Dennis Keith Pearl

List of Publications by Year
in descending order

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	TIME OF CONSCIOUS INTENTION TO ACT IN RELATION TO ONSET OF CEREBRAL ACTIVITY (READINESS-POTENTIAL). Brain, 1983, 106, 623-642.	7.6	2,185
2	SUBJECTIVE REFERRAL OF THE TIMING FOR A CONSCIOUS SENSORY EXPERIENCE. Brain, 1979, 102, 193-224.	7.6	551
3	The Major Histocompatibility Complex–related Fc Receptor for IgG (FcRn) Binds Albumin and Prolongs Its Lifespan. Journal of Experimental Medicine, 2003, 197, 315-322.	8.5	537
4	High-resolution species trees without concatenation. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 5936-5941.	7.1	530
5	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas. Cancer, 1997, 79, 1381-1393.	4.1	496
6	Species Trees from Gene Trees: Reconstructing Bayesian Posterior Distributions of a Species Phylogeny Using Estimated Gene Tree Distributions. Systematic Biology, 2007, 56, 504-514.	5.6	434
7	Estimating Species Phylogenies Using Coalescence Times among Sequences. Systematic Biology, 2009, 58, 468-477.	5.6	410
8	Coalescent methods for estimating phylogenetic trees. Molecular Phylogenetics and Evolution, 2009, 53, 320-328.	2.7	353
9	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.	1.7	297
10	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
11	Newborn and carrier screening for spinal muscular atrophy. American Journal of Medical Genetics, Part A, 2010, 152A, 1608-1616.	1.2	217
12	ESTIMATING SPECIES TREES USING MULTIPLE-ALLELE DNA SEQUENCE DATA. Evolution; International Journal of Organic Evolution, 2008, 62, 2080-2091.	2.3	189
13	Phylogenetic Tree Construction Using Markov Chain Monte Carlo. Journal of the American Statistical Association, 2000, 95, 493-508.	3.1	186
14	Hostile behavior during marital conflict alters pituitary and adrenal hormones.. Psychosomatic Medicine, 1994, 56, 41-51.	2.0	163
15	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.	7.0	156
16	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, 264-271.	2.4	145
17	The Triples Distance for Rooted Bifurcating Phylogenetic Trees. Systematic Biology, 1996, 45, 323-334.	5.6	137
18	Plasma cortisol levels and reactivation of latent Epstein-Barr virus in response to examination stress. Psychoneuroendocrinology, 1994, 19, 765-772.	2.7	130

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19	Sex-and age-related differences in ceramide dihexosides of primary human brain tumors. Lipids, 1999, 34, 1-4.	1.7	126
20	The Anatomical Distribution of Skin Cancers. International Journal of Epidemiology, 1986, 15, 502-506.	1.9	117
21	miR-181b is a biomarker of disease progression in chronic lymphocytic leukemia. Blood, 2011, 118, 3072-3079.	1.4	115
22	Influence of academic stress and season on 24-hour mean concentrations of ACTH, cortisol, and Î²-endorphin. Psychoneuroendocrinology, 1995, 20, 499-508.	2.7	114
23	Retrospective analysis of the efficacy and tolerability of levetiracetam in brain tumor patients. Journal of Neuro-Oncology, 2006, 78, 99-102.	2.9	114
24	The Prognostic Significance of Ki-67 Labeling Indices for Oligodendrogliomas. Neurosurgery, 1997, 41, 878-885.	1.1	108
25	Small Cell Architectureâ€"A Histological Equivalent of EGFR Amplification in Glioblastoma Multiforme?. Journal of Neuropathology and Experimental Neurology, 2001, 60, 1099-1104.	1.7	102
26	Sphingosine-1-Phosphate Regulates Glioblastoma Cell Invasiveness through the Urokinase Plasminogen Activator System and CCN1/Cyr61. Molecular Cancer Research, 2009, 7, 23-32.	3.4	101
27	Ganglioside GM1 Enhances Induction by Nerve Growth Factor of a Putative Dimer of TrkA. Journal of Neurochemistry, 1997, 68, 2348-2355.	3.9	96
28	THE INCIDENCE OF THE GENE FOR THERMOLABILE METHYLENE TETRAHYDROFOLATE REDUCTASE IN AFRICAN AMERICANS. Thrombosis Research, 1996, 83, 195-198.	1.7	88
29	Chemoprevention of oral cancer by black raspberries. Anticancer Research, 2002, 22, 4005-15.	1.1	87
30	Stochastic Search Strategy for Estimation of Maximum Likelihood Phylogenetic Trees. Systematic Biology, 2001, 50, 7-17.	5.6	78
31	Maximum tree: a consistent estimator of the species tree. Journal of Mathematical Biology, 2010, 60, 95-106.	1.9	74
32	Mutational spectrum in the neurofibromatosis type 2 gene in sporadic and familial schwannomas. Human Genetics, 1996, 98, 189-193.	3.8	68
33	The I1307K polymorphism of the APC gene in colorectal cancer. Gastroenterology, 1999, 116, 58-63.	1.3	65
34	Dietary Tomato and Lycopene Impact Androgen Signaling- and Carcinogenesis-Related Gene Expression during Early TRAMP Prostate Carcinogenesis. Cancer Prevention Research, 2014, 7, 1228-1239.	1.5	60
35	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, 4793-4800.	2.2	60
36	Reducing multidimensional two-sample data to one-dimensional interpoint comparisons. Annals of Statistics, 1996, 24, 1069.	2.6	57

