

Eugene Demidenko

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

2,582
citations

201674

27
h-index

206112

48
g-index

76
all docs

76
docs citations

76
times ranked

3905
citing authors

#	ARTICLE	IF	CITATIONS
1	Sample size determination for logistic regression revisited. <i>Statistics in Medicine</i> , 2006, 26, 3385-3397.	1.6	303
2	Sample size and optimal design for logistic regression with binary interaction. <i>Statistics in Medicine</i> , 2008, 27, 36-46.	1.6	138
3	Two-stage methods for the analysis of pooled data. <i>Statistics in Medicine</i> , 2001, 20, 2115-2130.	1.6	93
4	Statistical determination of synergy based on Bliss definition of drugs independence. <i>PLoS ONE</i> , 2019, 14, e0224137.	2.5	83
5	Pretreatment photosensitizer dosimetry reduces variation in tumor response. <i>International Journal of Radiation Oncology Biology Physics</i> , 2006, 64, 1211-1220.	0.8	75
6	In vivo EPR for dosimetry. <i>Radiation Measurements</i> , 2007, 42, 1075-1084.	1.4	64
7	Therapeutically targeting tumor microenvironment-mediated drug resistance in estrogen receptor-positive breast cancer. <i>Journal of Experimental Medicine</i> , 2018, 215, 895-910.	8.5	63
8	Radiation Dose Prediction Using Data on Time to Emesis in the Case of Nuclear Terrorism. <i>Radiation Research</i> , 2009, 171, 310-319.	1.5	60
9	The p -Value You Can't Buy. <i>American Statistician</i> , 2016, 70, 33-38.	1.6	60
10	A framework for comparative evaluation of dosimetric methods to triage a large population following a radiological event. <i>Radiation Measurements</i> , 2011, 46, 916-922.	1.4	50
11	AMPK Activation by Metformin Promotes Survival of Dormant ER+ Breast Cancer Cells. <i>Clinical Cancer Research</i> , 2020, 26, 3707-3719.	7.0	50
12	Electron Paramagnetic Resonance Dosimetry for a Large-Scale Radiation Incident. <i>Health Physics</i> , 2012, 103, 255-267.	0.5	43
13	Obesity and fatty liver are prevented by inhibition of the aryl hydrocarbon receptor in both female and male mice. <i>Nutrition Research</i> , 2017, 44, 38-50.	2.9	43
14	On Optimal Current Patterns for Electrical Impedance Tomography. <i>IEEE Transactions on Biomedical Engineering</i> , 2005, 52, 238-248.	4.2	40
15	Influence analysis for linear mixed-effects models. <i>Statistics in Medicine</i> , 2005, 24, 893-909.	1.6	39
16	DEVELOPMENT OF IN VIVO TOOTH EPR FOR INDIVIDUAL RADIATION DOSE ESTIMATION AND SCREENING. <i>Health Physics</i> , 2010, 98, 327-338.	0.5	39
17	Physically-based biodosimetry using in vivo EPR of teeth in patients undergoing total body irradiation. <i>International Journal of Radiation Biology</i> , 2011, 87, 766-775.	1.8	37
18	Overview of biodosimetry for management of unplanned exposures to ionizing radiation. <i>Radiation Measurements</i> , 2011, 46, 742-748.	1.4	34

