

# Peter Gannett

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6156599/publications.pdf>

Version: 2024-02-01

92  
papers

2,563  
citations

201674

27  
h-index

223800

46  
g-index

105  
all docs

105  
docs citations

105  
times ranked

2436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient One-Step Suzuki Arylation of Unprotected Halonucleosides, Using Water-Soluble Palladium Catalysts. <i>Journal of Organic Chemistry</i> , 2003, 68, 6767-6774.	3.2	188
2	Reaction of Cr(VI) with ascorbate and hydrogen peroxide generates hydroxyl radicals and causes DNA damage: role of a Cr(IV)-mediated Fenton-like reaction. <i>Carcinogenesis</i> , 1994, 15, 2475-2478.	2.8	180
3	Cobalt-mediated generation of reactive oxygen species and its possible mechanism. <i>Journal of Inorganic Biochemistry</i> , 1998, 70, 239-244.	3.5	166
4	Capsaicinoids: their separation, synthesis, and mutagenicity. <i>Journal of Organic Chemistry</i> , 1988, 53, 1064-1071.	3.2	122
5	Synthesis of the proposed penultimate biosynthetic triene intermediate of monensin A. <i>Journal of the American Chemical Society</i> , 1986, 108, 4603-4614.	13.7	97
6	Deferoxamine inhibition of Cr(V)-mediated radical generation and deoxyguanine hydroxylation: ESR and HPLC evidence. <i>Archives of Biochemistry and Biophysics</i> , 1992, 293, 281-286.	3.0	69
7	Comparison of Magnesium Sulfate and Sodium Sulfate for Removal of Water from Pesticide Extracts of Foods. <i>Journal of AOAC INTERNATIONAL</i> , 2002, 85, 1177-1180.	1.5	67
8	Probing triplex formation by EPR spectroscopy using a newly synthesized spin label for oligonucleotides. <i>Nucleic Acids Research</i> , 2002, 30, 5328-5337.	14.5	56
9	Actions of a Histone Deacetylase Inhibitor NSC3852 (5-Nitroso-8-quinolinol) Link Reactive Oxygen Species to Cell Differentiation and Apoptosis in MCF-7 Human Mammary Tumor Cells. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2006, 317, 546-552.	2.5	55
10	Base pairing of 8-oxoguanosine and 8-oxo-2'-deoxyguanosine with 2'-deoxyadenosine, 2'-deoxycytosine, 2'-deoxyguanosine, and thymidine. <i>Chemical Research in Toxicology</i> , 1993, 6, 690-700.	3.3	53
11	One-electron reduction of vanadate by ascorbate and related free radical generation at physiological pH. <i>Journal of Inorganic Biochemistry</i> , 1994, 55, 101-112.	3.5	51
12	Chromate-mediated free radical generation from cysteine, penicillamine, hydrogen peroxide, and lipid hydroperoxides. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 1994, 1226, 65-72.	3.8	50
13	C8-Arylguanine and C8-Aryladenine Formation in Calf Thymus DNA from Arenediazonium Ions. <i>Chemical Research in Toxicology</i> , 1999, 12, 297-304.	3.3	49
14	Electrocatalytic Drug Metabolism by CYP2C9 Bonded to A Self-Assembled Monolayer-Modified Electrode. <i>Drug Metabolism and Disposition</i> , 2009, 37, 892-899.	3.3	47
15	The mutagenicity of capsaicin and dihydrocapsaicin in V79 cells. <i>Cancer Letters</i> , 1989, 48, 109-113.	7.2	44
16	Effector-Mediated Alteration of Substrate Orientation in Cytochrome P450 2C9. <i>Biochemistry</i> , 2004, 43, 7207-7214.	2.5	43
17	Cascade Radical Cyclizations via Biradicals Generated from (Z)-1,2,4-Heptatrien-6-ynes. <i>Journal of the American Chemical Society</i> , 1996, 118, 10783-10791.	13.7	41
18	CYP2C9 Genotype-Dependent Effects on in Vitro Drug-Drug Interactions: Switching of Benzbromarone Effect from Inhibition to Activation in the CYP2C9.3 Variant. <i>Molecular Pharmacology</i> , 2005, 68, 644-651.	2.3	40

