

Natalie R Gassman

List of Publications by Year in descending order

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Version: 2024-02-01

62
papers

1,743
citations

411340

20
h-index

340414

39
g-index

64
all docs

64
docs citations

64
times ranked

2986
citing authors

#	ARTICLE	IF	CITATIONS
1	Repair-Assisted Damage Detection Reveals Biological Disparities in Prostate Cancer between African Americans and European Americans. <i>Cancers</i> , 2022, 14, 1012.	1.7	4
2	Solution Chemistry of Dihydroxyacetone and Synthesis of Monomeric Dihydroxyacetone. <i>Chemical Research in Toxicology</i> , 2022, , .	1.7	1
3	407 Glucose activates STAT3, promoting XRCC1 expression and increased DNA repair after exogenous challenge. <i>Journal of Clinical and Translational Science</i> , 2022, 6, 78-78.	0.3	0
4	Glucose Increases STAT3 Activation, Promoting Sustained XRCC1 Expression and Increasing DNA Repair. <i>International Journal of Molecular Sciences</i> , 2022, 23, 4314.	1.8	1
5	The Biochemical Pathways of Nicotinamide-Derived Pyridones. <i>International Journal of Molecular Sciences</i> , 2021, 22, 1145.	1.8	14
6	Exogenous exposure to dihydroxyacetone mimics high fructose induced oxidative stress and mitochondrial dysfunction. <i>Environmental and Molecular Mutagenesis</i> , 2021, 62, 185-202.	0.9	7
7	Chemical and Biochemical Reactivity of the Reduced Forms of Nicotinamide Riboside. <i>ACS Chemical Biology</i> , 2021, 16, 604-614.	1.6	12
8	Associations between DNA Damage and PD-L1 Expression in Ovarian Cancer, a Potential Biomarker for Clinical Response. <i>Biology</i> , 2021, 10, 385.	1.3	4
9	Activated STAT3 Is a Novel Regulator of the XRCC1 Promoter and Selectively Increases XRCC1 Protein Levels in Triple Negative Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5475.	1.8	4
10	Cytoprotective Effect of Vitamin D on Doxorubicin-Induced Cardiac Toxicity in Triple Negative Breast Cancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7439.	1.8	11
11	From single-molecule to genome-wide mapping of DNA lesions: repair-assisted damage detection sequencing. <i>Biophysical Reports</i> , 2021, 1, 100017.	0.7	2
12	Transcriptional dysregulation of base excision repair proteins in breast cancer. <i>DNA Repair</i> , 2020, 93, 102922.	1.3	11
13	Exploiting DNA repair defects in triple negative breast cancer to improve cell killing. <i>Therapeutic Advances in Medical Oncology</i> , 2020, 12, 175883592095835.	1.4	27
14	A cancer amidst us: the plexiform lesion in pulmonary arterial hypertension. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 318, L1142-L1144.	1.3	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. <i>PLoS ONE</i> , 2020, 15, e0242174.	1.1	18
17	Targets for repair: detecting and quantifying DNA damage with fluorescence-based methodologies. <i>Current Opinion in Biotechnology</i> , 2019, 55, 30-35.	3.3	11
18	Dihydroxyacetone Exposure Alters NAD(P)H and Induces Mitochondrial Stress and Autophagy in HEK293T Cells. <i>Chemical Research in Toxicology</i> , 2019, 32, 1722-1731.	1.7	17

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19	Bisphenol A co-exposure effects: a key factor in understanding BPA's complex mechanism and health outcomes. <i>Critical Reviews in Toxicology</i> , 2019, 49, 371-386.	1.9	47
20	Defective base excision repair in the response to DNA damaging agents in triple negative breast cancer. <i>PLoS ONE</i> , 2019, 14, e0223725.	1.1	21
21	Simultaneous detection of multiple DNA damage types by multi-colour fluorescent labelling. <i>Chemical Communications</i> , 2019, 55, 11414-11417.	2.2	24
22	DNA damage measurements within tissue samples with Repair Assisted Damage Detection (RADD). <i>Current Research in Biotechnology</i> , 2019, 1, 78-86.	1.9	9
23	XRCC1 phosphorylation affects aprataxin recruitment and DNA deadenylation activity. <i>DNA Repair</i> , 2018, 64, 26-33.	1.3	13
24	Broad spectrum detection of DNA damage by Repair Assisted Damage Detection (RADD). <i>DNA Repair</i> , 2018, 66-67, 42-49.	1.3	17
25	A truly safer alternative? Sunless tanning products and the unknown. <i>Preventive Medicine</i> , 2018, 112, 45-46.	1.6	2
26	Dihydroxyacetone induces G2/M arrest and apoptotic cell death in A375P melanoma cells. <i>Environmental Toxicology</i> , 2018, 33, 333-342.	2.1	11
27	Camptothecin Efficacy to Poison Top1 Is Altered by Bisphenol A in Mouse Embryonic Fibroblasts. <i>Chemical Research in Toxicology</i> , 2018, 31, 510-519.	1.7	13
28	Variations in nuclear localization strategies among pol X family enzymes. <i>Traffic</i> , 2018, 19, 723-735.	1.3	3
29	Intentional tanning behaviors among undergraduates on the United States' Gulf Coast. <i>BMC Public Health</i> , 2018, 18, 441.	1.2	10
30	Significant Engagement in Tanning Behaviors by Men at a U.S. University. <i>Journal of Community Health</i> , 2018, 43, 656-659.	1.9	0
31	Role of the oxidized form of XRCC1 in protection against extreme oxidative stress. <i>Free Radical Biology and Medicine</i> , 2017, 107, 292-300.	1.3	18
32	Induction of oxidative stress by bisphenol A and its pleiotropic effects. <i>Environmental and Molecular Mutagenesis</i> , 2017, 58, 60-71.	0.9	208
33	High prevalence of combination tanning among undergraduates: Survey at a southeastern US university. <i>Journal of the American Academy of Dermatology</i> , 2017, 77, 968-970.	0.6	2
34	XRCC1-mediated repair of strand breaks independent of PNKP binding. <i>DNA Repair</i> , 2017, 60, 52-63.	1.3	12
35	College tanning behaviors, attitudes, beliefs, and intentions: A systematic review of the literature. <i>Preventive Medicine</i> , 2017, 105, 77-87.	1.6	34
36	Application of Laser Micro-irradiation for Examination of Single and Double Strand Break Repair in Mammalian Cells. <i>Journal of Visualized Experiments</i> , 2017, , .	0.2	21