#	ARTICLE	IF	CITATIONS
19	Therapeutic sensitivity to Rac GTPase inhibition requires consequential suppression of mTORC1, AKT, and MEK signaling in breast cancer. <i>Oncotarget</i> , 2017, 8, 21806-21817.	1.8	32
20	A two-stage microwave image reconstruction procedure for improved internal feature extraction. <i>Medical Physics</i> , 2001, 28, 2358-2369.	3.0	31
21	Multivariate meta-analysis for data consortia, individual patient meta-analysis, and pooling projects. <i>Journal of Statistical Planning and Inference</i> , 2008, 138, 1919-1933.	0.6	31
22	Three endpoints of in vivo tumour radiobiology and their statistical estimation. <i>International Journal of Radiation Biology</i> , 2010, 86, 164-173.	1.8	31
23	Transcutaneous oxygen measurement in humans using a paramagnetic skin adhesive film. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 781-794.	3.0	31
24	The Effects of Efavoproxynâ„¢ (Efaproxiral) on Subcutaneous RIF-1 Tumor Oxygenation and Enhancement of Radiotherapy-Mediated Inhibition of Tumor Growth in Mice. <i>Radiation Research</i> , 2007, 168, 218-225.	1.5	30
25	Advances in a framework to compare bio-dosimetry methods for triage in large-scale radiation events. <i>Radiation Protection Dosimetry</i> , 2014, 159, 77-86.	0.8	30
26	Comparison of EPR oximetry and Eppendorf polarographic electrode assessments of rat brain PtO ₂ . <i>Physiological Measurement</i> , 2004, 25, 1413-1423.	2.1	29
27	Strategically Timing Inhibition of Phosphatidylinositol 3-Kinase to Maximize Therapeutic Index in Estrogen Receptor Alpha-Positive, PIK3CA-Mutant Breast Cancer. <i>Clinical Cancer Research</i> , 2016, 22, 2250-2260.	7.0	29
28	Covariate measurement error and the estimation of random effect parameters in a mixed model for longitudinal data. , 1998, 17, 1959-1971.		28
29	Combined Inhibition of Both p110 ^α and p110 ^β Isoforms of Phosphatidylinositol 3-Kinase Is Required for Sustained Therapeutic Effect in PTEN-Deficient, ER+ Breast Cancer. <i>Clinical Cancer Research</i> , 2017, 23, 2795-2805.	7.0	26
30	Efficient estimation of general linear mixed effects models. <i>Journal of Statistical Planning and Inference</i> , 2002, 104, 197-219.	0.6	25
31	The assessment of tumour response to treatment. <i>Journal of the Royal Statistical Society Series C: Applied Statistics</i> , 2006, 55, 365-377.	1.0	25
32	Criteria for global minimum of sum of squares in nonlinear regression. <i>Computational Statistics and Data Analysis</i> , 2006, 51, 1739-1753.	1.2	25
33	Development and validation of an ex vivo electron paramagnetic resonance fingernail biodosimetric method. <i>Radiation Protection Dosimetry</i> , 2014, 159, 172-181.	0.8	25
34	Advances in in vivo EPR Tooth Biodosimetry: Meeting the targets for initial triage following a large-scale radiation event. <i>Radiation Protection Dosimetry</i> , 2016, 172, 72-80.	0.8	25
35	An analytic solution to the homogeneous EIT problem on the 2D disk and its application to estimation of electrode contact impedances. <i>Physiological Measurement</i> , 2011, 32, 1453-1471.	2.1	22
36	Autophagy promotes escape from phosphatidylinositol 3-kinase inhibition in estrogen receptor-positive breast cancer. <i>FASEB Journal</i> , 2018, 32, 1222-1235.	0.5	22