#	ARTICLE	IF	CITATIONS
19	Heteroactivator effects on the coupling and spin state equilibrium of CYP2C9. Archives of Biochemistry and Biophysics, 2006, 449, 115-129.	3.0	38
20	Stability of Benzodiazepines in Formaldehyde Solutions. Journal of Analytical Toxicology, 2001, 25, 166-173.	2.8	37
21	The mechanism of inhibition of cytochrome P450IIE1 by dihydrocapsaicin. Bioorganic Chemistry, 1990, 18, 185-198.	4.1	36
22	Generation of thiyl and ascorbyl radicals in the reaction of peroxyxynitrite with thiols and ascorbate at physiological pH. Journal of Inorganic Biochemistry, 1994, 56, 77-86.	3.5	36
23	In Vitro Reaction of Formaldehyde with Fenfluramine: Conversion to N-Methyl Fenfluramine. Journal of Analytical Toxicology, 2001, 25, 88-92.	2.8	36
24	Different Patterns of Mutagenicity of Arenediazonium Ions in V79 Cells and Salmonella typhimurium TA102: Evidence for Different Mechanisms of Action. Journal of Agricultural and Food Chemistry, 1995, 43, 2627-2635.	5.2	33
25	Synthesis, Properties, and NMR Studies of a C8-Phenylguanine Modified Oligonucleotide that Preferentially Adopts the Z DNA Conformation. Chemical Research in Toxicology, 2003, 16, 1385-1394.	3.3	33
26	In Vitro Reaction of Barbiturates with Formaldehyde. Journal of Analytical Toxicology, 2001, 25, 443-449.	2.8	30
27	8-Arylguanine adducts from arenediazonium ions and DNA. Chemico-Biological Interactions, 1996, 101, 149-164.	4.0	29
28	Aryl Radical Formation during the Metabolism of Arylhydrazines by Microsomes. Chemical Research in Toxicology, 1997, 10, 1372-1377.	3.3	29
29	Reactive Oxygen Species in the Aerobic Decomposition of Sodium Hydroxymethanesulfinate. Archives of Biochemistry and Biophysics, 1999, 367, 289-296.	3.0	28
30	One-electron oxidation of trialkylsulfenamides. Journal of the American Chemical Society, 1982, 104, 6641-6646.	13.7	27
31	Application of Molecular Dynamics Simulations to Spin-labeled Oligonucleotides. Journal of Biomolecular Structure and Dynamics, 2005, 22, 579-593.	3.5	27
32	Use of Simple Docking Methods To Screen a Virtual Library for Heteroactivators of Cytochrome P450 2C9. Journal of Medicinal Chemistry, 2007, 50, 1158-1165.	6.4	27
33	Src binds cortactin through an SH2 domain cystine-mediated linkage. Journal of Cell Science, 2012, 125, 6185-6197.	2.0	26
34	Synthesis of the putative biosynthetic triene precursor of Monensin A. Journal of the American Chemical Society, 1985, 107, 2996-2997.	13.7	25
35	Mechanisms of Carcinogenicity of Aryl Hydrazines, Aryl Hydrazides, and Arenediazonium Ions. Journal of Environmental Pathology, Toxicology and Oncology, 2002, 21, 31.	1.2	25
36	N-Nitrosoatrazine: synthesis, kinetics of formation, and nuclear magnetic resonance spectra and other properties. Journal of Agricultural and Food Chemistry, 1991, 39, 1205-1210.	5.2	24

