

# Peter Gannett

## List of Publications by Year in descending order

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92  
papers

2,563  
citations

201674

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223800

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105  
all docs

105  
docs citations

105  
times ranked

2436  
citing authors

#	ARTICLE	IF	CITATIONS
1	Appropriateness of Term Limits for Administrative Appointments in Pharmacy Programs. American Journal of Pharmaceutical Education, 2020, 84, 7462.	2.1	3
2	Implementation Science to Advance Practice and Curricular Transformation: Report of the 2019-2020 AACP Research and Graduate Affairs Committee. American Journal of Pharmaceutical Education, 2020, 84, ajpe848204.	2.1	12
3	C8-Guanine modifications: effect on Z-DNA formation and its role in cancer. Organic and Biomolecular Chemistry, 2018, 16, 2198-2209.	2.8	20
4	Immobilized Cytochrome P450 for Monitoring of P450-P450 Interactions and Metabolism. Drug Metabolism and Disposition, 2016, 44, 741-749.	3.3	9
5	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. BioMed Research International, 2015, 2015, 1-12.	1.9	8
6	Nanoscale electron transport measurements of immobilized cytochrome P450 proteins. Nanotechnology, 2015, 26, 155102.	2.6	6
7	The Use of Immobilized Cytochrome P450C9 in PMMA-Based Plug Flow Bioreactors for the Production of Drug Metabolites. Applied Biochemistry and Biotechnology, 2014, 172, 1293-1306.	2.9	17
8	Single C8-Arylguanine Modifications Render Oligonucleotides in the Z-DNA Conformation under Physiological Conditions. Chemical Research in Toxicology, 2014, 27, 1176-1186.	3.3	20
9	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. Magnetic Resonance in Chemistry, 2013, 51, 156-167.	1.9	5
10	Measurement of Electron Transfer through Cytochrome P450 Protein on Nanopillars and the Effect of Bound Substrates. Journal of the American Chemical Society, 2013, 135, 3834-3840.	13.7	14
11	Glutathione conjugation of busulfan produces a hydroxyl radical-trapping dehydroalanine metabolite. Xenobiotica, 2012, 42, 1170-1177.	1.1	6
12	An investigation into the feasibility of myoglobin-based single-electron transistors. Nanotechnology, 2012, 23, 395705.	2.6	13
13	Student engagement in professional political advocacy in colleges/schools of pharmacy. Currents in Pharmacy Teaching and Learning, 2012, 4, 207-211.	1.0	6
14	Selective filling of nanowells in nanowell arrays fabricated using polystyrene nanosphere lithography with cytochrome P450 enzymes. Nanotechnology, 2012, 23, 385101.	2.6	10
15	Src binds cortactin through an SH2 domain cystine-mediated linkage. Journal of Cell Science, 2012, 125, 6185-6197.	2.0	26
16	The Synthesis of C8-Aryl Purines, Nucleosides and Phosphoramidites. Critical Reviews in Eukaryotic Gene Expression, 2011, 21, 155-176.	0.9	9
17	The conformational effect of para-substituted C8-arylguanine adducts on the B/Z-DNA equilibrium. Biophysical Chemistry, 2011, 154, 41-48.	2.8	19
18	A Polymorphic Variant of AFAP-110 Enhances cSrc Activity. Translational Oncology, 2010, 3, 276-IN9.	3.7	3

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19	A General Synthesis of C8-Arylpurine Phosphoramidites. <i>Molecules</i> , 2009, 14, 3339-3352.	3.8	19
20	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
21	Differential electronic states observed during Aâ€“B DNA duplex conformational transitions. <i>Soft Matter</i> , 2009, 5, 685-690.	2.7	3
22	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
23	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
24	Use of Simple Docking Methods To Screen a Virtual Library for Heteroactivators of Cytochrome P450 2C9. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 1158-1165.	6.4	27
25	Synthesis of deuterated naproxens. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2007, 50, 1272-1275.	1.0	2
26	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
27	Heteroactivator effects on the coupling and spin state equilibrium of CYP2C9. <i>Archives of Biochemistry and Biophysics</i> , 2006, 449, 115-129.	3.0	38
28	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
29	Epoxidation of the methamphetamine pyrolysis product, trans-phenylpropene, to trans-phenylpropylene oxide by CYP enzymes and stereoselective glutathione adduct formationâ†. <i>Toxicology and Applied Pharmacology</i> , 2006, 211, 148-156.	2.8	12
30	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
31	DNA Cleavage by the Photolysis of Cyclopentadienyl Metal Complexes:â 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
32	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
33	Application of Molecular Dynamics Simulations to Spin-labeled Oligonucleotides. <i>Journal of Biomolecular Structure and Dynamics</i> , 2005, 22, 579-593.	3.5	27
34	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
35	Conversion of Methamphetamine to N-Methyl-Methamphetamine in Formalin Solutions. <i>Journal of Analytical Toxicology</i> , 2005, 29, 48-53.	2.8	22
36	Effector-Mediated Alteration of Substrate Orientation in Cytochrome P450 2C9â€. <i>Biochemistry</i> , 2004, 43, 7207-7214.	2.5	43

