

Jesse D Coe

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

2,496
citations

623734

14
h-index

839539

18
g-index

19
all docs

19
docs citations

19
times ranked

3653
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Crystal structure of rhodopsin bound to arrestin by femtosecond X-ray laser. <i>Nature</i> , 2015, 523, 561-567. | 27.8 | 683 |
| 2 | Time-resolved serial crystallography captures high-resolution intermediates of photoactive yellow protein. <i>Science</i> , 2014, 346, 1242-1246. | 12.6 | 418 |
| 3 | Femtosecond structural dynamics drives the trans/cis isomerization in photoactive yellow protein. <i>Science</i> , 2016, 352, 725-729. | 12.6 | 348 |
| 4 | Structure of the Angiotensin Receptor Revealed by Serial Femtosecond Crystallography. <i>Cell</i> , 2015, 161, 833-844. | 28.9 | 315 |
| 5 | Structural basis for bifunctional peptide recognition at human μ -opioid receptor. <i>Nature Structural and Molecular Biology</i> , 2015, 22, 265-268. | 8.2 | 151 |
| 6 | A novel inert crystal delivery medium for serial femtosecond crystallography. <i>IUCr</i> , 2015, 2, 421-430. | 2.2 | 123 |
| 7 | Serial femtosecond crystallography: A revolution in structural biology. <i>Archives of Biochemistry and Biophysics</i> , 2016, 602, 32-47. | 3.0 | 101 |
| 8 | Lipidic cubic phase injector is a viable crystal delivery system for time-resolved serial crystallography. <i>Nature Communications</i> , 2016, 7, 12314. | 12.8 | 71 |
| 9 | Snapshot of an oxygen intermediate in the catalytic reaction of cytochrome <i>c</i> oxidase. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 3572-3577. | 7.1 | 70 |
| 10 | Rapid sample delivery for megahertz serial crystallography at X-ray FELs. <i>IUCr</i> , 2018, 5, 574-584. | 2.2 | 52 |
| 11 | Membrane protein megahertz crystallography at the European XFEL. <i>Nature Communications</i> , 2019, 10, 5021. | 12.8 | 47 |
| 12 | High Throughput Protein Nanocrystal Fractionation in a Microfluidic Sorter. <i>Analytical Chemistry</i> , 2015, 87, 4159-4167. | 6.5 | 27 |
| 13 | Segmented flow generator for serial crystallography at the European X-ray free electron laser. <i>Nature Communications</i> , 2020, 11, 4511. | 12.8 | 27 |
| 14 | 3D printed droplet generation devices for serial femtosecond crystallography enabled by surface coating. <i>Journal of Applied Crystallography</i> , 2019, 52, 997-1008. | 4.5 | 19 |
| 15 | Crystallization of Photosystem II for Time-Resolved Structural Studies Using an X-ray Free Electron Laser. <i>Methods in Enzymology</i> , 2015, 557, 459-482. | 1.0 | 17 |
| 16 | Serial femtosecond crystallography opens new avenues for Structural Biology. <i>Protein and Peptide Letters</i> , 2016, 23, 255-272. | 0.9 | 12 |
| 17 | Serial femtosecond X-ray diffraction of enveloped virus microcrystals. <i>Structural Dynamics</i> , 2015, 2, 041720. | 2.3 | 11 |
| 18 | Supersaturation-controlled microcrystallization and visualization analysis for serial femtosecond crystallography. <i>Scientific Reports</i> , 2018, 8, 2541. | 3.3 | 4 |