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37	Random Effects Coefficient of Determination for Mixed and Meta-Analysis Models. Communications in Statistics - Theory and Methods, 2012, 41, 953-969.	1.0	21
38	Effects of temperature, salinity, and sediment organic carbon on methylmercury bioaccumulation in an estuarine amphipod. Science of the Total Environment, 2019, 687, 907-916.	8.0	21
39	Statistical Estimation of EIT Electrode Contact Impedance Using a Magic Toeplitz Matrix. IEEE Transactions on Biomedical Engineering, 2011, 58, 2194-2201.	4.2	20
40	On the existence of the least squares estimate in nonlinear growth curve models of exponential type. Communications in Statistics - Theory and Methods, 1996, 25, 159-182.	1.0	19
41	Standard error of inverse prediction for dose-response relationship: approximate and exact statistical inference. Statistics in Medicine, 2013, 32, 2048-2061.	1.6	19
42	Evaluating the Special Needs of The Military for Radiation Biodosimetry for Tactical Warfare Against Deployed Troops. Health Physics, 2016, 111, 169-182.	0.5	19
43	Statistical Estimation of Resistance/Conductance by Electrical Impedance Tomography Measurements. IEEE Transactions on Medical Imaging, 2004, 23, 829-838.	8.9	17
44	Measurement Error and Confidence Intervals for ROC Curves. Biometrical Journal, 2005, 47, 409-416.	1.0	16
45	Estrogen therapy induces an unfolded protein response to drive cell death in ER + breast cancer. Molecular Oncology, 2019, 13, 1778-1794.	4.6	16
46	Separable Laplace equation, magic Toeplitz matrix, and generalized Ohm's law. Applied Mathematics and Computation, 2006, 181, 1313-1327.	2.2	15
47	The next-generation K-means algorithm. Statistical Analysis and Data Mining, 2018, 11, 153-166.	2.8	15
48	Using voltage sources as current drivers for electrical impedance tomography. Measurement Science and Technology, 2002, 13, 1425-1430.	2.6	13
49	Poisson Regression for Clustered Data. International Statistical Review, 2007, 75, 96-113.	1.9	12
50	First-In-Human Study in Cancer Patients Establishing the Feasibility of Oxygen Measurements in Tumors Using Electron Paramagnetic Resonance With the OxyChip. Frontiers in Oncology, 2021, 11, 743256.	2.8	12
51	Confidence intervals and bands for the binormal ROC curve revisited. Journal of Applied Statistics, 2012, 39, 67-79.	1.3	10
52	Single toxin dose-response models revisited. Toxicology and Applied Pharmacology, 2017, 314, 12-23.	2.8	10
53	Microarray enriched gene rank. BioData Mining, 2015, 8, 2.	4.0	9
54	Adaptive iterative design (AID): A novel approach for evaluating the interactive effects of multiple stressors on aquatic organisms. Science of the Total Environment, 2012, 432, 57-64.	8.0	7

#	ARTICLE	IF	CITATIONS
55	Exact and Approximate Statistical Inference for Nonlinear Regression and the Estimating Equation Approach. Scandinavian Journal of Statistics, 2017, 44, 636-665.	1.4	7
56	Emesis as a Screening Diagnostic for Low Dose Rate (LDR) Total Body Radiation Exposure. Health Physics, 2016, 110, 391-394.	0.5	6
57	Application of SPOT chip for transcutaneous oximetry. Magnetic Resonance in Medicine, 2019, 81, 2837-2840.	3.0	4
58	Leveraging global gene expression patterns to predict expression of unmeasured genes. BMC Genomics, 2015, 16, 1065.	2.8	3
59	<p></p>Small-cell lung cancer growth inhibition: synergism between NMDA receptor blockade and chemotherapy</p>. Clinical Pharmacology: Advances and Applications, 2019, Volume 11, 15-23.	1.2	3
60	Statistical comparison of color cancer cell images. Oncology Reports, 2006, 15, 1077-1079.	2.6	2
61	A Transcriptionally Definable Subgroup of Triple-Negative Breast and Ovarian Cancer Samples Shows Sensitivity to HSP90 Inhibition. Clinical Cancer Research, 2020, 26, 159-170.	7.0	2
62	The impact of particulate electron paramagnetic resonance oxygen sensors on fluorodeoxyglucose imaging characteristics detected via positron emission tomography. Scientific Reports, 2021, 11, 4422.	3.3	2
63	Approximations of the power functions for Wald, likelihood ratio, and score tests and their applications to linear and logistic regressions. Model Assisted Statistics and Applications, 2020, 15, 335-349.	0.3	2
64	Statistical Hypothesis Testing for Postreconstructed and Postregistered Medical Images. SIAM Journal on Imaging Sciences, 2009, 2, 1049-1067.	2.2	1
65	Optimal Adaptive Designs with Inverse Ordinary Differential Equations. International Statistical Review, 2018, 86, 169-188.	1.9	1
66	Estimation of pO distribution in EPR oximetry. Journal of Magnetic Resonance, 2021, 328, 106992.	2.1	1
67	Covariate measurement error and the estimation of random effect parameters in a mixed model for longitudinal data. Statistics in Medicine, 1998, 17, 1959-1971.	1.6	1
68	Criteria for Unconstrained Global Optimization in Nonconvex Problems. AIP Conference Proceedings, 2007, , .	0.4	0
69	Statistical identification of sensors location using inverse differential equations. , 2010, , .		0
70	mNP hyperthermia and hypofractionated radiation activate similar immunogenetic and cytotoxic pathways. International Journal of Hyperthermia, 2020, 37, 929-937.	2.5	0