## Natalie R Gassman

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Repair-Assisted Damage Detection Reveals Biological Disparities in Prostate Cancer between African Americans and European Americans. Cancers, 2022, 14, 1012.	3.7	4
2	Solution Chemistry of Dihydroxyacetone and Synthesis of Monomeric Dihydroxyacetone. Chemical Research in Toxicology, 2022, , .	3.3	1
3	407 Glucose activates STAT3, promoting XRCC1 expression and increased DNA repair after exogenous challenge. Journal of Clinical and Translational Science, 2022, 6, 78-78.	0.6	0
4	Glucose Increases STAT3 Activation, Promoting Sustained XRCC1 Expression and Increasing DNA Repair. International Journal of Molecular Sciences, 2022, 23, 4314.	4.1	1
5	The Biochemical Pathways of Nicotinamide-Derived Pyridones. International Journal of Molecular Sciences, 2021, 22, 1145.	4.1	14
6	Exogenous exposure to dihydroxyacetone mimics high fructose induced oxidative stress and mitochondrial dysfunction. Environmental and Molecular Mutagenesis, 2021, 62, 185-202.	2.2	7
7	Chemical and Biochemical Reactivity of the Reduced Forms of Nicotinamide Riboside. ACS Chemical Biology, 2021, 16, 604-614.	3.4	12
8	Associations between DNA Damage and PD-L1 Expression in Ovarian Cancer, a Potential Biomarker for Clinical Response. Biology, 2021, 10, 385.	2.8	4
9	Activated STAT3 Is a Novel Regulator of the XRCC1 Promoter and Selectively Increases XRCC1 Protein Levels in Triple Negative Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 5475.	4.1	4
10	Cytoprotective Effect of Vitamin D on Doxorubicin-Induced Cardiac Toxicity in Triple Negative Breast Cancer. International Journal of Molecular Sciences, 2021, 22, 7439.	4.1	11
11	From single-molecule to genome-wide mapping of DNA lesions: repair-assisted damage detection sequencing. Biophysical Reports, 2021, 1, 100017.	1.2	2
12	Transcriptional dysregulation of base excision repair proteins in breast cancer. DNA Repair, 2020, 93, 102922.	2.8	11
13	Exploiting DNA repair defects in triple negative breast cancer to improve cell killing. Therapeutic Advances in Medical Oncology, 2020, 12, 175883592095835.	3.2	27
14	A cancer amidst us: the plexiform lesion in pulmonary arterial hypertension. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1142-L1144.	2.9	3
15	EGFR signaling promotes resistance to CHK1 inhibitor prexasertib in triple negative breast cancer. , 2020, 3, 980-991.		1
16	Dihydronicotinamide riboside promotes cell-specific cytotoxicity by tipping the balance between metabolic regulation and oxidative stress. PLoS ONE, 2020, 15, e0242174.	2.5	18
17	Targets for repair: detecting and quantifying DNA damage with fluorescence-based methodologies. Current Opinion in Biotechnology, 2019, 55, 30-35.	6.6	11
18	Dihydroxyacetone Exposure Alters NAD(P)H and Induces Mitochondrial Stress and Autophagy in HEK293T Cells. Chemical Research in Toxicology, 2019, 32, 1722-1731.	3.3	17

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19	Bisphenol A co-exposure effects: a key factor in understanding BPA's complex mechanism and health outcomes. Critical Reviews in Toxicology, 2019, 49, 371-386.	3.9	47
20	Defective base excision repair in the response to DNA damaging agents in triple negative breast cancer. PLoS ONE, 2019, 14, e0223725.	2.5	21
21	Simultaneous detection of multiple DNA damage types by multi-colour fluorescent labelling. Chemical Communications, 2019, 55, 11414-11417.	4.1	24
22	DNA damage measurements within tissue samples with Repair Assisted Damage Detection (RADD). Current Research in Biotechnology, 2019, 1, 78-86.	3.7	9
23	XRCC1 phosphorylation affects aprataxin recruitment and DNA deadenylation activity. DNA Repair, 2018, 64, 26-33.	2.8	13
24	Broad spectrum detection of DNA damage by Repair Assisted Damage Detection (RADD). DNA Repair, 2018, 66-67, 42-49.	2.8	17
25	A truly safer alternative? Sunless tanning products and the unknown. Preventive Medicine, 2018, 112, 45-46.	3.4	2
26	Dihydroxyacetone induces G2/M arrest and apoptotic cell death in A375P melanoma cells. Environmental Toxicology, 2018, 33, 333-342.	4.0	11
27	Camptothecin Efficacy to Poison Top1 Is Altered by Bisphenol A in Mouse Embryonic Fibroblasts. Chemical Research in Toxicology, 2018, 31, 510-519.	3.3	13
28	Variations in nuclear localization strategies among pol X family enzymes. Traffic, 2018, 19, 723-735.	2.7	3
29	Intentional tanning behaviors among undergraduates on the United States' Gulf Coast. BMC Public Health, 2018, 18, 441.	2.9	10
30	Significant Engagement in Tanning Behaviors by Men at a U.S. University. Journal of Community Health, 2018, 43, 656-659.	3.8	0
31	Role of the oxidized form of XRCC1 in protection against extreme oxidative stress. Free Radical Biology and Medicine, 2017, 107, 292-300.	2.9	18
32	Induction of oxidative stress by bisphenol A and its pleiotropic effects. Environmental and Molecular Mutagenesis, 2017, 58, 60-71.	2.2	208
33	High prevalence of combination tanning among undergraduates: Survey at a southeastern US university. Journal of the American Academy of Dermatology, 2017, 77, 968-970.	1.2	2
34	XRCC1-mediated repair of strand breaks independent of PNKP binding. DNA Repair, 2017, 60, 52-63.	2.8	12
35	College tanning behaviors, attitudes, beliefs, and intentions: A systematic review of the literature. Preventive Medicine, 2017, 105, 77-87.	3.4	34
36	Application of Laser Micro-irradiation for Examination of Single and Double Strand Break Repair in Mammalian Cells. Journal of Visualized Experiments, 2017, , .	0.3	21