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37	The Influence of Academic Stress and Season on 24-Hour Concentrations of Growth Hormone and Prolactin*. Journal of Clinical Endocrinology and Metabolism, 1991, 73, 1089-1092.	3.6	53
38	Learning the Language of Evolution: Lexical Ambiguity and Word Meaning in Student Explanations. Research in Science Education, 2013, 43, 1107-1133.	2.3	52
39	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.	3.9	52
40	Suppression of Proinflammatory and Prosurvival Biomarkers in Oral Cancer Patients Consuming a Black Raspberry Phytochemical-Rich Troche. Cancer Prevention Research, 2016, 9, 159-171.	1.5	50
41	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
42	Retrospective analysis of the efficacy and tolerability of levetiracetam in patients with metastatic brain tumors. Journal of Neuro-Oncology, 2007, 84, 293-296.	2.9	45
43	Phylogenetic Tree Construction Using Markov Chain Monte Carlo. Journal of the American Statistical Association, 2000, 95, 493.	3.1	45
44	Testing for the Potential for Nonresponse Bias in Sample Surveys. Public Opinion Quarterly, 1985, 49, 553.	1.6	43
45	SomaticINK4a-ARF locus mutations: A significant mechanism of gene inactivation in squamous cell carcinomas of the head and neck. Molecular Carcinogenesis, 2001, 30, 26-36.	2.7	43
46	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, 9253-9259.	3.4	42
47	Technical and statistical improvements for flow cytometric DNA analysis of paraffin-embedded tissue. Cytometry, 1988, 9, 594-599.	1.8	38
48	Induction of major histocompatibility complex class II glycoproteins by interferon-Î³: attenuation of the effects of restraint stress. Journal of Neuroimmunology, 1992, 37, 115-122.	2.3	37
49	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.	4.1	37
50	Molecular Markers that Identify Human Astrocytomas and Oligodendrogliomas. Journal of Neuropathology and Experimental Neurology, 2002, 61, 329-338.	1.7	37
51	Theoretical foundations for quantitative paleogenetics. Journal of Molecular Evolution, 1980, 16, 211-267.	1.8	36
52	Gangliosides as diagnostic markers of human astrocytomas and primitive neuroectodermal tumors. Cancer, 1994, 74, 3010-3022.	4.1	36
53	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.	2.3	36
54	Functional Fun in Statistics Teaching: Resources, Research and Recommendations. Journal of Statistics Education, 2008, 16, .	1.4	34

