

# Dennis Keith Pearl

## List of Publications by Year in descending order

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127  
papers

10,486  
citations

66343

42  
h-index

32842

100  
g-index

131  
all docs

131  
docs citations

131  
times ranked

9461  
citing authors

#	ARTICLE	IF	CITATIONS
1	Daily evening melatonin prolongs survival among patients with advanced non-small-cell lung cancer. <i>Biological Rhythm Research</i> , 2022, 53, 1043-1057.	0.9	10
2	Statistical edutainment: A means to vary how we teach summary statistics. <i>Teaching Statistics</i> , 2022, 44, 82-89.	0.9	0
3	Take a chance on statistical edutainment. <i>Teaching Statistics</i> , 2022, 44, 34-42.	0.9	0
4	Statistical edutainment: You're the subject for our next subject!. <i>Teaching Statistics</i> , 2022, 44, 133-133.	0.9	1
5	Statistical edutainment that lines up and fits. <i>Teaching Statistics</i> , 2021, 43, 45-51.	0.9	5
6	Statistical edutainment: Putting it to the test. <i>Teaching Statistics</i> , 2021, 43, 92-99.	0.9	1
7	Poll position: A sampling of statistical edutainment. <i>Teaching Statistics</i> , 2021, 43, 124-128.	0.9	1
8	Student-Developed Shiny Applications for Teaching Statistics. <i>Journal of Statistics and Data Science Education</i> , 2021, 29, 218-227.	1.6	7
9	Evolutionary conservation and structural localizations suggest a physical trace of metabolism's progressive geochronological emergence. <i>Journal of Biomolecular Structure and Dynamics</i> , 2020, 38, 3700-3719.	3.5	3
10	Statistical edutainment: Correlation recreation. <i>Teaching Statistics</i> , 2020, 42, 126-131.	0.9	3
11	Statistical edutainment with confidence. <i>Teaching Statistics</i> , 2020, 42, 23-27.	0.9	4
12	Mentoring Undergraduate Research in Statistics: Reaping the Benefits and Overcoming the Barriers. <i>Journal of Statistics Education</i> , 2020, 28, 140-153.	1.4	12
13	Statistical edutainment that counts. <i>Teaching Statistics</i> , 2020, 42, 66-71.	0.9	1
14	Statistical edutainment: Reversing comparisons. <i>Teaching Statistics</i> , 2019, 41, 118-122.	0.9	7
15	Modern Phylogenomics: Building Phylogenetic Trees Using the Multispecies Coalescent Model. <i>Methods in Molecular Biology</i> , 2019, 1910, 211-239.	0.9	30
16	Developing Interactive Educational Songs for Introductory Statistics. <i>Journal of Statistics Education</i> , 2019, 27, 238-252.	1.4	10
17	Interview With Dennis Pearl. <i>Journal of Statistics Education</i> , 2017, 25, 50-58.	1.4	0
18	Probability Distributome: a web computational infrastructure for exploring the properties, interrelations, and applications of probability distributions. <i>Computational Statistics</i> , 2016, 31, 559-577.	1.5	4