#	ARTICLE	IF	CITATIONS
37	Cr(III)-mediated hydroxyl radical generation via Haber-Weiss cycle. <i>Journal of Inorganic Biochemistry</i> , 1998, 69, 263-268.	3.5	24
38	Preparation, Characterization, and Substrate Metabolism of Gold-Immobilized Cytochrome P450 2C9. <i>Journal of the American Chemical Society</i> , 2006, 128, 8374-8375.	13.7	23
39	An Improved Synthesis of 8-Bromo-2'-deoxyguanosine. <i>Synthetic Communications</i> , 1993, 23, 1611-1615.	2.1	22
40	DNA Cleavage by the Photolysis of Cyclopentadienyl Metal Complexes: A Mechanistic Studies and Sequence Selectivity of Strand Scission by CpW(CO)3CH3. <i>Journal of Organic Chemistry</i> , 2005, 70, 9093-9102.	3.2	22
41	Conversion of Methamphetamine to N-Methyl-Methamphetamine in Formalin Solutions. <i>Journal of Analytical Toxicology</i> , 2005, 29, 48-53.	2.8	22
42	Single C8-Arylguanine Modifications Render Oligonucleotides in the Z-DNA Conformation under Physiological Conditions. <i>Chemical Research in Toxicology</i> , 2014, 27, 1176-1186.	3.3	20
43	C8-Guanine modifications: effect on Z-DNA formation and its role in cancer. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 2198-2209.	2.8	20
44	Activation of AP-1 through the MAP Kinase Pathway: A Potential Mechanism of the Carcinogenic Effect of Arenediazonium Ions. <i>Chemical Research in Toxicology</i> , 2000, 13, 1020-1027.	3.3	19
45	A SHORT PROCEDURE FOR SYNTHESIS OF 4-ETHYNYL-2,2,6,6-TETRAMETHYL-3,4-DEHYDRO-PIPERIDINE-1-OXYL NITROXIDE. <i>Synthetic Communications</i> , 2001, 31, 2137-2141.	2.1	19
46	A General Synthesis of C8-Arylpurine Phosphoramidites. <i>Molecules</i> , 2009, 14, 3339-3352.	3.8	19
47	The conformational effect of para-substituted C8-arylguanine adducts on the B/Z-DNA equilibrium. <i>Biophysical Chemistry</i> , 2011, 154, 41-48.	2.8	19
48	Agaricus Bisporus: An assessment of its carcinogenic potency. <i>Mycopathologia</i> , 1993, 124, 73-77.	3.1	17
49	Substrate proton to heme distances in CYP2C9 allelic variants and alterations by the heterotropic activator, dapsone. <i>Archives of Biochemistry and Biophysics</i> , 2008, 475, 175-183.	3.0	17
50	The Use of Immobilized Cytochrome P4502C9 in PMMA-Based Plug Flow Bioreactors for the Production of Drug Metabolites. <i>Applied Biochemistry and Biotechnology</i> , 2014, 172, 1293-1306.	2.9	17
51	Ethanol-Mediated CYP1A1/2 Induction in Rat Skeletal Muscle Tissue. <i>Experimental and Molecular Pathology</i> , 2000, 69, 223-232.	2.1	16
52	DNA Sequencing with the Hydroperoxide of Tetrahydrofuran. <i>Journal of the American Chemical Society</i> , 1994, 116, 1131-1132.	13.7	14
53	Measurement of Electron Transfer through Cytochrome P450 Protein on Nanopillars and the Effect of Bound Substrates. <i>Journal of the American Chemical Society</i> , 2013, 135, 3834-3840.	13.7	14
54	Chemical oxidation and metabolism of N-methyl-N-formylhydrazine. Evidence for diazenium and radical intermediates. <i>Food and Chemical Toxicology</i> , 1991, 29, 49-56.	3.6	13