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55	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. Journal of Nutrition, 2014, 144, 431-439.	2.9	34
56	Oral tolerance in experimental autoimmune encephalomyelitis: serum and salivary antibody responses. Journal of Neuroimmunology, 1990, 28, 15-26.	2.3	31
57	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Astrocytomas. Neurosurgery, 1994, 35, 119-126.	1.1	31
58	Modern Phylogenomics: Building Phylogenetic Trees Using the Multispecies Coalescent Model. Methods in Molecular Biology, 2019, 1910, 211-239.	0.9	30
59	Population processes under the influence of disasters occurring independently of population size. Journal of Mathematical Biology, 1989, 27, 167-178.	1.9	28
60	Some statistical methods for phylogenetic trees with application to HIV disease. Mathematical and Computer Modelling, 2000, 32, 69-81.	2.0	27
61	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. Neurosurgery, 1994, 34, 680-687.	1.1	25
62	Using a Constructed-Response Instrument to Explore the Effects of Item Position and Item Features on the Assessment of Studentsâ€™ Written Scientific Explanations. Research in Science Education, 2015, 45, 527-553.	2.3	23
63	Prognostic Significance of Flow Cytometry Deoxyribonucleic Acid Analysis of Human Oligodendrogliomas. Neurosurgery, 1994, 34, 680-687.	1.1	22
64	Correlation of ganglioside patterns of primary brain tumors with survival. Cancer, 1995, 75, 851-859.	4.1	22
65	Mitosis identification in diffuse gliomas. Cancer, 1998, 82, 1550-1555.	4.1	22
66	Tangled Trees: The Challenge of Inferring Species Trees from Coalescent and Noncoalescent Genes. Methods in Molecular Biology, 2012, 856, 3-28.	0.9	21
67	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.	1.4	21
68	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
69	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, 243-253.	7.2	20
70	Glycolipid Markers of Astrocytomas and Oligodendrogliomas. Journal of Neuropathology and Experimental Neurology, 1999, 58, 1250-1262.	1.7	20
71	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.	1.5	19
72	Diagnostic and prognostic value of glycosyltransferase mRNA in glioblastoma multiforme patients. Neuropathology and Applied Neurobiology, 2006, 32, 410-418.	3.2	19

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73	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, 420-430.	2.7	17
74	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. Journal of the American Statistical Association, 1997, 92, 577-586.	3.1	16
75	Patterns of reactivity with anti-glycolipid antibodies in human primary brain tumors. Journal of Neuroscience Research, 1994, 39, 148-158.	2.9	14
76	Immunohistochemical staining for ganglioside GD1b as a diagnostic and prognostic marker for primary human brain tumors. Neuro-Oncology, 1999, 1, 261-267.	1.2	14
77	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
78	Examining Gender Differences in Written Assessment Tasks in Biology: A Case Study of Evolutionary Explanations. CBE Life Sciences Education, 2016, 15, ar2.	2.3	12
79	Mentoring Undergraduate Research in Statistics: Reaping the Benefits and Overcoming the Barriers. Journal of Statistics Education, 2020, 28, 140-153.	1.4	12
80	Sensitivity of glioma and fetal brain cell lines to natural killer cytolysis in a monolayer assay. Journal of Neuro-Oncology, 1989, 7, 145-152.	2.9	11
81	Characterization of ACTH mediated suppression of MHC class II expression by murine peritoneal macrophages. Journal of Neuroimmunology, 1992, 39, 133-138.	2.3	11
82	Neutral glycolipid composition of primary human brain tumors. Molecular and Chemical Neuropathology, 1994, 21, 241-57.	1.0	10
83	Effects of Ibuprofen Topical Gel on Muscle Soreness. Medicine and Science in Sports and Exercise, 2010, 42, 614-621.	0.4	10
84	Developing Interactive Educational Songs for Introductory Statistics. Journal of Statistics Education, 2019, 27, 238-252.	1.4	10
85	Daily evening melatonin prolongs survival among patients with advanced non-small-cell lung cancer. Biological Rhythm Research, 2022, 53, 1043-1057.	0.9	10
86	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
87	Using Fun in the Statistics Classroom: An Exploratory Study of College Instructors' Hesitations and Motivations. Journal of Statistics Education, 2013, 21, .	1.4	9
88	Effect of Crush Lesion on Radiolabelling of Ganglioside in Rat Peripheral Nerve. Journal of Neurochemistry, 1988, 50, 237-242.	3.9	8
89	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
90	Differences in the expression of histocompatibility antigen-DR and in anti-Mycobacterial activity of monocytes from HIV-infected individuals. Aids, 1991, 5, 1327-1332.	2.2	8