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19	Assessing Fun Items' Effectiveness in Increasing Learning of College Introductory Statistics Students: Results of a Randomized Experiment. <i>Journal of Statistics Education</i> , 2016, 24, 54-62.	1.4	21
20	Examining Gender Differences in Written Assessment Tasks in Biology: A Case Study of Evolutionary Explanations. <i>CBE Life Sciences Education</i> , 2016, 15, ar2.	2.3	12
21	Suppression of Proinflammatory and Prosurvival Biomarkers in Oral Cancer Patients Consuming a Black Raspberry Phytochemical-Rich Troche. <i>Cancer Prevention Research</i> , 2016, 9, 159-171.	1.5	50
22	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> , 2015, 45, 527-553.	2.3	23
23	Syrus. , 2014, , .		0
24	Î²-Carotene-9â€²,10â€²-Oxygenase Status Modulates the Impact of Dietary Tomato and Lycopene on Hepatic Nuclear Receptorâ€™, Stress-, and Metabolism-Related Gene Expression in Mice. <i>Journal of Nutrition</i> , 2014, 144, 431-439.	2.9	34
25	Assessing Scientific Practices Using Machine-Learning Methods: How Closely Do They Match Clinical Interview Performance?. <i>Journal of Science Education and Technology</i> , 2014, 23, 160-182.	3.9	52
26	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> , 2014, 73, 983-90.	2.3	36
27	Dietary Tomato and Lycopene Impact Androgen Signaling- and Carcinogenesis-Related Gene Expression during Early TRAMP Prostate Carcinogenesis. <i>Cancer Prevention Research</i> , 2014, 7, 1228-1239.	1.5	60
28	Effect of evening melatonin on the survival of patients with advanced non-small cell lung cancer (ANSCLC).. <i>Journal of Clinical Oncology</i> , 2014, 32, e19068-e19068.	1.6	0
29	Learning the Language of Evolution: Lexical Ambiguity and Word Meaning in Student Explanations. <i>Research in Science Education</i> , 2013, 43, 1107-1133.	2.3	52
30	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> , 2013, 43, 161-187.	1.9	2
31	The choice of reference gene affects statistical efficiency in quantitative PCR data analysis. <i>BioTechniques</i> , 2013, 55, 207-209.	1.8	8
32	Using Fun in the Statistics Classroom: An Exploratory Study of College Instructors' Hesitations and Motivations. <i>Journal of Statistics Education</i> , 2013, 21, .	1.4	9
33	Abstract 3701: Tomato carotenoids and testosterone modulate mRNA and miRNA profiles during prostate carcinogenesis.. , 2013, , .		2
34	Abstract 4680: Biomarkers of adherence and efficacy: modulation of biomarkers of DNA damage in a Phase 1b trial of post-surgical oral cancer patients on a long-term food-based prevention study with black raspberries.. , 2013, , .		0
35	Tangled Trees: The Challenge of Inferring Species Trees from Coalescent and Noncoalescent Genes. <i>Methods in Molecular Biology</i> , 2012, 856, 3-28.	0.9	21
36	Seeing the Trees in Your Terrace. <i>Science</i> , 2011, 333, 411-412.	12.6	0

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37	miR-181b is a biomarker of disease progression in chronic lymphocytic leukemia. <i>Blood</i> , 2011, 118, 3072-3079.	1.4	115
38	Modulation of Genetic and Epigenetic Biomarkers of Colorectal Cancer in Humans by Black Raspberries: A Phase I Pilot Study. <i>Clinical Cancer Research</i> , 2011, 17, 598-610.	7.0	156
39	Effects of Black Raspberries on Cellular and Epigenetic Biomarkers of Colon Cancer Development in Humans. , 2011, , 281-303.		2
40	Effects of Ibuprofen Topical Gel on Muscle Soreness. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 614-621.	0.4	10
41	Maximum tree: a consistent estimator of the species tree. <i>Journal of Mathematical Biology</i> , 2010, 60, 95-106.	1.9	74
42	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> , 2010, 40, 273-302.	1.9	4
43	Newborn and carrier screening for spinal muscular atrophy. <i>American Journal of Medical Genetics, Part A</i> , 2010, 152A, 1608-1616.	1.2	217
44	Estimating Species Phylogenies Using Coalescence Times among Sequences. <i>Systematic Biology</i> , 2009, 58, 468-477.	5.6	410
45	Sphingosine-1-Phosphate Regulates Glioblastoma Cell Invasiveness through the Urokinase Plasminogen Activator System and CCN1/Cyr61. <i>Molecular Cancer Research</i> , 2009, 7, 23-32.	3.4	101
46	Coalescent methods for estimating phylogenetic trees. <i>Molecular Phylogenetics and Evolution</i> , 2009, 53, 320-328.	2.7	353
47	ESTIMATING SPECIES TREES USING MULTIPLE-ALLELE DNA SEQUENCE DATA. <i>Evolution; International Journal of Organic Evolution</i> , 2008, 62, 2080-2091.	2.3	189
48	Functional Fun in Statistics Teaching: Resources, Research and Recommendations. <i>Journal of Statistics Education</i> , 2008, 16, .	1.4	34
49	High-resolution species trees without concatenation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 5936-5941.	7.1	530
50	Species Trees from Gene Trees: Reconstructing Bayesian Posterior Distributions of a Species Phylogeny Using Estimated Gene Tree Distributions. <i>Systematic Biology</i> , 2007, 56, 504-514.	5.6	434
51	Bayesian modelling of the dynamics of hepatotoxicity. <i>Statistics in Medicine</i> , 2007, 26, 3591-3611.	1.6	2
52	Retrospective analysis of the efficacy and tolerability of levetiracetam in patients with metastatic brain tumors. <i>Journal of Neuro-Oncology</i> , 2007, 84, 293-296.	2.9	45
53	Diagnostic and prognostic value of glycosyltransferase mRNA in glioblastoma multiforme patients. <i>Neuropathology and Applied Neurobiology</i> , 2006, 32, 410-418.	3.2	19
54	Retrospective analysis of the efficacy and tolerability of levetiracetam in brain tumor patients. <i>Journal of Neuro-Oncology</i> , 2006, 78, 99-102.	2.9	114

