Dennis Keith Pearl

List of Publications by Citations

122 papers	**8,755** citations
40 h-index	**93** g-index
131 ext. papers	**9,676** ext. citations
4.1 avg, IF	**5.66** L-index

#	Paper	IF	Citations
122	Time of conscious intention to act in relation to onset of cerebral activity (readiness-potential). The unconscious initiation of a freely voluntary act. *Brain*, **1983**, 106 (Pt 3), 623-42	11.2	1731
121	Subjective referral of the timing for a conscious sensory experience: a functional role for the somatosensory specific projection system in man. *Brain*, **1979**, 102, 193-224	11.2	500
120	High-resolution species trees without concatenation. *Proceedings of the National Academy of Sciences of the United States of America*, **2007**, 104, 5936-41	11.5	485
119	The major histocompatibility complex-related Fc receptor for IgG (FcRn) binds albumin and prolongs its lifespan. *Journal of Experimental Medicine*, **2003**, 197, 315-22	16.6	442
118	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas. *Cancer*, **1997**, 79, 1381-93	6.4	423
117	Species trees from gene trees: reconstructing Bayesian posterior distributions of a species phylogeny using estimated gene tree distributions. *Systematic Biology*, **2007**, 56, 504-14	8.4	379
116	Estimating species phylogenies using coalescence times among sequences. *Systematic Biology*, **2009**, 58, 468-77	8.4	342
115	Coalescent methods for estimating phylogenetic trees. *Molecular Phylogenetics and Evolution*, **2009**, 53, 320-8	4.1	279
114	Sphingosine kinase-1 expression correlates with poor survival of patients with glioblastoma multiforme: roles of sphingosine kinase isoforms in growth of glioblastoma cell lines. *Journal of Neuropathology and Experimental Neurology*, **2005**, 64, 695-705	3.1	265
113	Control of the transition from sensory detection to sensory awareness in man by the duration of a thalamic stimulus. The cerebral 'time-on' factor. *Brain*, **1991**, 114 (Pt 4), 1731-57	11.2	209
112	Estimating species trees using multiple-allele DNA sequence data. *Evolution; International Journal of Organic Evolution*, **2008**, 62, 2080-91	3.8	177
111	Newborn and carrier screening for spinal muscular atrophy. *American Journal of Medical Genetics, Part A*, **2010**, 152A, 1608-16	2.5	172
110	Modulation of genetic and epigenetic biomarkers of colorectal cancer in humans by black raspberries: a phase I pilot study. *Clinical Cancer Research*, **2011**, 17, 598-610	12.9	132
109	The effects of an acute psychological stressor on cardiovascular, endocrine, and cellular immune response: a prospective study of individuals high and low in heart rate reactivity. *Psychophysiology*, **1994**, 31, 264-71	4.1	127
108	Hostile behavior during marital conflict alters pituitary and adrenal hormones. *Psychosomatic Medicine*, **1994**, 56, 41-51	3.7	126
107	Phylogenetic Tree Construction Using Markov Chain Monte Carlo. *Journal of the American Statistical Association*, **2000**, 95, 493-508	2.8	125
106	Sex- and age-related differences in ceramide dihexosides of primary human brain tumors. *Lipids*, **1999**, 34, 1-4	1.6	117