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91	A Multidimensional Goodness-of-Fit Test Based on Interpoint Distances. Journal of the American Statistical Association, 1997, 92, 577.	3.1	8
92	The choice of reference gene affects statistical efficiency in quantitative PCR data analysis. BioTechniques, 2013, 55, 207-209.	1.8	8
93	The bahadur efficiency of paired versus joint ranking procedures for pa1rwtse multiple comparisons. Communications in Statistics - Theory and Methods, 1984, 13, 1471-1481.	1.0	7
94	Gangliosides and neutral glycolipids in ependymal, neuronal and primitive neuroectodermal tumors. Journal of Molecular Neuroscience, 1999, 12, 111-121.	2.3	7
95	Estimation of Evolutionary Parameters with Phylogenetic Trees. Journal of Molecular Evolution, 2002, 55, 684-695.	1.8	7
96	Statistical edutainment: Reversing comparisons. Teaching Statistics, 2019, 41, 118-122.	0.9	7
97	Student-Developed Shiny Applications for Teaching Statistics. Journal of Statistics and Data Science Education, 2021, 29, 218-227.	1.6	7
98	Linear birth and death processes under the influence of disasters with time-dependent killing probabilities. Stochastic Processes and Their Applications, 1993, 45, 243-258.	0.9	6
99	Statistical edutainment that lines up and fits. Teaching Statistics, 2021, 43, 45-51.	0.9	5
100	Concentration of Specific Amino Acids at the Catalytic/Active Centers of Highly-Conserved â€œHousekeepingâ€•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.	1.9	4
101	Probability Distributome: a web computational infrastructure for exploring the properties, interrelations, and applications of probability distributions. Computational Statistics, 2016, 31, 559-577.	1.5	4
102	Statistical edutainment with confidence. Teaching Statistics, 2020, 42, 23-27.	0.9	4
103	The Penalty for Assuming that a Monotone Regression is Linear. Annals of Statistics, 1987, 15, 443.	2.6	3
104	Gm1 ganglioside and darkly staining neurons in brains of rats subjected to neonatal hypoxia-ischemia. International Journal of Developmental Neuroscience, 1994, 12, 623-630.	1.6	3
105	Evolutionary conservation and structural localizations suggest a physical trace of metabolismâ€™s progressive geochronological emergence. Journal of Biomolecular Structure and Dynamics, 2020, 38, 3700-3719.	3.5	3
106	Statistical edutainment: Correlation recreation. Teaching Statistics, 2020, 42, 126-131.	0.9	3
107	Effects of GM1 and 2-Deoxy-2,3-dehydro-N-acetylneuraminic acid (NeuAc2en) on neuroblastoma (Neuro)	2.9	2
108	Bayesian modelling of the dynamics of hepatotoxicity. Statistics in Medicine, 2007, 26, 3591-3611.	1.6	2

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109	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, 161-187.	1.9	2
110	Effects of Black Raspberries on Cellular and Epigenetic Biomarkers of Colon Cancer Development in Humans. , 2011, , 281-303.		2
111	Abstract 3701: Tomato carotenoids and testosterone modulate mRNA and miRNA profiles during prostate carcinogenesis.. , 2013, , .		2
112	The Triples Distance for Rooted Bifurcating Phylogenetic Trees. Systematic Biology, 1996, 45, 323.	5.6	2
113	Electronic resources: the Ohio state university EESEE project. Journal of Applied Mathematics and Decision Sciences, 2003, 7, 85-92.	0.4	1
114	Statistical edutainment that counts. Teaching Statistics, 2020, 42, 66-71.	0.9	1
115	Statistical edutainment: Putting it to the test. Teaching Statistics, 2021, 43, 92-99.	0.9	1
116	Poll position: A sampling of statistical edutainment. Teaching Statistics, 2021, 43, 124-128.	0.9	1
117	Improving diagnostic accuracy and interobserver concordance in the classification and grading of primary gliomas. , 1997, 79, 1381.		1
118	Statistical edutainment: You're the subject for our next subject!. Teaching Statistics, 2022, 44, 133-133.	0.9	1
119	High-dimensional simulation-based estimation. Mathematical and Computer Modelling, 2000, 32, 27-51.	2.0	0
120	Seeing the Trees in Your Terrace. Science, 2011, 333, 411-412.	12.6	0
121	Syrus. , 2014, , .		0
122	Interview With Dennis Pearl. Journal of Statistics Education, 2017, 25, 50-58.	1.4	0
123	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
124	ASIALO-GM1 AND PARAGLOBOSIDE AS DIAGNOSTIC MARKERS OF OLIGODENDROGLIOMA AND ASTROCYTOMA. Journal of Neuropathology and Experimental Neurology, 1998, 57, 498.	1.7	0
125	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.	1.6	0
126	Statistical edutainment: A means to vary how we teach summary statistics. Teaching Statistics, 2022, 44, 82-89.	0.9	0

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127	Take a chance on statistical edutainment. Teaching Statistics, 2022, 44, 34-42.	0.9	0