

Arnold J Stromberg

List of Publications by Year in descending order

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84
papers

1,757
citations

279487

23
h-index

344852

36
g-index

89
all docs

89
docs citations

89
times ranked

2928
citing authors

#	ARTICLE	IF	CITATIONS
1	Particle size distributions by transmission electron microscopy: an interlaboratory comparison case study. <i>Metrologia</i> , 2013, 50, 663-678.	0.6	118
2	NanoStringDiff: a novel statistical method for differential expression analysis based on NanoString nCounter data. <i>Nucleic Acids Research</i> , 2016, 44, gkw677.	6.5	100
3	<i>Prognostic Significance of Tumor Infiltrating Lymphocytes in Melanoma</i> . <i>American Surgeon</i> , 2011, 77, 188-192.	0.4	81
4	Breakdown in Nonlinear Regression. <i>Journal of the American Statistical Association</i> , 1992, 87, 991-997.	1.8	73
5	Gene expression during the first 28 days of axolotl limb regeneration I: Experimental design and global analysis of gene expression. <i>Regeneration (Oxford, England)</i> , 2015, 2, 120-136.	6.3	72
6	Chronic muscle weakness and mitochondrial dysfunction in the absence of sustained atrophy in a preclinical sepsis model. <i>ELife</i> , 2019, 8, .	2.8	58
7	Computation of High Breakdown Nonlinear Regression Parameters. <i>Journal of the American Statistical Association</i> , 1993, 88, 237-244.	1.8	53
8	The Least Trimmed Differences Regression Estimator and Alternatives. <i>Journal of the American Statistical Association</i> , 2000, 95, 853-864.	1.8	50
9	Transmural heterogeneity of cellular level power output is reduced in human heart failure. <i>Journal of Molecular and Cellular Cardiology</i> , 2014, 72, 1-8.	0.9	49
10	Hypoxia-inducible transcription factors, HIF1A and HIF2A, increase in aging mucosal tissues. <i>Immunology</i> , 2018, 154, 452-464.	2.0	48
11	Considerations for Studying Sex as a Biological Variable in Spinal Cord Injury. <i>Frontiers in Neurology</i> , 2020, 11, 802.	1.1	45
12	Comparison of Sentinel Lymph Node Micrometastatic Tumor Burden Measurements in Melanoma. <i>Journal of the American College of Surgeons</i> , 2014, 218, 519-528.	0.2	38
13	<i>Lymphovascular Invasion as a Prognostic Factor in Melanoma</i> . <i>American Surgeon</i> , 2011, 77, 992-997.	0.4	36
14	Effects of aging in the expression of <i>NOD</i> -like receptors and inflammasome-related genes in oral mucosa. <i>Molecular Oral Microbiology</i> , 2016, 31, 18-32.	1.3	36
15	A compromised liver alters polychlorinated biphenyl-mediated toxicity. <i>Toxicology</i> , 2017, 380, 11-22.	2.0	36
16	<i>Regression Does Not Predict Nodal Metastasis or Survival in Patients with Cutaneous Melanoma</i> . <i>American Surgeon</i> , 2011, 77, 1009-1013.	0.4	35
17	Assessing Parental Satisfaction with Children's Mental Health Services with the Youth Services Survey for Families. <i>Journal of Child and Family Studies</i> , 2005, 14, 87-99.	0.7	34
18	Novel Pharmacologic Targeting of Tight Junctions and Focal Adhesions in Prostate Cancer Cells. <i>PLoS ONE</i> , 2014, 9, e86238.	1.1	32

