

# Dennis Keith Pearl

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Take a chance on statistical edutainment. <i>Teaching Statistics</i> , <b>2022</b> , 44, 34-42	0.6	
121	Statistical edutainment: Putting it to the test. <i>Teaching Statistics</i> , <b>2021</b> , 43, 92-99	0.6	0
120	Poll position: A sampling of statistical edutainment. <i>Teaching Statistics</i> , <b>2021</b> , 43, 124-128	0.6	0
119	Statistical edutainment that lines up and fits. <i>Teaching Statistics</i> , <b>2021</b> , 43, 45-51	0.6	1
118	Statistical edutainment with confidence. <i>Teaching Statistics</i> , <b>2020</b> , 42, 23-27	0.6	2
117	Mentoring Undergraduate Research in Statistics: Reaping the Benefits and Overcoming the Barriers. <i>Journal of Statistics Education</i> , <b>2020</b> , 28, 140-153	1	5
116	Statistical edutainment that counts. <i>Teaching Statistics</i> , <b>2020</b> , 42, 66-71	0.6	1
115	Statistical edutainment: Correlation recreation. <i>Teaching Statistics</i> , <b>2020</b> , 42, 126-131	0.6	1
114	Evolutionary conservation and structural localizations suggest a physical trace of metabolism's progressive geochronological emergence. <i>Journal of Biomolecular Structure and Dynamics</i> , <b>2020</b> , 38, 3700-3719 <sup>3</sup>		
113	Statistical edutainment: Reversing comparisons. <i>Teaching Statistics</i> , <b>2019</b> , 41, 118-122	0.6	4
112	Modern Phylogenomics: Building Phylogenetic Trees Using the Multispecies Coalescent Model. <i>Methods in Molecular Biology</i> , <b>2019</b> , 1910, 211-239	1.4	15
111	Developing Interactive Educational Songs for Introductory Statistics. <i>Journal of Statistics Education</i> , <b>2019</b> , 27, 238-252	1	5
110	Interview With Dennis Pearl. <i>Journal of Statistics Education</i> , <b>2017</b> , 25, 50-58	1	
109	DNA Sequence Evolution <b>2016</b> , 1-14		
108	Examining Gender Differences in Written Assessment Tasks in Biology: A Case Study of Evolutionary Explanations. <i>CBE Life Sciences Education</i> , <b>2016</b> , 15, ar2	3.4	8
107	Suppression of Proinflammatory and Prosurvival Biomarkers in Oral Cancer Patients Consuming a Black Raspberry Phytochemical-Rich Troche. <i>Cancer Prevention Research</i> , <b>2016</b> , 9, 159-71	3.2	36
106	: A Web Computational Infrastructure for Exploring the Properties, Interrelations, and Applications of Probability Distributions. <i>Computational Statistics</i> , <b>2016</b> , 31, 559-577	1	3

105	Assessing Fun Items' Effectiveness in Increasing Learning of College Introductory Statistics Students: Results of a Randomized Experiment. <i>Journal of Statistics Education</i> , <b>2016</b> , 24, 54-62	1	15
104	Using a Constructed-Response Instrument to Explore the Effects of Item Position and Item Features on the Assessment of Students' Written Scientific Explanations. <i>Research in Science Education</i> , <b>2015</b> , 45, 527-553	1.5	15
103	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. <i>Cancer Chemotherapy and Pharmacology</i> , <b>2014</b> , 73, 983-90	3.5	33
102	Dietary tomato and lycopene impact androgen signaling- and carcinogenesis-related gene expression during early TRAMP prostate carcinogenesis. <i>Cancer Prevention Research</i> , <b>2014</b> , 7, 1228-39	3.2	47
101	β-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. <i>Journal of Nutrition</i> , <b>2014</b> , 144, 431-9	4.1	27
100	Assessing Scientific Practices Using Machine-Learning Methods: How Closely Do They Match Clinical Interview Performance?. <i>Journal of Science Education and Technology</i> , <b>2014</b> , 23, 160-182	2.8	40
99	Effect of evening melatonin on the survival of patients with advanced non-small cell lung cancer (ANSCLC).. <i>Journal of Clinical Oncology</i> , <b>2014</b> , 32, e19068-e19068	2.2	
98	Learning the Language of Evolution: Lexical Ambiguity and Word Meaning in Student Explanations. <i>Research in Science Education</i> , <b>2013</b> , 43, 1107-1133	1.5	32