#	ARTICLE	IF	CITATIONS
55	Identification of N,N-dimethylamphetamine formed by methylation of methamphetamine in formalin-fixed liver tissue by multistage mass spectrometry. <i>Forensic Science International</i> , 2006, 157, 87-92.	2.2	13
56	An investigation into the feasibility of myoglobin-based single-electron transistors. <i>Nanotechnology</i> , 2012, 23, 395705.	2.6	13
57	The 3,3-dimethyl-2-azabicyclo[2.2.2]octyl system as a Brecht's rule kinetically stabilized dialkylamino group in electron-transfer studies. <i>Journal of the American Chemical Society</i> , 1982, 104, 5292-5297.	13.7	12
58	Epoxidation of the methamphetamine pyrolysis product, trans-phenylpropene, to trans-phenylpropylene oxide by CYP enzymes and stereoselective glutathione adduct formation. <i>Toxicology and Applied Pharmacology</i> , 2006, 211, 148-156.	2.8	12
59	Carcinogenesis by the cultivated baked <i>Agaricus bisporus</i> mushroom in mice. <i>Oncology Reports</i> , 1997, 4, 931-6.	2.6	12
60	Implementation Science to Advance Practice and Curricular Transformation: Report of the 2019-2020 AACP Research and Graduate Affairs Committee. <i>American Journal of Pharmaceutical Education</i> , 2020, 84, ajpe848204.	2.1	12
61	Intratracheal amiodarone administration to F344 rats directly damages lung airway and parenchymal cells. <i>Toxicology and Applied Pharmacology</i> , 2003, 188, 92-103.	2.8	11
62	Molecular Dynamics and Free Energy Calculations of the B and Z Forms of C8-Arylguanine Modified Oligonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2005, 23, 203-219.	3.5	11
63	Exacerbated radiodermatitis and bilateral subdural hemorrhage after whole brain irradiation combined with epidermal growth factor receptor tyrosine kinase inhibitors for brain metastases in lung cancer. <i>Lung Cancer</i> , 2008, 59, 407-410.	2.0	11
64	The use of 2-hydroperoxytetrahydrofuran as a reagent to sequence cytosine and to probe non-Watson-Crick DNA structures. <i>Nucleic Acids Research</i> , 1995, 23, 713-719.	14.5	10
65	Improvement of a Critical Intermediate Step in the Synthesis of a Nitroxide-Based Spin-Labeled Deoxythymidine Analog. <i>Molecules</i> , 2000, 5, 1244-1250.	3.8	10
66	Selective filling of nanowells in nanowell arrays fabricated using polystyrene nanosphere lithography with cytochrome P450 enzymes. <i>Nanotechnology</i> , 2012, 23, 385101.	2.6	10
67	Nitrosohydrazine conformations. The effect of replacing C(1)-H of 2-nitroso-2-azabicyclo[2.2.2]octane derivatives by nitrogen. <i>Journal of Organic Chemistry</i> , 1980, 45, 3857-3860.	3.2	9
68	6-Methyl-1,6-diazabicyclo[6.2.2]dodecane: an inside, outside six-atom bridged boat piperidine. <i>Journal of the American Chemical Society</i> , 1982, 104, 4698-4700.	13.7	9
69	The Synthesis of C8-Aryl Purines, Nucleosides and Phosphoramidites. <i>Critical Reviews in Eukaryotic Gene Expression</i> , 2011, 21, 155-176.	0.9	9
70	Immobilized Cytochrome P450 for Monitoring of P450-P450 Interactions and Metabolism. <i>Drug Metabolism and Disposition</i> , 2016, 44, 741-749.	3.3	9
71	Selection of Single-Stranded DNA Molecular Recognition Elements against Exotoxin A Using a Novel Decoy-SELEX Method and Sensitive Detection of Exotoxin A in Human Serum. <i>BioMed Research International</i> , 2015, 2015, 1-12.	1.9	8
72	Vitamin B6 and cancer: synthesis and occurrence of adenosine-N6-diethylthioether-N-pyridoximine-5'-phosphate, a circulating human tumor marker. <i>Cancer Research</i> , 1996, 56, 3670-7.	0.9	8