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19	Fruit and vegetable intake, as reflected by serum carotenoid concentrations, predicts reduced probability of polychlorinated biphenyl-associated risk for type 2 diabetes: National Health and Nutrition Examination Survey 2003-2004. <i>Nutrition Research</i> , 2014, 34, 285-293.	1.3	31
20	Addition of an Iliac/Obturator Lymph Node Dissection Does Not Improve Nodal Recurrence or Survival in Melanoma. <i>Journal of the American College of Surgeons</i> , 2014, 219, 101-108.	0.2	29
21	Activation of Notch-1 in oral epithelial cells by <i>P. gingivalis</i> triggers the expression of the antimicrobial protein PLA2-IIA. <i>Mucosal Immunology</i> , 2018, 11, 1047-1059.	2.7	29
22	p-Value Histograms: Inference and Diagnostics. <i>High-Throughput</i> , 2018, 7, 23.	4.4	29
23	Thiamine Transporter Gene Expression and Exogenous Thiamine Modulate the Expression of Genes Involved in Drug and Prostaglandin Metabolism in Breast Cancer Cells. <i>Molecular Cancer Research</i> , 2004, 2, 477-487.	1.5	27
24	Bone biology-related gingival transcriptome in ageing and periodontitis in non-human primates. <i>Journal of Clinical Periodontology</i> , 2016, 43, 408-417.	2.3	26
25	Activity-Dependent Genes in Mouse Olfactory Sensory Neurons. <i>Chemical Senses</i> , 2014, 39, 439-449.	1.1	25
26	Breakdown in Nonlinear Regression. , 0, .		24
27	Prognostic factors in melanoma patients with tumor-negative sentinel lymph nodes. <i>Surgery</i> , 2016, 159, 1412-1421.	1.0	23
28	Size and shape distributions of primary crystallites in titania aggregates. <i>Advanced Powder Technology</i> , 2017, 28, 1647-1659.	2.0	23
29	Transcriptome Analysis of B Cell Immune Functions in Periodontitis: Mucosal Tissue Responses to the Oral Microbiome in Aging. <i>Frontiers in Immunology</i> , 2016, 7, 272.	2.2	22
30	Ustekinumab dose escalation improves clinical responses in refractory Crohn's disease. <i>Therapeutic Advances in Gastroenterology</i> , 2020, 13, 175628482095924.	1.4	21
31	Lhx2 Determines Odorant Receptor Expression Frequency in Mature Olfactory Sensory Neurons. <i>ENeuro</i> , 2016, 3, ENEURO.0230-16.2016.	0.9	21
32	Heart Failure in Humans Reduces Contractile Force in Myocardium From Both Ventricles. <i>JACC Basic To Translational Science</i> , 2020, 5, 786-798.	1.9	20
33	rFSA: An R Package for Finding Best Subsets and Interactions. <i>R Journal</i> , 2019, 10, 295.	0.7	20
34	Increased coagulation and suppressed generation of activated protein C in aged mice during intra-abdominal sepsis. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2015, 308, H83-H91.	1.5	19
35	Activity-Dependent Gene Expression in the Mammalian Olfactory Epithelium. <i>Chemical Senses</i> , 2017, 42, 611-624.	1.1	18
36	Differentiating gold nanorod samples using particle size and shape distributions from transmission electron microscope images. <i>Metrologia</i> , 2018, 55, 254-267.	0.6	18

