

Steffen Brähler

List of Publications by Year in descending order

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Version: 2024-02-01

9
papers

806
citations

1307594

7
h-index

1474206

9
g-index

11
all docs

11
docs citations

11
times ranked

1339
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|---|------|-----------|
| 1 | Retinal isomerization in bacteriorhodopsin captured by a femtosecond x-ray laser. <i>Science</i> , 2018, 361, . | 12.6 | 285 |
| 2 | Serial millisecond crystallography for routine room-temperature structure determination at synchrotrons. <i>Nature Communications</i> , 2017, 8, 542. | 12.8 | 203 |
| 3 | Proton uptake mechanism in bacteriorhodopsin captured by serial synchrotron crystallography. <i>Science</i> , 2019, 365, 61-65. | 12.6 | 117 |
| 4 | Femtosecond-to-millisecond structural changes in a light-driven sodium pump. <i>Nature</i> , 2020, 583, 314-318. | 27.8 | 115 |
| 5 | Dynamics and mechanism of a light-driven chloride pump. <i>Science</i> , 2022, 375, 845-851. | 12.6 | 43 |
| 6 | The Crystal Structure of RosB: Insights into the Reaction Mechanism of the First Member of a Family of Flavodoxin-like Enzymes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1146-1151. | 13.8 | 16 |
| 7 | The Molybdenum Storage Protein: A soluble ATP hydrolysis-dependent molybdate pump. <i>FEBS Journal</i> , 2018, 285, 4602-4616. | 4.7 | 9 |
| 8 | Molybdate pumping into the molybdenum storage protein via an ATP-powered piercing mechanism. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 26497-26504. | 7.1 | 8 |
| 9 | The molybdenum storage protein – A bionanolab for creating experimentally alterable polyoxomolybdate clusters. <i>Journal of Inorganic Biochemistry</i> , 2018, 189, 172-179. | 3.5 | 7 |