#	ARTICLE	IF	CITATIONS
73	8-Hydroxy-2- $\epsilon$ -deoxyguanosine formation during the catalytic oxidation of hydrazines in the presence of 2- $\epsilon$ -deoxyguanosine. <i>Chemico-Biological Interactions</i> , 1991, 80, 57-72.	4.0	6
74	Glutathione conjugation of busulfan produces a hydroxyl radical-trapping dehydroalanine metabolite. <i>Xenobiotica</i> , 2012, 42, 1170-1177.	1.1	6
75	Student engagement in professional political advocacy in colleges/schools of pharmacy. <i>Currents in Pharmacy Teaching and Learning</i> , 2012, 4, 207-211.	1.0	6
76	Nanoscale electron transport measurements of immobilized cytochrome P450 proteins. <i>Nanotechnology</i> , 2015, 26, 155102.	2.6	6
77	Conformational interconversions in pentaalkylhydrazine cation tetrafluoroborates. <i>Journal of the American Chemical Society</i> , 1981, 103, 3300-3304.	13.7	5
78	Anomalous reaction of adenine and 4-(hydroxymethyl)benzenediazonium ion. <i>Tetrahedron Letters</i> , 1987, 28, 1015-1018.	1.4	5
79	A conformational NMR analysis of methymycin aglycones: complete and unambiguous assignments of stereochemically diverse glycosylated methymycin analogs by 1D and 2D NMR techniques and molecular modeling. <i>Magnetic Resonance in Chemistry</i> , 2013, 51, 156-167.	1.9	5
80	Mechanisms of carcinogenicity of aryl hydrazines, aryl hydrazides, and arenediazonium ions. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2002, 21, 1-31.	1.2	5
81	Comparison of free energy changes for nitrogen inversion and electron loss for some amino nitrogen compounds. <i>Journal of the American Chemical Society</i> , 1983, 105, 3119-3123.	13.7	4
82	Tumor induction with hexanal methylformylhydrazone of <i>Gyromitra esculenta</i> . <i>Mycopathologia</i> , 1991, 115, 65-71.	3.1	4
83	Synthesis of deuterated 4,4'-diaminodiphenylsulfone (Dapsone) and related analogs. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2003, 46, 107-114.	1.0	4
84	Solid-phase DNA binding detection by EPR spectroscopy. <i>Tetrahedron Letters</i> , 2002, 43, 1931-1933.	1.4	3
85	Differential electronic states observed during A $\rightleftharpoons$ B DNA duplex conformational transitions. <i>Soft Matter</i> , 2009, 5, 685-690.	2.7	3
86	A Polymorphic Variant of AFAP-110 Enhances cSrc Activity. <i>Translational Oncology</i> , 2010, 3, 276-IN9.	3.7	3
87	Appropriateness of Term Limits for Administrative Appointments in Pharmacy Programs. <i>American Journal of Pharmaceutical Education</i> , 2020, 84, 7462.	2.1	3
88	Synthesis of deuterated naproxens. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 1272-1275.	1.0	2
89	Electron loss from 1,3,3-trimethyl-2-azabicyclo[2.2.2]octane derivatives. Is $\sigma$ -coupling thermodynamically important?. <i>Journal of Organic Chemistry</i> , 1982, 47, 4879-4881.	3.2	1
90	Capsaicinoids: their separation, synthesis, and mutagenicity [Erratum to document cited in CA108(13):112057d]. <i>Journal of Organic Chemistry</i> , 1988, 53, 6162-6162.	3.2	1

#	ARTICLE	IF	CITATIONS
91	DNA alkylation and mutagenicity of related hydroxypropylating and methylating agents in V79 cells. Teratogenesis, Carcinogenesis, and Mutagenesis, 1993, 13, 269-275.	0.8	1
92	Hydrazines and diazonium ions of mushroom origin and cancer. European Journal of Cancer & Clinical Oncology, 1987, 23, 1805-1806.	0.7	0