

Shanen M Sherrer

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

557
citations

759233

12
h-index

888059

17
g-index

23
all docs

23
docs citations

23
times ranked

762
citing authors

#	ARTICLE	IF	CITATIONS
1	In the wake of COVID-19, academia needs new solutions to ensure gender equity. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 15378-15381.	7.1	242
2	A Novel Mechanism of Sugar Selection Utilized by a Human X-Family DNA Polymerase. Journal of Molecular Biology, 2010, 395, 282-290.	4.2	53
3	Mechanistic Studies of the Bypass of a Bulky Single-base Lesion Catalyzed by a Y-family DNA Polymerase. Journal of Biological Chemistry, 2009, 284, 6379-6388.	3.4	33
4	Mechanistic consequences of temperature on DNA polymerization catalyzed by a Y-family DNA polymerase. Nucleic Acids Research, 2008, 36, 1990-2001.	14.5	32
5	Quantitative analysis of the efficiency and mutagenic spectra of abasic lesion bypass catalyzed by human Y-family DNA polymerases. Nucleic Acids Research, 2011, 39, 609-622.	14.5	32
6	Kinetic Analysis of the Bypass of a Bulky DNA Lesion Catalyzed by Human Y-Family DNA Polymerases. Chemical Research in Toxicology, 2012, 25, 730-740.	3.3	25
7	Kinetic Basis of Sugar Selection by a Y-Family DNA Polymerase from <i>Sulfolobus solfataricus</i> P2. Biochemistry, 2010, 49, 10179-10186.	2.5	24
8	Preparation of Site-specific T=mCG cis-syn Cyclobutane Dimer-containing Template and Its Error-free Bypass by Yeast and Human Polymerase β . Journal of Biological Chemistry, 2012, 287, 8021-8028.	3.4	22
9	The mutagen and carcinogen cadmium is a high-affinity inhibitor of the zinc-dependent MutL \pm endonuclease. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 7314-7319.	7.1	22
10	Identification of an Unfolding Intermediate for a DNA Lesion Bypass Polymerase. Chemical Research in Toxicology, 2012, 25, 1531-1540.	3.3	15
11	Identification of Critical Residues for the Tight Binding of Both Correct and Incorrect Nucleotides to Human DNA Polymerase β . Journal of Molecular Biology, 2010, 403, 505-515.	4.2	13
12	Quantitative analysis of the mutagenic potential of 1-aminopyrene-DNA adduct bypass catalyzed by Y-family DNA polymerases. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2012, 737, 25-33.	1.0	13
13	Pre-Steady-State Kinetic Analysis of Truncated and Full-Length <i>Saccharomyces cerevisiae</i> DNA Polymerase ϵ . Journal of Nucleic Acids, 2010, 2010, 1-11.	1.2	10
14	A high-throughput and quantitative method to assess the mutagenic potential of translesion DNA synthesis. Nucleic Acids Research, 2013, 41, e96-e96.	14.5	9
15	A virtual laboratory module exploring photosynthesis during COVID-19. Biochemistry and Molecular Biology Education, 2020, 48, 659-661.	1.2	7
16	Reply to Arora et al.: Concerns and considerations about using the CV as an equity tool. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 24033-24034.	7.1	3
17	Using Scientific Poster Presentations to Scaffold Professional Communication Skill Experiences into Biochemistry Courses. ACS Symposium Series, 2020, , 165-178.	0.5	2
18	Redesign of an Advanced Biochemistry Laboratory into a Course-Based Undergraduate Research Experience. FASEB Journal, 2021, 35, .	0.5	0

#	ARTICLE	IF	CITATIONS
19	Biochemical Investigation into Cadmium-Induced Diminished Function of a Thermal Stable DNA Polymerase. FASEB Journal, 2021, 35, .	0.5	0
20	Integrating a Research-Based Experience in the Biochemistry I Laboratory: From Separation of Colored Compounds to Protein Purification. FASEB Journal, 2019, 33, 617.31.	0.5	0
21	Compromised Genomic Maintenance Integrity after Non-Lethal Doses of Cadmium. FASEB Journal, 2019, 33, .	0.5	0
22	Teaching Collaboration Skills to Undergraduate Biochemistry and Chemistry Students. FASEB Journal, 2022, 36, .	0.5	0
23	Analysis of <i>Crassostrea Virginica</i> Protein Metal Complexes after Exposure to Toxic Environmental Pollutant Cadmium. FASEB Journal, 2022, 36, .	0.5	0