105	The Triples Distance for Rooted Bifurcating Phylogenetic Trees. *Systematic Biology*, **1996**, 45, 323-334	8.4	114
104	Plasma cortisol levels and reactivation of latent Epstein-Barr virus in response to examination stress. *Psychoneuroendocrinology*, **1994**, 19, 765-72	5	110
103	The anatomical distribution of skin cancers. *International Journal of Epidemiology*, **1986**, 15, 502-6	7.8	106
102	miR-181b is a biomarker of disease progression in chronic lymphocytic leukemia. *Blood*, **2011**, 118, 3072-9	2.2	103
101	Retrospective analysis of the efficacy and tolerability of levetiracetam in brain tumor patients. *Journal of Neuro-Oncology*, **2006**, 78, 99-102	4.8	102
100	Influence of academic stress and season on 24-hour mean concentrations of ACTH, cortisol, and beta-endorphin. *Psychoneuroendocrinology*, **1995**, 20, 499-508	5	97
99	The prognostic significance of Ki-67 labeling indices for oligodendrogliomas. *Neurosurgery*, **1997**, 41, 878-84; discussion 884-5	3.2	94
98	Sphingosine-1-phosphate regulates glioblastoma cell invasiveness through the urokinase plasminogen activator system and CCN1/Cyr61. *Molecular Cancer Research*, **2009**, 7, 23-32	6.6	90
97	Small cell architecture--a histological equivalent of EGFR amplification in glioblastoma multiforme?. *Journal of Neuropathology and Experimental Neurology*, **2001**, 60, 1099-104	3.1	87
96	Ganglioside GM1 enhances induction by nerve growth factor of a putative dimer of TrkA. *Journal of Neurochemistry*, **1997**, 68, 2348-55	6	82
95	The incidence of the gene for thermolabile methylene tetrahydrofolate reductase in African Americans. *Thrombosis Research*, **1996**, 83, 195-8	8.2	80
94	Chemoprevention of oral cancer by black raspberries. *Anticancer Research*, **2002**, 22, 4005-15	2.3	80
93	Mutational spectrum in the neurofibromatosis type 2 gene in sporadic and familial schwannomas. *Human Genetics*, **1996**, 98, 189-93	6.3	59
92	Stochastic Search Strategy for Estimation of Maximum Likelihood Phylogenetic Trees. *Systematic Biology*, **2001**, 50, 7-17	8.4	57
91	The I1307K polymorphism of the APC gene in colorectal cancer. *Gastroenterology*, **1999**, 116, 58-63	13.3	55
90	Maximum tree: a consistent estimator of the species tree. *Journal of Mathematical Biology*, **2010**, 60, 95-106	2	51
89	Regulation of mycobacterial growth by the hypothalamus-pituitary-adrenal axis: differential responses of Mycobacterium bovis BCG-resistant and -susceptible mice. *Infection and Immunity*, **1993**, 61, 4793-800	3.7	49
88	Dietary tomato and lycopene impact androgen signaling- and carcinogenesis-related gene expression during early TRAMP prostate carcinogenesis. *Cancer Prevention Research*, **2014**, 7, 1228-39	3.2	47

87	The influence of academic stress and season on 24-hour concentrations of growth hormone and prolactin. *Journal of Clinical Endocrinology and Metabolism*, **1991**, 73, 1089-92	5.6	47
86	Reducing multidimensional two-sample data to one-dimensional interpoint comparisons. *Annals of Statistics*, **1996**, 24, 1069	3.2	46
85	Retrospective analysis of the efficacy and tolerability of levetiracetam in patients with metastatic brain tumors. *Journal of Neuro-Oncology*, **2007**, 84, 293-6	4.8	45
84	Restraint stress-induced suppression of major histocompatibility complex class II expression by murine peritoneal macrophages. *Journal of Neuroimmunology*, **1990**, 29, 125-30	3.5	42
83	Combination of drugs and drug-resistant reverse transcriptase results in a multiplicative increase of human immunodeficiency virus type 1 mutant frequencies. *Journal of Virology*, **2002**, 76, 9253-9	6.6	41
82	Assessing Scientific Practices Using Machine-Learning Methods: How Closely Do They Match Clinical Interview Performance?. *Journal of Science Education and Technology*, **2014**, 23, 160-182	2.8	40
81	Suppression of Proinflammatory and Prosurvival Biomarkers in Oral Cancer Patients Consuming a Black Raspberry Phytochemical-Rich Troche. *Cancer Prevention Research*, **2016**, 9, 159-71	3.2	36
80	Somatic INK4a-ARF locus mutations: a significant mechanism of gene inactivation in squamous cell carcinomas of the head and neck. *Molecular Carcinogenesis*, **2001**, 30, 26-36	5	36
79	The selective Aurora-A kinase inhibitor MLN8237 (alisertib) potently inhibits proliferation of glioblastoma neurosphere tumor stem-like cells and potentiates the effects of temozolomide and ionizing radiation. *Cancer Chemotherapy and Pharmacology*, **2014**, 73, 983-90	3.5	33
78	Gangliosides as diagnostic markers of human astrocytomas and primitive neuroectodermal tumors. *Cancer*, **1994**, 74, 3010-22	6.4	33
77	Induction of major histocompatibility complex class II glycoproteins by interferon-gamma: attenuation of the effects of restraint stress. *Journal of Neuroimmunology*, **1992**, 37, 115-22	3.5	33
76	Learning the Language of Evolution: Lexical Ambiguity and Word Meaning in Student Explanations. *Research in Science Education*, **2013**, 43, 1107-1133	1.5	32
75	Molecular markers that identify human astrocytomas and oligodendrogliomas. *Journal of Neuropathology and Experimental Neurology*, **2002**, 61, 329-38	3.1	32
74	Testing for the Potential for Nonresponse Bias in Sample Surveys. *Public Opinion Quarterly*, **1985**, 49, 553	2.5	32
73	The effect of adrenalectomy on the restraint stressed induced suppression of MHC class II expression by murine peritoneal macrophages. *Brain, Behavior, and Immunity*, **1993**, 7, 29-35	16.6	31
72	Theoretical foundations for quantitative paleogenetics. Part III: The molecular divergence of nucleic acids and proteins for the case of genetic events of unequal probability. *Journal of Molecular Evolution*, **1980**, 16, 211-67	3.1	31
71	Phylogenetic Tree Construction Using Markov Chain Monte Carlo		30
70	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Astrocytomas. *Neurosurgery*, **1994**, 35, 119-126	3.2	29