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55	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> , 2005, 64, 695-705.	1.7	297
56	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> , 2005, 35, 420-430.	2.7	17
57	The Major Histocompatibility Complex-related Fc Receptor for IgG (FcRn) Binds Albumin and Prolongs Its Lifespan. <i>Journal of Experimental Medicine</i> , 2003, 197, 315-322.	8.5	537
58	Electronic resources: the Ohio state university EESEE project. <i>Journal of Applied Mathematics and Decision Sciences</i> , 2003, 7, 85-92.	0.4	1
59	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> , 2002, 76, 9253-9259.	3.4	42
60	Molecular Markers that Identify Human Astrocytomas and Oligodendrogliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 2002, 61, 329-338.	1.7	37
61	Estimation of Evolutionary Parameters with Phylogenetic Trees. <i>Journal of Molecular Evolution</i> , 2002, 55, 684-695.	1.8	7
62	Chemoprevention of oral cancer by black raspberries. <i>Anticancer Research</i> , 2002, 22, 4005-15.	1.1	87
63	Small Cell Architecture—A Histological Equivalent of EGFR Amplification in Glioblastoma Multiforme?. <i>Journal of Neuropathology and Experimental Neurology</i> , 2001, 60, 1099-1104.	1.7	102
64	SomaticINK4a-ARF locus mutations: A significant mechanism of gene inactivation in squamous cell carcinomas of the head and neck. <i>Molecular Carcinogenesis</i> , 2001, 30, 26-36.	2.7	43
65	Stochastic Search Strategy for Estimation of Maximum Likelihood Phylogenetic Trees. <i>Systematic Biology</i> , 2001, 50, 7-17.	5.6	78
66	High-dimensional simulation-based estimation. <i>Mathematical and Computer Modelling</i> , 2000, 32, 27-51.	2.0	0
67	Some statistical methods for phylogenetic trees with application to HIV disease. <i>Mathematical and Computer Modelling</i> , 2000, 32, 69-81.	2.0	27
68	Phylogenetic Tree Construction Using Markov Chain Monte Carlo. <i>Journal of the American Statistical Association</i> , 2000, 95, 493-508.	3.1	186
69	Phylogenetic Tree Construction Using Markov Chain Monte Carlo. <i>Journal of the American Statistical Association</i> , 2000, 95, 493.	3.1	45
70	Immunohistochemical staining for ganglioside GD1b as a diagnostic and prognostic marker for primary human brain tumors. <i>Neuro-Oncology</i> , 1999, 1, 261-267.	1.2	14
71	Gangliosides and neutral glycolipids in ependymal, neuronal and primitive neuroectodermal tumors. <i>Journal of Molecular Neuroscience</i> , 1999, 12, 111-121.	2.3	7
72	Sex-and age-related differences in ceramide dihexosides of primary human brain tumors. <i>Lipids</i> , 1999, 34, 1-4.	1.7	126

