

David Adrian Saez

List of Publications by Year in descending order

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Version: 2024-02-01

8
papers

122
citations

1478505

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1588992

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g-index

9
all docs

9
docs citations

9
times ranked

178
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Intersubunit Coupling Enables Fast CO ₂ -Fixation by Reductive Carboxylases. ACS Central Science, 2022, 8, 1091-1101.	11.3	10
5	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
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	Electronic structure benchmark calculations of inorganic and biochemical carboxylation reactions. Journal of Computational Chemistry, 2019, 40, 1401-1413.	3.3	5