

Jerry Alfred Fereiro

List of Publications by Year in descending order

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15
papers

498
citations

933447

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1058476

14
g-index

16
all docs

16
docs citations

16
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Charge transport in molecular electronic junctions: Compression of the molecular tunnel barrier in the strong coupling regime. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 11498-11503.	7.1	142
2	Tunneling explains efficient electron transport via protein junctions. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4577-E4583.	7.1	81
3	Protein Electronics: Chemical Modulation of Contacts Control Energy Level Alignment in Gold-Azurin-Gold Junctions. Journal of the American Chemical Society, 2018, 140, 13317-13326.	13.7	53
4	Direct Optical Determination of Interfacial Transport Barriers in Molecular Tunnel Junctions. Journal of the American Chemical Society, 2013, 135, 9584-9587.	13.7	44
5	Internal Photoemission in Molecular Junctions: Parameters for Interfacial Barrier Determinations. Journal of the American Chemical Society, 2015, 137, 1296-1304.	13.7	34
6	Solid-State Protein Junctions: Cross-Laboratory Study Shows Preservation of Mechanism at Varying Electronic Coupling. IScience, 2020, 23, 101099.	4.1	30
7	Solid-State Electron Transport via the Protein Azurin is Temperature-Independent Down to 4 K. Journal of Physical Chemistry Letters, 2020, 11, 144-151.	4.6	28
8	A Solid-State Protein Junction Serves as a Bias-Induced Current Switch. Angewandte Chemie - International Edition, 2019, 58, 11852-11859.	13.8	26
9	Transistor configuration yields energy level control in protein-based junctions. Nanoscale, 2018, 10, 21712-21720.	5.6	24
10	Protein Binding and Orientation Matter: Bias-Induced Conductance Switching in a Mutated Azurin Junction. Journal of the American Chemical Society, 2020, 142, 19217-19225.	13.7	18
11	Extent of conjugation in diazonium-derived layers in molecular junction devices determined by experiment and modelling. Physical Chemistry Chemical Physics, 2019, 21, 16762-16770.	2.8	8
12	Inelastic Electron Tunneling Spectroscopic Analysis of Bias-Induced Structural Changes in a Solid-State Protein Junction. Small, 2021, 17, e2008218.	10.0	5
13	Reply to the "Comment on "Extent of conjugation in diazonium-derived layers in molecular junction devices determined by experiment and modelling" by R. L. McCreery, S. K. Saxena, M. Supur and U. Tefashe, Phys. Chem. Chem. Phys., 2020, 22, DOI: 10.1039/d0cp02412k. Physical Chemistry Chemical Physics, 2020, 22, 21547-21549.	2.8	2
14	Electronic Transport Through Organophosphonate-Grafted Bacteriorhodopsin Films on Titanium Nitride. , 2021, , .		2
15	A Solid-State Protein Junction Serves as a Bias-Induced Current Switch. Angewandte Chemie, 2019, 131, 11978-11985.	2.0	1