

David Adrian Saez

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

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citations

1478505

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1588992

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178
citing authors

| # | ARTICLE | IF | CITATIONS |
|---|--|------|-----------|
| 1 | Intersubunit Coupling Enables Fast CO ₂ -Fixation by Reductive Carboxylases. ACS Central Science, 2022, 8, 1091-1101. | 11.3 | 10 |
| 2 | Atom-Condensed Fukui Function in Condensed Phases and Biological Systems and Its Application to Enzymatic Fixation of Carbon Dioxide. Journal of Physical Chemistry A, 2020, 124, 849-857. | 2.5 | 9 |
| 3 | Four amino acids define the CO ₂ binding pocket of enoyl-CoA carboxylases/reductases. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 13964-13969. | 7.1 | 38 |
| 4 | Awakening the Sleeping Carboxylase Function of Enzymes: Engineering the Natural CO ₂ -Binding Potential of Reductases. Journal of the American Chemical Society, 2019, 141, 9778-9782. | 13.7 | 23 |
| 5 | Electronic structure benchmark calculations of inorganic and biochemical carboxylation reactions. Journal of Computational Chemistry, 2019, 40, 1401-1413. | 3.3 | 5 |
| 6 | Catalytic Reaction Mechanism in Native and Mutant Catechol- <i>O</i> -methyltransferase from the Adaptive String Method and Mean Reaction Force Analysis. Journal of Physical Chemistry B, 2018, 122, 8861-8871. | 2.6 | 8 |
| 7 | The effect of the environment on the methyl transfer reaction mechanism between trimethylsulfonium and phenolate. Physical Chemistry Chemical Physics, 2016, 18, 24033-24042. | 2.8 | 6 |
| 8 | A consistent S-Adenosylmethionine force field improved by dynamic Hirshfeld-I atomic charges for biomolecular simulation. Journal of Computer-Aided Molecular Design, 2015, 29, 951-961. | 2.9 | 23 |