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37	Easy Implementation of Writing in Introductory Statistics Courses. <i>American Statistician</i> , 1996, 50, 159-163.	0.9	16
38	Variability in Predictions from Online Tools: A Demonstration Using Internet-Based Melanoma Predictors. <i>Annals of Surgical Oncology</i> , 2018, 25, 2172-2177.	0.7	16
39	Melanoma Patient-Reported Quality of Life Outcomes Following Sentinel Lymph Node Biopsy, Completion Lymphadenectomy, and Adjuvant Interferon: Results from the Sunbelt Melanoma Trial. <i>Annals of Surgical Oncology</i> , 2016, 23, 1019-1025.	0.7	15
40	Association of Phosphate-Containing versus Phosphate-Free Solutions on Ventilator Days in Patients Requiring Continuous Kidney Replacement Therapy. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2022, 17, 634-642.	2.2	15
41	The Trophic Life Cycle Stage of the Opportunistic Fungal Pathogen <i>Pneumocystis murina</i> Hinders the Ability of Dendritic Cells To Stimulate CD4 ⁺ T Cell Responses. <i>Infection and Immunity</i> , 2017, 85, .	1.0	14
42	Biofilm and cell adhesion strength on dental implant surfaces via the laser spallation technique. <i>Dental Materials</i> , 2021, 37, 48-59.	1.6	14
43	Effects of Aryl Hydrocarbon Receptor Deficiency on PCB-77-Induced Impairment of Glucose Homeostasis during Weight Loss in Male and Female Obese Mice. <i>Environmental Health Perspectives</i> , 2019, 127, 77004.	2.8	13
44	Autoantibody Profiling for Lung Cancer Screening Longitudinal Retrospective Analysis of CT Screening Cohorts. <i>PLoS ONE</i> , 2014, 9, e87947.	1.1	12
45	Accumulation of $\hat{\imath}^3\hat{\imath}$ T cells in visceral fat with aging promotes chronic inflammation. <i>GeroScience</i> , 2022, 44, 1761-1778.	2.1	12
46	Clinicopathologic and Survival Differences between Upper and Lower Extremity Melanomas. <i>American Surgeon</i> , 2012, 78, 779-787.	0.4	11
47	A model for predicting low probability of nonsentinel lymph node positivity in melanoma patients with a single positive sentinel lymph node. <i>Journal of Surgical Oncology</i> , 2018, 118, 922-927.	0.8	11
48	Gingival tissue autophagy pathway gene expression profiles in periodontitis and aging. <i>Journal of Periodontal Research</i> , 2021, 56, 34-45.	1.4	11
49	Assessment of a modified renal angina index for AKI prediction in critically ill adults. <i>Nephrology Dialysis Transplantation</i> , 2022, 37, 895-903.	0.4	11
50	Molecular Staging of Sentinel Lymph Nodes Identifies Melanoma Patients at Increased Risk of Nodal Recurrence. <i>Journal of the American College of Surgeons</i> , 2016, 222, 357-363.	0.2	10
51	Glutathione content and expression of proteins involved with glutathione metabolism differs in longissimus dorsi, subcutaneous adipose, and liver tissues of finished vs. growing beef steers ¹ . <i>Journal of Animal Science</i> , 2018, 96, 5152-5165.	0.2	10
52	Improving evidence-based grouping of transitional care strategies in hospital implementation using statistical tools and expert review. <i>BMC Health Services Research</i> , 2021, 21, 35.	0.9	10
53	Consistency of the least median of squares estimator in nonlinear regression. <i>Communications in Statistics - Theory and Methods</i> , 1995, 24, 1971-1984.	0.6	9
54	Gene expression analysis of neuropeptides in oral mucosa during periodontal disease in non-human primates. <i>Journal of Periodontology</i> , 2018, 89, 858-866.	1.7	9