97	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. <i>Origins of Life and Evolution of Biospheres</i> , <b>2013</b> , 43, 161-87	1.5	1
96	The choice of reference gene affects statistical efficiency in quantitative PCR data analysis. <i>BioTechniques</i> , <b>2013</b> , 55, 207-9	2.5	8
95	Using Fun in the Statistics Classroom: An Exploratory Study of College Instructors' Hesitations and Motivations. <i>Journal of Statistics Education</i> , <b>2013</b> , 21,	1	6
94	Abstract 3701: Tomato carotenoids and testosterone modulate mRNA and miRNA profiles during prostate carcinogenesis. <b>2013</b> ,		2
93	Tangled trees: the challenge of inferring species trees from coalescent and noncoalescent genes. <i>Methods in Molecular Biology</i> , <b>2012</b> , 856, 3-28	1.4	17
92	Evolution. Seeing the trees in your terrace. <i>Science</i> , <b>2011</b> , 333, 411-2	33.3	
91	miR-181b is a biomarker of disease progression in chronic lymphocytic leukemia. <i>Blood</i> , <b>2011</b> , 118, 3072-2	2	103
90	Modulation of genetic and epigenetic biomarkers of colorectal cancer in humans by black raspberries: a phase I pilot study. <i>Clinical Cancer Research</i> , <b>2011</b> , 17, 598-610	12.9	132
89	Effects of Black Raspberries on Cellular and Epigenetic Biomarkers of Colon Cancer Development in Humans <b>2011</b> , 281-303		2
88	Effects of ibuprofen topical gel on muscle soreness. <i>Medicine and Science in Sports and Exercise</i> , <b>2010</b> , 42, 614-21	1.2	8

87	Maximum tree: a consistent estimator of the species tree. <i>Journal of Mathematical Biology</i> , <b>2010</b> , 60, 95-106	2	51
86	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?. <i>Origins of Life and Evolution of Biospheres</i> , <b>2010</b> , 40, 273-302	1.5	4
85	Newborn and carrier screening for spinal muscular atrophy. <i>American Journal of Medical Genetics, Part A</i> , <b>2010</b> , 152A, 1608-16	2.5	172
84	Estimating species phylogenies using coalescence times among sequences. <i>Systematic Biology</i> , <b>2009</b> , 58, 468-77	8.4	342
83	Sphingosine-1-phosphate regulates glioblastoma cell invasiveness through the urokinase plasminogen activator system and CCN1/Cyr61. <i>Molecular Cancer Research</i> , <b>2009</b> , 7, 23-32	6.6	90
82	Coalescent methods for estimating phylogenetic trees. <i>Molecular Phylogenetics and Evolution</i> , <b>2009</b> , 53, 320-8	4.1	279
81	Functional Fun in Statistics Teaching: Resources, Research and Recommendations. <i>Journal of Statistics Education</i> , <b>2008</b> , 16,	1	23
80	Estimating species trees using multiple-allele DNA sequence data. <i>Evolution; International Journal of Organic Evolution</i> , <b>2008</b> , 62, 2080-91	3.8	177
79	High-resolution species trees without concatenation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2007</b> , 104, 5936-41	11.5	485
78	Species trees from gene trees: reconstructing Bayesian posterior distributions of a species phylogeny using estimated gene tree distributions. <i>Systematic Biology</i> , <b>2007</b> , 56, 504-14	8.4	379
77	Bayesian modelling of the dynamics of hepatotoxicity. <i>Statistics in Medicine</i> , <b>2007</b> , 26, 3591-611	2.3	2
76	Retrospective analysis of the efficacy and tolerability of levetiracetam in patients with metastatic brain tumors. <i>Journal of Neuro-Oncology</i> , <b>2007</b> , 84, 293-6	4.8	45
75	Diagnostic and prognostic value of glycosyltransferase mRNA in glioblastoma multiforme patients. <i>Neuropathology and Applied Neurobiology</i> , <b>2006</b> , 32, 410-8	5.2	15
74	Retrospective analysis of the efficacy and tolerability of levetiracetam in brain tumor patients. <i>Journal of Neuro-Oncology</i> , <b>2006</b> , 78, 99-102	4.8	102
73	Sphingosine kinase-1 expression correlates with poor survival of patients with glioblastoma multiforme: roles of sphingosine kinase isoforms in growth of glioblastoma cell lines. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2005</b> , 64, 695-705	3.1	265