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37	DNA polymerase β: A missing link of the base excision repair machinery in mammalian mitochondria. DNA Repair, 2017, 60, 77-88.	2.8	48
38	PARP1 changes from three-dimensional DNA damage searching to one-dimensional diffusion after auto-PARylation or in the presence of APE1. Nucleic Acids Research, 2017, 45, 12834-12847.	14.5	71
39	DNA polymerase β contains a functional nuclear localization signal at its N-terminus. Nucleic Acids Research, 2017, 45, 1958-1970.	14.5	13
40	Combined Effects of High-Dose Bisphenol A and Oxidizing Agent (KBrO <sub>3</sub> ) on Cellular Microenvironment, Gene Expression, and Chromatin Structure of Ku70-deficient Mouse Embryonic Fibroblasts. Environmental Health Perspectives, 2016, 124, 1241-1252.	6.0	20
41	Nuclear Localization of the DNA Repair Scaffold XRCC1: Uncovering the Functional Role of a Bipartite NLS. Scientific Reports, 2015, 5, 13405.	3.3	30
42	Bisphenol A Promotes Cell Survival Following Oxidative DNA Damage in Mouse Fibroblasts. PLoS ONE, 2015, 10, e0118819.	2.5	49
43	Micro-irradiation tools to visualize base excision repair and single-strand break repair. DNA Repair, 2015, 31, 52-63.	2.8	48
44	DNA polymerase β-dependent cell survival independent of XRCC1 expression. DNA Repair, 2015, 26, 23-29.	2.8	20
45	Base Excision Repair Defects Invoke Hypersensitivity to PARP Inhibition. Molecular Cancer Research, 2014, 12, 1128-1139.	3.4	68
46	Suicidal cross-linking of PARP-1 to AP site intermediates in cells undergoing base excision repair. Nucleic Acids Research, 2014, 42, 6337-6351.	14.5	81
47	Toward Single-Molecule Optical Mapping of the Epigenome. ACS Nano, 2014, 8, 14-26.	14.6	42
48	Preventing oxidation of cellular XRCC1 affects PARP-mediated DNA damage responses. DNA Repair, 2013, 12, 774-785.	2.8	40
49	Interaction between DNA Polymerase $\hat{I}^2$ and BRCA1. PLoS ONE, 2013, 8, e66801.	2.5	13
50	HMGN1 Protein Regulates Poly(ADP-ribose) Polymerase-1 (PARP-1) Self-PARylation in Mouse Fibroblasts. Journal of Biological Chemistry, 2012, 287, 27648-27658.	3.4	39
51	Hyperactivation of PARP Triggers Nonhomologous End-Joining in Repair-Deficient Mouse Fibroblasts. PLoS ONE, 2012, 7, e49301.	2.5	26
52	Cooperative Nuclear Localization Sequences Lend a Novel Role to the N-Terminal Region of MSH6. PLoS ONE, 2011, 6, e17907.	2.5	21
53	Selection of beadâ€displayed, PNAâ€encoded chemicals. Journal of Molecular Recognition, 2010, 23, 414-422.	2.1	5
54	Mapping Transcription Factors on Extended DNA: A Single Molecule Approach. Springer Series in Chemical Physics, 2010, , 203-216.	0.2	0

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55	Combining atomic force and fluorescence microscopy for analysis of quantumâ€dot labeled protein–DNA complexes. Journal of Molecular Recognition, 2009, 22, 397-402.	2.1	23
56	In vivo Multimotor Force–Velocity Curves by Tracking and Sizing Sub-Diffraction Limited Vesicles. Cellular and Molecular Bioengineering, 2009, 2, 190-199.	2.1	17
57	Lighting Up Individual DNA Binding Proteins with Quantum Dots. Nano Letters, 2009, 9, 1598-1603.	9.1	50
58	In vivo assembly and single-molecule characterization of the transcription machinery from Shewanella oneidensis MR-1. Protein Expression and Purification, 2009, 65, 66-76.	1.3	5
59	Efficient Site-Specific Labeling of Proteins via Cysteines. Bioconjugate Chemistry, 2008, 19, 786-791.	3.6	219
60	Three-Color Alternating-Laser Excitation of Single Molecules: Monitoring Multiple Interactions and Distances. Biophysical Journal, 2007, 92, 303-312.	0.5	179
61	Bisphenol A and Nongenotoxic Drivers of Cancer. , 0, , 415-438.		3
62	DNA Polymerase Mediates Robust Base Lesion Repair in Mammalian Mitochondria. SSRN Electronic Journal, 0, , .	0.4	0