in Supramolecular Chemistry</i> , 2020, , 199-232.	0.2	0