72	Taxonomic utility of a phylogenetic analysis of phosphoglycerate kinase proteins of Archaea, Bacteria, and Eukaryota: insights by Bayesian analyses. <i>Molecular Phylogenetics and Evolution</i> , <b>2005</b> , 35, 420-30	4.1	17
71	Electronic resources: the Ohio state university EESEE project. <i>Journal of Applied Mathematics and Decision Sciences</i> , <b>2003</b> , 7, 85-92		
70	The major histocompatibility complex-related Fc receptor for IgG (FcRn) binds albumin and prolongs its lifespan. <i>Journal of Experimental Medicine</i> , <b>2003</b> , 197, 315-22	16.6	442

69	Estimation of evolutionary parameters with phylogenetic trees. <i>Journal of Molecular Evolution</i> , <b>2002</b> , 55, 684-95	3.1	7
68	Combination of drugs and drug-resistant reverse transcriptase results in a multiplicative increase of human immunodeficiency virus type 1 mutant frequencies. <i>Journal of Virology</i> , <b>2002</b> , 76, 9253-9	6.6	41
67	Molecular markers that identify human astrocytomas and oligodendrogliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2002</b> , 61, 329-38	3.1	32
66	Chemoprevention of oral cancer by black raspberries. <i>Anticancer Research</i> , <b>2002</b> , 22, 4005-15	2.3	80
65	Small cell architecture--a histological equivalent of EGFR amplification in glioblastoma multiforme?. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>2001</b> , 60, 1099-104	3.1	87
64	Somatic INK4a-ARF locus mutations: a significant mechanism of gene inactivation in squamous cell carcinomas of the head and neck. <i>Molecular Carcinogenesis</i> , <b>2001</b> , 30, 26-36	5	36
63	Stochastic Search Strategy for Estimation of Maximum Likelihood Phylogenetic Trees. <i>Systematic Biology</i> , <b>2001</b> , 50, 7-17	8.4	57
62	High-dimensional simulation-based estimation. <i>Mathematical and Computer Modelling</i> , <b>2000</b> , 32, 27-51		
61	Some statistical methods for phylogenetic trees with application to HIV disease. <i>Mathematical and Computer Modelling</i> , <b>2000</b> , 32, 69-81		21
60	Phylogenetic Tree Construction Using Markov Chain Monte Carlo. <i>Journal of the American Statistical Association</i> , <b>2000</b> , 95, 493-508	2.8	125
59	Immunohistochemical staining for ganglioside GD1b as a diagnostic and prognostic marker for primary human brain tumors. <i>Neuro-Oncology</i> , <b>1999</b> , 1, 261-7	1	13
58	Gangliosides and neutral glycolipids in ependymal, neuronal and primitive neuroectodermal tumors. <i>Journal of Molecular Neuroscience</i> , <b>1999</b> , 12, 111-21	3.3	7
57	Sex- and age-related differences in ceramide dihexosides of primary human brain tumors. <i>Lipids</i> , <b>1999</b> , 34, 1-4	1.6	117
56	The I1307K polymorphism of the APC gene in colorectal cancer. <i>Gastroenterology</i> , <b>1999</b> , 116, 58-63	13.3	55
55	Glycolipid markers of astrocytomas and oligodendrogliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>1999</b> , 58, 1250-62	3.1	17
54	Mitosis identification in diffuse gliomas. <i>Cancer</i> , <b>1998</b> , 82, 1550-1555	6.4	19
53	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. <i>Journal of the American Statistical Association</i> , <b>1997</b> , 92, 577	2.8	5
52	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. <i>Journal of the American Statistical Association</i> , <b>1997</b> , 92, 577-586	2.8	9

51	The prognostic significance of Ki-67 labeling indices for oligodendrogliomas. <i>Neurosurgery</i> , <b>1997</b> , 41, 878-84; discussion 884-5	3.2	94
50	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas. <i>Cancer</i> , <b>1997</b> , 79, 1381-93	6.4	423
49	Ganglioside GM1 enhances induction by nerve growth factor of a putative dimer of TrkA. <i>Journal of Neurochemistry</i> , <b>1997</b> , 68, 2348-55	6	82
48	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas <b>1997</b> , 79, 1381		1