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37	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
38	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
39	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
40	Synthesis, Properties, and NMR Studies of a C8-Phenylguanine Modified Oligonucleotide that Preferentially Adopts the Z DNA Conformation. <i>Chemical Research in Toxicology</i> , 2003, 16, 1385-1394.	3.3	33
41	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
42	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
43	Solid-phase DNA binding detection by EPR spectroscopy. <i>Tetrahedron Letters</i> , 2002, 43, 1931-1933.	1.4	3
44	Mechanisms of Carcinogenicity of Aryl Hydrazines, Aryl Hydrazides, and Arenediazonium Ions. <i>Journal of Environmental Pathology, Toxicology and Oncology</i> , 2002, 21, 31.	1.2	25
45	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
46	In Vitro Reaction of Formaldehyde with Fenfluramine: Conversion to N-Methyl Fenfluramine. <i>Journal of Analytical Toxicology</i> , 2001, 25, 88-92.	2.8	36
47	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
48	Stability of Benzodiazepines in Formaldehyde Solutions. <i>Journal of Analytical Toxicology</i> , 2001, 25, 166-173.	2.8	37
49	In Vitro Reaction of Barbiturates with Formaldehyde. <i>Journal of Analytical Toxicology</i> , 2001, 25, 443-449.	2.8	30
50	Ethanol-Mediated CYP1A1/2 Induction in Rat Skeletal Muscle Tissue. <i>Experimental and Molecular Pathology</i> , 2000, 69, 223-232.	2.1	16
51	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
52	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
53	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
54	Reactive Oxygen Species in the Aerobic Decomposition of Sodium Hydroxymethanesulfinate. <i>Archives of Biochemistry and Biophysics</i> , 1999, 367, 289-296.	3.0	28

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55	Cr(III)-mediated hydroxyl radical generation via Haber-Weiss cycle. <i>Journal of Inorganic Biochemistry</i> , 1998, 69, 263-268.	3.5	24
56	Cobalt-mediated generation of reactive oxygen species and its possible mechanism. <i>Journal of Inorganic Biochemistry</i> , 1998, 70, 239-244.	3.5	166
57	Aryl Radical Formation during the Metabolism of Arylhydrazines by Microsomes. <i>Chemical Research in Toxicology</i> , 1997, 10, 1372-1377.	3.3	29
58	Carcinogenesis by the cultivated baked <i>Agaricus bisporus</i> mushroom in mice. <i>Oncology Reports</i> , 1997, 4, 931-6.	2.6	12
59	Cascade Radical Cyclizations via Biradicals Generated from (Z)-1,2,4-Heptatrien-6-yne. <i>Journal of the American Chemical Society</i> , 1996, 118, 10783-10791.	13.7	41
60	8-Arylguanine adducts from arenediazonium ions and DNA. <i>Chemico-Biological Interactions</i> , 1996, 101, 149-164.	4.0	29
61	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
62	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
63	Different Patterns of Mutagenicity of Arenediazonium Ions in V79 Cells and <i>Salmonella typhimurium</i> TA102: Evidence for Different Mechanisms of Action. <i>Journal of Agricultural and Food Chemistry</i> , 1995, 43, 2627-2635.	5.2	33
64	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
65	Generation of thiyl and ascorbyl radicals in the reaction of peroxynitrite with thiols and ascorbate at physiological pH. <i>Journal of Inorganic Biochemistry</i> , 1994, 56, 77-86.	3.5	36
66	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
67	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
68	DNA Sequencing with the Hydroperoxide of Tetrahydrofuran. <i>Journal of the American Chemical Society</i> , 1994, 116, 1131-1132.	13.7	14
69	<i>Agaricus Bisporus</i> : An assessment of its carcinogenic potency. <i>Mycopathologia</i> , 1993, 124, 73-77.	3.1	17
70	DNA alkylation and mutagenicity of related hydroxypropylating and methylating agents in V79 cells. <i>Teratogenesis, Carcinogenesis, and Mutagenesis</i> , 1993, 13, 269-275.	0.8	1
71	An Improved Synthesis of 8-Bromo-2'-deoxyguanosine. <i>Synthetic Communications</i> , 1993, 23, 1611-1615.	2.1	22
72	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