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73	The I1307K polymorphism of the APC gene in colorectal cancer. <i>Gastroenterology</i> , 1999, 116, 58-63.	1.3	65
74	Glycolipid Markers of Astrocytomas and Oligodendrogliomas. <i>Journal of Neuropathology and Experimental Neurology</i> , 1999, 58, 1250-1262.	1.7	20
75	Mitosis identification in diffuse gliomas. <i>Cancer</i> , 1998, 82, 1550-1555.	4.1	22
76	ASIALO-GM1 AND PARAGLOBOSIDE AS DIAGNOSTIC MARKERS OF OLIGODENDROGLIOMA AND ASTROCYTOMA. <i>Journal of Neuropathology and Experimental Neurology</i> , 1998, 57, 498.	1.7	0
77	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. <i>Journal of the American Statistical Association</i> , 1997, 92, 577.	3.1	8
78	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. <i>Journal of the American Statistical Association</i> , 1997, 92, 577-586.	3.1	16
79	The Prognostic Significance of Ki-67 Labeling Indices for Oligodendrogliomas. <i>Neurosurgery</i> , 1997, 41, 878-885.	1.1	108
80	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas. <i>Cancer</i> , 1997, 79, 1381-1393.	4.1	496
81	Ganglioside GM1 Enhances Induction by Nerve Growth Factor of a Putative Dimer of TrkA. <i>Journal of Neurochemistry</i> , 1997, 68, 2348-2355.	3.9	96
82	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas. , 1997, 79, 1381.		1
83	THE INCIDENCE OF THE GENE FOR THERMOLABILE METHYLENE TETRAHYDROFOLATE REDUCTASE IN AFRICAN AMERICANS. <i>Thrombosis Research</i> , 1996, 83, 195-198.	1.7	88
84	Reducing multidimensional two-sample data to one-dimensional interpoint comparisons. <i>Annals of Statistics</i> , 1996, 24, 1069.	2.6	57
85	Mutational spectrum in the neurofibromatosis type 2 gene in sporadic and familial schwannomas. <i>Human Genetics</i> , 1996, 98, 189-193.	3.8	68
86	The Triples Distance for Rooted Bifurcating Phylogenetic Trees. <i>Systematic Biology</i> , 1996, 45, 323-334.	5.6	137
87	The Triples Distance for Rooted Bifurcating Phylogenetic Trees. <i>Systematic Biology</i> , 1996, 45, 323.	5.6	2
88	Correlation of ganglioside patterns of primary brain tumors with survival. <i>Cancer</i> , 1995, 75, 851-859.	4.1	22
89	Influence of academic stress and season on 24-hour mean concentrations of ACTH, cortisol, and $\beta$ -endorphin. <i>Psychoneuroendocrinology</i> , 1995, 20, 499-508.	2.7	114
90	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. <i>Neurosurgery</i> , 1994, 34, 680-687.	1.1	22

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91	Neutral glycolipid composition of primary human brain tumors. <i>Molecular and Chemical Neuropathology</i> , 1994, 21, 241-57.	1.0	10
92	Patterns of reactivity with anti-glycolipid antibodies in human primary brain tumors. <i>Journal of Neuroscience Research</i> , 1994, 39, 148-158.	2.9	14
93	Gangliosides as diagnostic markers of human astrocytomas and primitive neuroectodermal tumors. <i>Cancer</i> , 1994, 74, 3010-3022.	4.1	36
94	Plasma cortisol levels and reactivation of latent Epstein-Barr virus in response to examination stress. <i>Psychoneuroendocrinology</i> , 1994, 19, 765-772.	2.7	130
95	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> , 1994, 31, 264-271.	2.4	145
96	Gm1 ganglioside and darkly staining neurons in brains of rats subjected to neonatal hypoxia-ischemia. <i>International Journal of Developmental Neuroscience</i> , 1994, 12, 623-630.	1.6	3
97	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Astrocytomas. <i>Neurosurgery</i> , 1994, 35, 119-126.	1.1	31
98	Hostile behavior during marital conflict alters pituitary and adrenal hormones.. <i>Psychosomatic Medicine</i> , 1994, 56, 41-51.	2.0	163
99	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. <i>Neurosurgery</i> , 1994, 34, 680-687.	1.1	25
100	Linear birth and death processes under the influence of disasters with time-dependent killing probabilities. <i>Stochastic Processes and Their Applications</i> , 1993, 45, 243-258.	0.9	6
101	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> , 1993, 7, 29-35.	4.1	37
102	Regulation of mycobacterial growth by the hypothalamus-pituitary-adrenal axis: differential responses of <i>Mycobacterium bovis</i> BCG-resistant and -susceptible mice. <i>Infection and Immunity</i> , 1993, 61, 4793-4800.	2.2	60
103	Induction of major histocompatibility complex class II glycoproteins by interferon- $\beta$ : attenuation of the effects of restraint stress. <i>Journal of Neuroimmunology</i> , 1992, 37, 115-122.	2.3	37
104	Characterization of ACTH mediated suppression of MHC class II expression by murine peritoneal macrophages. <i>Journal of Neuroimmunology</i> , 1992, 39, 133-138.	2.3	11
105	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> , 1992, 1, 367-375.	1.5	19
106	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> , 1991, 57, 243-253.	7.2	20
107	The Influence of Academic Stress and Season on 24-Hour Concentrations of Growth Hormone and Prolactin*. <i>Journal of Clinical Endocrinology and Metabolism</i> , 1991, 73, 1089-1092.	3.6	53
108	Differences in the expression of histocompatibility antigen-DR and in anti-Mycobacterial activity of monocytes from HIV-infected individuals. <i>Aids</i> , 1991, 5, 1327-1332.	2.2	8