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55	Pseudomonas aeruginosa-derived pyocyanin reduces adipocyte differentiation, body weight, and fat mass as mechanisms contributing to septic cachexia. Food and Chemical Toxicology, 2019, 130, 219-230.	1.8	9
56	Chondrogenic differentiation potential of adult and fetal equine cell types. Veterinary Surgery, 2019, 48, 375-387.	0.5	8
57	Human Gray and White Matter Metabolomics to Differentiate APOE and Stage Dependent Changes in Alzheimer's Disease. , 2021, 3, 397-412.		8
58	MEScan: a powerful statistical framework for genome-scale mutual exclusivity analysis of cancer mutations. Bioinformatics, 2021, 37, 1189-1197.	1.8	7
59	Acute Kidney Injury Associated with Area under the Curve versus Trough Monitoring of Vancomycin in Obese Patients. Antimicrobial Agents and Chemotherapy, 2022, 66, AAC0088621.	1.4	7
60	Deregulation of a Network of mRNA and miRNA Genes Reveals That CK2 and MEK Inhibitors May Synergize to Induce Apoptosis KRAS-Active NSCLC. Cancer Informatics, 2019, 18, 117693511984350.	0.9	6
61	Some software for computing robust linear or nonlinear regression estimators. Communications in Statistics Part B: Simulation and Computation, 1997, 26, 947-959.	0.6	5
62	Traceability Challenge 2013: Statistical analysis for traceability experiments: Software verification and validation research laboratory (SWRL) of the University of Kentucky. , 2013, , .		5
63	Exploring the Obesity Paradox in A Murine Model of Sepsis: Improved Survival Despite Increased Organ Injury in Obese Mice. Shock, 2022, 57, 151-159.	1.0	5
64	The Least Trimmed Differences Regression Estimator and Alternatives. , 0, .		5
65	Do Melanoma Patients from Southern Climates have a Worse Outcome than those from Northern Climates?. American Surgeon, 2009, 75, 687-692.	0.4	4
66	Prognostic factors in young women with cutaneous melanoma. American Journal of Surgery, 2014, 207, 102-108.	0.9	4
67	SDA: a semi-parametric differential abundance analysis method for metabolomics and proteomics data. BMC Bioinformatics, 2019, 20, 501.	1.2	4
68	Cardiovascular complications of systemic lupus erythematosus: impact of risk factors and therapeutic efficacy—a tertiary centre experience in an Appalachian state. Lupus Science and Medicine, 2021, 8, e000467.	1.1	4
69	Adipose-Derived Inflammatory and Coagulant Mediators in Patients With Sepsis. Shock, 2021, 55, 596-606.	1.0	4
70	Understanding the groups of care transition strategies used by U.S. hospitals: an application of factor analytic and latent class methods. BMC Medical Research Methodology, 2021, 21, 228.	1.4	4
71	Visceral fat-specific regulation of plasminogen activator inhibitor-1 in aged septic mice. Journal of Cellular Physiology, 2022, 237, 706-719.	2.0	3
72	Effect of Socioeconomic and Demographic Factors on Crash Occurrence. Transportation Research Record, 2021, 2675, 80-91.	1.0	3

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73	Use of Wearable Sensors to Assess the Effects of Performing a Cognitive Task on Sensory Integration of Balance in Healthy Individuals. <i>Sensors</i> , 2022, 22, 2776.	2.1	3
74	Robust estimation in software experiments. <i>Software Engineering Notes: an Informal Newsletter of the Special Interest Committee on Software Engineering / ACM</i> , 1997, 22, 60-64.	0.5	2
75	National Database Outcomes of Esophageal Dilations. <i>Laryngoscope</i> , 2021, 131, 2436-2440.	1.1	2
76	Identifying factors impacting the efficacy of postmastectomy radiotherapy in patients with early-stage breast cancer and one to two positive lymph nodes. <i>Journal of Surgical Oncology</i> , 2020, 122, 128-133.	0.8	2
77	Feasibility as a mechanism for model identification and validation. <i>Journal of Applied Statistics</i> , 2021, 48, 2022-2041.	0.6	2
78	Predictors of Arterial Stiffness in Law Enforcement Officers. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 10190.	1.2	2
79	Efficient computation of statistical procedures based on all subsets of a specified size. <i>Communications in Statistics - Theory and Methods</i> , 1996, 25, 489-500.	0.6	1
80	Very-Low Energy Monopolar Reduces Post-Tonsillectomy Hemorrhage Versus Standard Energy Techniques. <i>Laryngoscope</i> , 2021, 131, 2505-2511.	1.1	1
81	Information exchange among providers and patient-centeredness in transitional care: A five-year retrospective analysis. <i>Healthcare</i> , 2022, 10, 100626.	0.6	1
82	A probabilistic method for leveraging functional annotations to enhance estimation of the temporal order of pathway mutations during carcinogenesis. <i>BMC Bioinformatics</i> , 2019, 20, 620.	1.2	0
83	The Organic Pollutant PCB77 Increases Atherosclerosis in LDL Receptor Deficient Mice Despite Reductions in Serum Cholesterol Concentrations.. <i>FASEB Journal</i> , 2008, 22, 924.19.	0.2	0
84	Detection of differential splicing of <i>Abcg8</i> in liver of lactating rats compared to virgin controls using exon arrays. <i>FASEB Journal</i> , 2010, 24, 758.3.	0.2	0