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37	DNA polymerase β : A missing link of the base excision repair machinery in mammalian mitochondria. <i>DNA Repair</i> , 2017, 60, 77-88.	1.3	48
38	PARP1 changes from three-dimensional DNA damage searching to one-dimensional diffusion after auto-PARylation or in the presence of APE1. <i>Nucleic Acids Research</i> , 2017, 45, 12834-12847.	6.5	71
39	DNA polymerase β contains a functional nuclear localization signal at its N-terminus. <i>Nucleic Acids Research</i> , 2017, 45, 1958-1970.	6.5	13
40	Combined Effects of High-Dose Bisphenol A and Oxidizing Agent (KBrO ₃) on Cellular Microenvironment, Gene Expression, and Chromatin Structure of Ku70-deficient Mouse Embryonic Fibroblasts. <i>Environmental Health Perspectives</i> , 2016, 124, 1241-1252.	2.8	20
41	Nuclear Localization of the DNA Repair Scaffold XRCC1: Uncovering the Functional Role of a Bipartite NLS. <i>Scientific Reports</i> , 2015, 5, 13405.	1.6	30
42	Bisphenol A Promotes Cell Survival Following Oxidative DNA Damage in Mouse Fibroblasts. <i>PLoS ONE</i> , 2015, 10, e0118819.	1.1	49
43	Micro-irradiation tools to visualize base excision repair and single-strand break repair. <i>DNA Repair</i> , 2015, 31, 52-63.	1.3	48
44	DNA polymerase β -dependent cell survival independent of XRCC1 expression. <i>DNA Repair</i> , 2015, 26, 23-29.	1.3	20
45	Base Excision Repair Defects Invoke Hypersensitivity to PARP Inhibition. <i>Molecular Cancer Research</i> , 2014, 12, 1128-1139.	1.5	68
46	Suicidal cross-linking of PARP-1 to AP site intermediates in cells undergoing base excision repair. <i>Nucleic Acids Research</i> , 2014, 42, 6337-6351.	6.5	81
47	Toward Single-Molecule Optical Mapping of the Epigenome. <i>ACS Nano</i> , 2014, 8, 14-26.	7.3	42
48	Preventing oxidation of cellular XRCC1 affects PARP-mediated DNA damage responses. <i>DNA Repair</i> , 2013, 12, 774-785.	1.3	40
49	Interaction between DNA Polymerase β and BRCA1. <i>PLoS ONE</i> , 2013, 8, e66801.	1.1	13
50	HMG1 Protein Regulates Poly(ADP-ribose) Polymerase-1 (PARP-1) Self-PARylation in Mouse Fibroblasts. <i>Journal of Biological Chemistry</i> , 2012, 287, 27648-27658.	1.6	39
51	Hyperactivation of PARP Triggers Nonhomologous End-Joining in Repair-Deficient Mouse Fibroblasts. <i>PLoS ONE</i> , 2012, 7, e49301.	1.1	26
52	Cooperative Nuclear Localization Sequences Lend a Novel Role to the N-Terminal Region of MSH6. <i>PLoS ONE</i> , 2011, 6, e17907.	1.1	21
53	Selection of bead ^{displayed} , PNA ^{encoded} chemicals. <i>Journal of Molecular Recognition</i> , 2010, 23, 414-422.	1.1	5
54	Mapping Transcription Factors on Extended DNA: A Single Molecule Approach. <i>Springer Series in Chemical Physics</i> , 2010, , 203-216.	0.2	0

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55	Combining atomic force and fluorescence microscopy for analysis of quantum-dot labeled protein-DNA complexes. <i>Journal of Molecular Recognition</i> , 2009, 22, 397-402.	1.1	23
56	In vivo Multimotor Force-Velocity Curves by Tracking and Sizing Sub-Diffraction Limited Vesicles. <i>Cellular and Molecular Bioengineering</i> , 2009, 2, 190-199.	1.0	17
57	Lighting Up Individual DNA Binding Proteins with Quantum Dots. <i>Nano Letters</i> , 2009, 9, 1598-1603.	4.5	50
58	In vivo assembly and single-molecule characterization of the transcription machinery from <i>Shewanella oneidensis</i> MR-1. <i>Protein Expression and Purification</i> , 2009, 65, 66-76.	0.6	5
59	Efficient Site-Specific Labeling of Proteins via Cysteines. <i>Bioconjugate Chemistry</i> , 2008, 19, 786-791.	1.8	219
60	Three-Color Alternating-Laser Excitation of Single Molecules: Monitoring Multiple Interactions and Distances. <i>Biophysical Journal</i> , 2007, 92, 303-312.	0.2	179
61	Bisphenol A and Nongenotoxic Drivers of Cancer. , 0, , 415-438.		3
62	DNA Polymerase Mediates Robust Base Lesion Repair in Mammalian Mitochondria. <i>SSRN Electronic Journal</i> , 0, , .	0.4	0