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109	Effects of GM1 and 2-Deoxy-2,3-dehydro-N-acetylneuraminic acid (NeuAc2en) on neuroblastoma (Neuro) Tj ETQq1 J. 0.784314 rgBT / 0v	2.9	12
110	CONTROL OF THE TRANSITION FROM SENSORY DETECTION TO SENSORY AWARENESS IN MAN BY THE DURATION OF A THALAMIC STIMULUS. Brain, 1991, 114, 1731-1757.	7.6	225
111	Effect of Crush Lesion on Ganglioside Radiolabelling Patterns in Rat Sciatic Nerve. Journal of Neuropathology and Experimental Neurology, 1990, 49, 225-236.	1.7	8
112	Oral tolerance in experimental autoimmune encephalomyelitis: serum and salivary antibody responses. Journal of Neuroimmunology, 1990, 28, 15-26.	2.3	31
113	Restraint stress-induced suppression of major histocompatibility complex class II expression by murine peritoneal macrophages. Journal of Neuroimmunology, 1990, 29, 125-130.	2.3	49
114	Application of automated image analysis to demonstrate the correlation between ras p21 expression and severity of gliomas. Biochemical and Biophysical Research Communications, 1990, 169, 482-491.	2.1	20
115	A stochastic model for simulation of interactions between phytophagous spider mites and their phytoseiid predators. Experimental and Applied Acarology, 1989, 7, 143-151.	1.6	9
116	Sensitivity of glioma and fetal brain cell lines to natural killer cytotoxicity in a monolayer assay. Journal of Neuro-Oncology, 1989, 7, 145-152.	2.9	11
117	Population processes under the influence of disasters occurring independently of population size. Journal of Mathematical Biology, 1989, 27, 167-178.	1.9	28
118	Technical and statistical improvements for flow cytometric DNA analysis of paraffin-embedded tissue. Cytometry, 1988, 9, 594-599.	1.8	38
119	Effect of Crush Lesion on Radiolabelling of Ganglioside in Rat Peripheral Nerve. Journal of Neurochemistry, 1988, 50, 237-242.	3.9	8
120	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, 119-127.	1.7	13
121	The Penalty for Assuming that a Monotone Regression is Linear. Annals of Statistics, 1987, 15, 443.	2.6	3
122	The Anatomical Distribution of Skin Cancers. International Journal of Epidemiology, 1986, 15, 502-506.	1.9	117
123	Testing for the Potential for Nonresponse Bias in Sample Surveys. Public Opinion Quarterly, 1985, 49, 553.	1.6	43
124	The bahadur efficiency of paired versus joint ranking procedures for pairwise multiple comparisons. Communications in Statistics - Theory and Methods, 1984, 13, 1471-1481.	1.0	7
125	TIME OF CONSCIOUS INTENTION TO ACT IN RELATION TO ONSET OF CEREBRAL ACTIVITY (READINESS-POTENTIAL). Brain, 1983, 106, 623-642.	7.6	2,185
126	Theoretical foundations for quantitative paleogenetics. Journal of Molecular Evolution, 1980, 16, 211-267.	1.8	36



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127	SUBJECTIVE REFERRAL OF THE TIMING FOR A CONSCIOUS SENSORY EXPERIENCE. <i>Brain</i> , 1979, 102, 193-224.	7.6	551