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73	Deferoxamine inhibition of Cr(V)-mediated radical generation and deoxyguanine hydroxylation: ESR and HPLC evidence. Archives of Biochemistry and Biophysics, 1992, 293, 281-286.	3.0	69
74	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
75	Chemical oxidation and metabolism of N-methyl-N-formylhydrazine. Evidence for diazenium and radical intermediates. Food and Chemical Toxicology, 1991, 29, 49-56.	3.6	13
76	8-Hydroxy-2â€²-deoxyguanosine formation during the catalytic oxidation of hydrazines in the presence of 2â€²-deoxyguanosine. Chemico-Biological Interactions, 1991, 80, 57-72.	4.0	6
77	Tumor induction with hexanal methylformylhydrazone of Gyromitra esculenta. Mycopathologia, 1991, 115, 65-71.	3.1	4
78	The mechanism of inhibition of cytochrome P450IIE1 by dihydrocapsaicin. Bioorganic Chemistry, 1990, 18, 185-198.	4.1	36
79	The mutagenicity of capsaicin and dihydrocapsaicin in V79 cells. Cancer Letters, 1989, 48, 109-113.	7.2	44
80	Capsaicinoids: their separation, synthesis, and mutagenicity [Erratum to document cited in CA108(13):112057d]. Journal of Organic Chemistry, 1988, 53, 6162-6162.	3.2	1
81	Capsaicinoids: their separation, synthesis, and mutagenicity. Journal of Organic Chemistry, 1988, 53, 1064-1071.	3.2	122
82	Hydrazines and diazonium ions of mushroom origin and cancer. European Journal of Cancer & Clinical Oncology, 1987, 23, 1805-1806.	0.7	0
83	Anomalous reaction of adenine and 4-(hydroxymethyl)benzenediazonium ion. Tetrahedron Letters, 1987, 28, 1015-1018.	1.4	5
84	Synthesis of the proposed penultimate biosynthetic triene intermediate of monensin A. Journal of the American Chemical Society, 1986, 108, 4603-4614.	13.7	97
85	Synthesis of the putative biosynthetic triene precursor of Monensin A. Journal of the American Chemical Society, 1985, 107, 2996-2997.	13.7	25
86	Comparison of free energy changes for nitrogen inversion and electron loss for some amino nitrogen compounds. Journal of the American Chemical Society, 1983, 105, 3119-3123.	13.7	4
87	6-Methyl-1,6-diazabicyclo[6.2.2]dodecane: an inside, outside six-atom bridged boat piperidine. Journal of the American Chemical Society, 1982, 104, 4698-4700.	13.7	9
88	One-electron oxidation of trialkylsulfenamides. Journal of the American Chemical Society, 1982, 104, 6641-6646.	13.7	27
89	Electron loss from 1,3,3-trimethyl-2-azabicyclo[2.2.2]octane derivatives. Is $\sigma$ -coupling thermodynamically important?. Journal of Organic Chemistry, 1982, 47, 4879-4881.	3.2	1
90	The 3,3-dimethyl-2-azabicyclo[2.2.2]octyl system as a Bredt's rule kinetically stabilized dialkylamino group in electron-transfer studies. Journal of the American Chemical Society, 1982, 104, 5292-5297.	13.7	12

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91	Conformational interconversions in pentaalkylhydrazine cation tetrafluoroborates. Journal of the American Chemical Society, 1981, 103, 3300-3304.	13.7	5
92	Nitrosohydrazine conformations. The effect of replacing C(1)-H of 2-nitroso-2-azabicyclo[2.2.2]octane derivatives by nitrogen. Journal of Organic Chemistry, 1980, 45, 3857-3860.	3.2	9