47	The incidence of the gene for thermolabile methylene tetrahydrofolate reductase in African Americans. <i>Thrombosis Research</i> , <b>1996</b> , 83, 195-8	8.2	80
46	Reducing multidimensional two-sample data to one-dimensional interpoint comparisons. <i>Annals of Statistics</i> , <b>1996</b> , 24, 1069	3.2	46
45	Mutational spectrum in the neurofibromatosis type 2 gene in sporadic and familial schwannomas. <i>Human Genetics</i> , <b>1996</b> , 98, 189-93	6.3	59
44	The Triples Distance for Rooted Bifurcating Phylogenetic Trees. <i>Systematic Biology</i> , <b>1996</b> , 45, 323-334	8.4	114
43	Influence of academic stress and season on 24-hour mean concentrations of ACTH, cortisol, and beta-endorphin. <i>Psychoneuroendocrinology</i> , <b>1995</b> , 20, 499-508	5	97
42	Correlation of ganglioside patterns of primary brain tumors with survival. <i>Cancer</i> , <b>1995</b> , 75, 851-9	6.4	20
41	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. <i>Neurosurgery</i> , <b>1994</b> , 34, 680-687	3.2	22
40	Neutral glycolipid composition of primary human brain tumors. <i>Molecular and Chemical Neuropathology</i> , <b>1994</b> , 21, 241-57		10
39	Patterns of reactivity with anti-glycolipid antibodies in human primary brain tumors. <i>Journal of Neuroscience Research</i> , <b>1994</b> , 39, 148-58	4.4	13
38	Gangliosides as diagnostic markers of human astrocytomas and primitive neuroectodermal tumors. <i>Cancer</i> , <b>1994</b> , 74, 3010-22	6.4	33
37	Plasma cortisol levels and reactivation of latent Epstein-Barr virus in response to examination stress. <i>Psychoneuroendocrinology</i> , <b>1994</b> , 19, 765-72	5	110
36	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. <i>Psychophysiology</i> , <b>1994</b> , 31, 264-71	4.1	127
35	GM1 ganglioside and darkly staining neurons in brains of rats subjected to neonatal hypoxia-ischemia. <i>International Journal of Developmental Neuroscience</i> , <b>1994</b> , 12, 623-30	2.7	3
34	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Astrocytomas. <i>Neurosurgery</i> , <b>1994</b> , 35, 119-126	3.2	29

33	Hostile behavior during marital conflict alters pituitary and adrenal hormones. <i>Psychosomatic Medicine</i> , <b>1994</b> , 56, 41-51	3.7	126
32	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. <i>Neurosurgery</i> , <b>1994</b> , 34, 680-687	3.2	17
31	The effect of adrenalectomy on the restraint stressed induced suppression of MHC class II expression by murine peritoneal macrophages. <i>Brain, Behavior, and Immunity</i> , <b>1993</b> , 7, 29-35	16.6	31
30	Linear birth and death processes under the influence of disasters with time-dependent killing probabilities. <i>Stochastic Processes and Their Applications</i> , <b>1993</b> , 45, 243-258	1.1	5
29	Regulation of mycobacterial growth by the hypothalamus-pituitary-adrenal axis: differential responses of Mycobacterium bovis BCG-resistant and -susceptible mice. <i>Infection and Immunity</i> , <b>1993</b> , 61, 4793-800	3.7	49
28	Induction of major histocompatibility complex class II glycoproteins by interferon-gamma: attenuation of the effects of restraint stress. <i>Journal of Neuroimmunology</i> , <b>1992</b> , 37, 115-22	3.5	33
27	Characterization of ACTH mediated suppression of MHC class II expression by murine peritoneal macrophages. <i>Journal of Neuroimmunology</i> , <b>1992</b> , 39, 133-8	3.5	8
26	Retroactive enhancement of a skin sensation by a delayed cortical stimulus in man: Evidence for delay of a conscious sensory experience. <i>Consciousness and Cognition</i> , <b>1992</b> , 1, 367-375	2.6	17
25	Differences in the expression of histocompatibility antigen-DR and in anti-mycobacterial activity of monocytes from HIV-infected individuals. <i>Aids</i> , <b>1991</b> , 5, 1327-32	3.5	6
24	Effects of GM1 and 2-deoxy-2,3-dehydro-N-acetylneuraminic acid (NeuAc2en) on neuroblastoma (Neuro 2a) and human glioma cells (U1242 MG). <i>Journal of Neuro-Oncology</i> , <b>1991</b> , 11, 199-205	4.8	2