69	Oral tolerance in experimental autoimmune encephalomyelitis: serum and salivary antibody responses. *Journal of Neuroimmunology*, **1990**, 28, 15-26	3.5	29
68	Technical and statistical improvements for flow cytometric DNA analysis of paraffin-embedded tissue. *Cytometry*, **1988**, 9, 594-9		28
67	Carotene-9',10'-oxygenase status modulates the impact of dietary tomato and lycopene on hepatic nuclear receptor-, stress-, and metabolism-related gene expression in mice. *Journal of Nutrition*, **2014**, 144, 431-9	4.1	27
66	Functional Fun in Statistics Teaching: Resources, Research and Recommendations. *Journal of Statistics Education*, **2008**, 16,	1	23
65	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. *Neurosurgery*, **1994**, 34, 680-687	3.2	22
64	Population processes under the influence of disasters occurring independently of population size. *Journal of Mathematical Biology*, **1989**, 27, 167-178	2	22
63	Some statistical methods for phylogenetic trees with application to HIV disease. *Mathematical and Computer Modelling*, **2000**, 32, 69-81		21
62	Correlation of ganglioside patterns of primary brain tumors with survival. *Cancer*, **1995**, 75, 851-9	6.4	20
61	Mitosis identification in diffuse gliomas. *Cancer*, **1998**, 82, 1550-1555	6.4	19
60	Application of automated image analysis to demonstrate the correlation between ras p21 expression and severity of gliomas. *Biochemical and Biophysical Research Communications*, **1990**, 169, 482-91	3.4	19
59	In situ hybridization with single-stranded RNA probes to demonstrate infrequently elevated gli mRNA and no increased ras mRNA levels in meningiomas and astrocytomas. *Cancer Letters*, **1991**, 57, 243-53	9.9	19
58	Tangled trees: the challenge of inferring species trees from coalescent and noncoalescent genes. *Methods in Molecular Biology*, **2012**, 856, 3-28	1.4	17
57	Taxonomic utility of a phylogenetic analysis of phosphoglycerate kinase proteins of Archaea, Bacteria, and Eukaryota: insights by Bayesian analyses. *Molecular Phylogenetics and Evolution*, **2005**, 35, 420-30	4.1	17
56	Glycolipid markers of astrocytomas and oligodendrogliomas. *Journal of Neuropathology and Experimental Neurology*, **1999**, 58, 1250-62	3.1	17
55	Retroactive enhancement of a skin sensation by a delayed cortical stimulus in man: Evidence for delay of a conscious sensory experience. *Consciousness and Cognition*, **1992**, 1, 367-375	2.6	17
54	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. *Neurosurgery*, **1994**, 34, 680-687	3.2	17
53	Using a Constructed-Response Instrument to Explore the Effects of Item Position and Item Features on the Assessment of Students Written Scientific Explanations. *Research in Science Education*, **2015**, 45, 527-553	1.5	15
52	Modern Phylogenomics: Building Phylogenetic Trees Using the Multispecies Coalescent Model. *Methods in Molecular Biology*, **2019**, 1910, 211-239	1.4	15