23	Control of the transition from sensory detection to sensory awareness in man by the duration of a thalamic stimulus. The cerebral 'time-on' factor. <i>Brain</i> , <b>1991</b> , 114 ( Pt 4), 1731-57	11.2	209
22	In situ hybridization with single-stranded RNA probes to demonstrate infrequently elevated gli mRNA and no increased ras mRNA levels in meningiomas and astrocytomas. <i>Cancer Letters</i> , <b>1991</b> , 57, 243-53	9.9	19
21	The influence of academic stress and season on 24-hour concentrations of growth hormone and prolactin. <i>Journal of Clinical Endocrinology and Metabolism</i> , <b>1991</b> , 73, 1089-92	5.6	47
20	Effect of crush lesion on ganglioside radiolabelling patterns in rat sciatic nerve. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>1990</b> , 49, 225-36	3.1	8
19	Oral tolerance in experimental autoimmune encephalomyelitis: serum and salivary antibody responses. <i>Journal of Neuroimmunology</i> , <b>1990</b> , 28, 15-26	3.5	29
18	Restraint stress-induced suppression of major histocompatibility complex class II expression by murine peritoneal macrophages. <i>Journal of Neuroimmunology</i> , <b>1990</b> , 29, 125-30	3.5	42
17	Application of automated image analysis to demonstrate the correlation between ras p21 expression and severity of gliomas. <i>Biochemical and Biophysical Research Communications</i> , <b>1990</b> , 169, 482-91	3.4	19
16	A stochastic model for simulation of interactions between phytophagous spider mites and their phytoseiid predators. <i>Experimental and Applied Acarology</i> , <b>1989</b> , 7, 143-151	2.1	8



15	Sensitivity of glioma and fetal brain cell lines to natural killer cytotoxicity in a monolayer assay. <i>Journal of Neuro-Oncology</i> , <b>1989</b> , 7, 145-50	4.8	10
14	Population processes under the influence of disasters occurring independently of population size. <i>Journal of Mathematical Biology</i> , <b>1989</b> , 27, 167-178	2	22
13	Technical and statistical improvements for flow cytometric DNA analysis of paraffin-embedded tissue. <i>Cytometry</i> , <b>1988</b> , 9, 594-9		28
12	Effect of crush lesion on radiolabelling of ganglioside in rat peripheral nerve. <i>Journal of Neurochemistry</i> , <b>1988</b> , 50, 237-42	6	8
11	Growth inhibition of cultured human glioma cells by beta-interferon is not dependent on changes in ganglioside composition. <i>Journal of Neuropathology and Experimental Neurology</i> , <b>1988</b> , 47, 119-27	3.1	10
10	The anatomical distribution of skin cancers. <i>International Journal of Epidemiology</i> , <b>1986</b> , 15, 502-6	7.8	106
9	Testing for the Potential for Nonresponse Bias in Sample Surveys. <i>Public Opinion Quarterly</i> , <b>1985</b> , 49, 553	2.5	32
8	The bahadur efficiency of paired versus joint ranking procedures for pairwise multiple comparisons. <i>Communications in Statistics - Theory and Methods</i> , <b>1984</b> , 13, 1471-1481	0.5	5
7	Time of conscious intention to act in relation to onset of cerebral activity (readiness-potential). The unconscious initiation of a freely voluntary act. <i>Brain</i> , <b>1983</b> , 106 (Pt 3), 623-42	11.2	1731
6	Nonuniform Molecular Divergence <b>1982</b> , 281-315		6
5	Theoretical foundations for quantitative paleogenetics. Part III: The molecular divergence of nucleic acids and proteins for the case of genetic events of unequal probability. <i>Journal of Molecular Evolution</i> , <b>1980</b> , 16, 211-67	3.1	31
4	Subjective referral of the timing for a conscious sensory experience: a functional role for the somatosensory specific projection system in man. <i>Brain</i> , <b>1979</b> , 102, 193-224	11.2	500
3	The Triples Distance for Rooted Bifurcating Phylogenetic Trees		2
2	Phylogenetic Tree Construction Using Markov Chain Monte Carlo		30
1	Daily evening melatonin prolongs survival among patients with advanced non-small-cell lung cancer. <i>Biological Rhythm Research</i> , 1-15	0.8	2