51	Diagnostic and prognostic value of glycosyltransferase mRNA in glioblastoma multiforme patients. *Neuropathology and Applied Neurobiology*, **2006**, 32, 410-8	5.2	15
50	Assessing Fun Items' Effectiveness in Increasing Learning of College Introductory Statistics Students: Results of a Randomized Experiment. *Journal of Statistics Education*, **2016**, 24, 54-62	1	15
49	Immunohistochemical staining for ganglioside GD1b as a diagnostic and prognostic marker for primary human brain tumors. *Neuro-Oncology*, **1999**, 1, 261-7	1	13
48	Patterns of reactivity with anti-glycolipid antibodies in human primary brain tumors. *Journal of Neuroscience Research*, **1994**, 39, 148-58	4.4	13
47	Neutral glycolipid composition of primary human brain tumors. *Molecular and Chemical Neuropathology*, **1994**, 21, 241-57		10
46	Sensitivity of glioma and fetal brain cell lines to natural killer cytolysis in a monolayer assay. *Journal of Neuro-Oncology*, **1989**, 7, 145-50	4.8	10
45	Growth inhibition of cultured human glioma cells by beta-interferon is not dependent on changes in ganglioside composition. *Journal of Neuropathology and Experimental Neurology*, **1988**, 47, 119-27	3.1	10
44	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. *Journal of the American Statistical Association*, **1997**, 92, 577-586	2.8	9
43	Examining Gender Differences in Written Assessment Tasks in Biology: A Case Study of Evolutionary Explanations. *CBE Life Sciences Education*, **2016**, 15, ar2	3.4	8
42	The choice of reference gene affects statistical efficiency in quantitative PCR data analysis. *BioTechniques*, **2013**, 55, 207-9	2.5	8
41	Effects of ibuprofen topical gel on muscle soreness. *Medicine and Science in Sports and Exercise*, **2010**, 42, 614-21	1.2	8
40	Characterization of ACTH mediated suppression of MHC class II expression by murine peritoneal macrophages. *Journal of Neuroimmunology*, **1992**, 39, 133-8	3.5	8
39	A stochastic model for simulation of interactions between phytophagous spider mites and their phytoseiid predators. *Experimental and Applied Acarology*, **1989**, 7, 143-151	2.1	8
38	Effect of crush lesion on ganglioside radiolabelling patterns in rat sciatic nerve. *Journal of Neuropathology and Experimental Neurology*, **1990**, 49, 225-36	3.1	8
37	Effect of crush lesion on radiolabelling of ganglioside in rat peripheral nerve. *Journal of Neurochemistry*, **1988**, 50, 237-42	6	8
36	Estimation of evolutionary parameters with phylogenetic trees. *Journal of Molecular Evolution*, **2002**, 55, 684-95	3.1	7
35	Gangliosides and neutral glycolipids in ependymal, neuronal and primitive neuroectodermal tumors. *Journal of Molecular Neuroscience*, **1999**, 12, 111-21	3.3	7
34	Using Fun in the Statistics Classroom: An Exploratory Study of College Instructors' Hesitations and Motivations. *Journal of Statistics Education*, **2013**, 21,	1	6

33	Differences in the expression of histocompatibility antigen-DR and in anti-mycobacterial activity of monocytes from HIV-infected individuals. *Aids*, **1991**, 5, 1327-32	3.5	6
32	Nonuniform Molecular Divergence **1982**, 281-315		6
31	Mentoring Undergraduate Research in Statistics: Reaping the Benefits and Overcoming the Barriers. *Journal of Statistics Education*, **2020**, 28, 140-153	1	5
30	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. *Journal of the American Statistical Association*, **1997**, 92, 577	2.8	5
29	Linear birth and death processes under the influence of disasters with time-dependent killing probabilities. *Stochastic Processes and Their Applications*, **1993**, 45, 243-258	1.1	5
28	The bahadur efficiency of paired versus joint ranking procedures for pa1rwtse multiple comparisons. *Communications in Statistics - Theory and Methods*, **1984**, 13, 1471-1481	0.5	5
27	Developing Interactive Educational Songs for Introductory Statistics. *Journal of Statistics Education*, **2019**, 27, 238-252	1	5
26	Statistical edutainment: Reversing comparisons. *Teaching Statistics*, **2019**, 41, 118-122	0.6	4
25	Concentration of specific amino acids at the catalytic/active centers of highly-conserved "housekeeping" enzymes of central metabolism in archaea, bacteria and Eukaryota: is there a widely conserved chemical signal of prebiotic assembly?. *Origins of Life and Evolution of Biospheres*, **2010**, 40, 273-302	1.5	4
24	GM1 ganglioside and darkly staining neurons in brains of rats subjected to neonatal hypoxia-ischemia. *International Journal of Developmental Neuroscience*, **1994**, 12, 623-30	2.7	3
23	: A Web Computational Infrastructure for Exploring the Properties, Interrelations, and Applications of Probability Distributions. *Computational Statistics*, **2016**, 31, 559-577	1	3
22	Evolutionary conservation and structural localizations suggest a physical trace of metabolism's progressive geochronological emergence. *Journal of Biomolecular Structure and Dynamics*, **2020**, 38, 3700-3719	3.6	3
21	Statistical edutainment with confidence. *Teaching Statistics*, **2020**, 42, 23-27	0.6	2
20	Bayesian modelling of the dynamics of hepatotoxicity. *Statistics in Medicine*, **2007**, 26, 3591-611	2.3	2
19	Effects of GM1 and 2-deoxy-2,3-dehydro-N-acetylneuraminic acid (NeuAc2en) on neuroblastoma (Neuro 2a) and human glioma cells (U1242 MG). *Journal of Neuro-Oncology*, **1991**, 11, 199-205	4.8	2
18	Abstract 3701: Tomato carotenoids and testosterone modulate mRNA and miRNA profiles during prostate carcinogenesis. **2013**,		2
17	The Triples Distance for Rooted Bifurcating Phylogenetic Trees		2
16	Daily evening melatonin prolongs survival among patients with advanced non-small-cell lung cancer. *Biological Rhythm Research*,1-15	0.8	2

#	Publication		
15	Effects of Black Raspberries on Cellular and Epigenetic Biomarkers of Colon Cancer Development in Humans **2011**, 281-303		2
14	Statistical edutainment that counts. *Teaching Statistics*, **2020**, 42, 66-71	0.6	1
13	Uniquely localized intra-molecular amino acid concentrations at the glycolytic enzyme catalytic/active centers of Archaea, Bacteria and Eukaryota are associated with their proposed temporal appearances on earth. *Origins of Life and Evolution of Biospheres*, **2013**, 43, 161-87	1.5	1
12	Statistical edutainment: Correlation recreation. *Teaching Statistics*, **2020**, 42, 126-131	0.6	1
11	Statistical edutainment that lines up and fits. *Teaching Statistics*, **2021**, 43, 45-51	0.6	1
10	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas **1997**, 79, 1381		1
9	Statistical edutainment: Putting it to the test. *Teaching Statistics*, **2021**, 43, 92-99	0.6	0
8	Poll position: A sampling of statistical edutainment. *Teaching Statistics*, **2021**, 43, 124-128	0.6	0
7	DNA Sequence Evolution **2016**, 1-14		
6	Interview With Dennis Pearl. *Journal of Statistics Education*, **2017**, 25, 50-58		1
5	Evolution. Seeing the trees in your terrace. *Science*, **2011**, 333, 411-2		33.3
4	Electronic resources: the Ohio state university EESEE project. *Journal of Applied Mathematics and Decision Sciences*, **2003**, 7, 85-92		
3	High-dimensional simulation-based estimation. *Mathematical and Computer Modelling*, **2000**, 32, 27-51		
2	Effect of evening melatonin on the survival of patients with advanced non-small cell lung cancer (ANSCLC).. *Journal of Clinical Oncology*, **2014**, 32, e19068-e19068		2.2
1	Take a chance on statistical edutainment. *Teaching Statistics*, **2022**, 44, 34-42		0.6