

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	The impact of particulate electron paramagnetic resonance oxygen sensors on fluorodeoxyglucose imaging characteristics detected via positron emission tomography. <i>Scientific Reports</i> , 2021, 11, 4422.	3.3	2
2	Estimation of pO ₂ distribution in EPR oximetry. <i>Journal of Magnetic Resonance</i> , 2021, 328, 106992.	2.1	1
3	First-In-Human Study in Cancer Patients Establishing the Feasibility of Oxygen Measurements in Tumors Using Electron Paramagnetic Resonance With the OxyChip. <i>Frontiers in Oncology</i> , 2021, 11, 743256.	2.8	12
4	mNP hyperthermia and hypofractionated radiation activate similar immunogenetic and cytotoxic pathways. <i>International Journal of Hyperthermia</i> , 2020, 37, 929-937.	2.5	0
5	AMPK Activation by Metformin Promotes Survival of Dormant ER+ Breast Cancer Cells. <i>Clinical Cancer Research</i> , 2020, 26, 3707-3719.	7.0	50
6	A Transcriptionally Definable Subgroup of Triple-Negative Breast and Ovarian Cancer Samples Shows Sensitivity to HSP90 Inhibition. <i>Clinical Cancer Research</i> , 2020, 26, 159-170.	7.0	2
7	Approximations of the power functions for Wald, likelihood ratio, and score tests and their applications to linear and logistic regressions. <i>Model Assisted Statistics and Applications</i> , 2020, 15, 335-349.	0.3	2
8	Effects of temperature, salinity, and sediment organic carbon on methylmercury bioaccumulation in an estuarine amphipod. <i>Science of the Total Environment</i> , 2019, 687, 907-916.	8.0	21
9	Small-cell lung cancer growth inhibition: synergism between NMDA receptor blockade and chemotherapy. <i>Clinical Pharmacology: Advances and Applications</i> , 2019, Volume 11, 15-23.	1.2	3
10	Estrogen therapy induces an unfolded protein response to drive cell death in ER + breast cancer. <i>Molecular Oncology</i> , 2019, 13, 1778-1794.	4.6	16
11	Application of SPOT chip for transcutaneous oximetry. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 2837-2840.	3.0	4
12	Statistical determination of synergy based on Bliss definition of drugs independence. <i>PLoS ONE</i> , 2019, 14, e0224137.	2.5	83
13	Transcutaneous oxygen measurement in humans using a paramagnetic skin adhesive film. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 781-794.	3.0	31
14	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
15	Optimal Adaptive Designs with Inverse Ordinary Differential Equations. <i>International Statistical Review</i> , 2018, 86, 169-188.	1.9	1
16	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
17	The next-generation K-means algorithm. <i>Statistical Analysis and Data Mining</i> , 2018, 11, 153-166.	2.8	15
18	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

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19	Exact and Approximate Statistical Inference for Nonlinear Regression and the Estimating Equation Approach. <i>Scandinavian Journal of Statistics</i> , 2017, 44, 636-665.	1.4	7
20	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
21	Single toxin dose-response models revisited. <i>Toxicology and Applied Pharmacology</i> , 2017, 314, 12-23.	2.8	10
22	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
23	Emesis as a Screening Diagnostic for Low Dose Rate (LDR) Total Body Radiation Exposure. <i>Health Physics</i> , 2016, 110, 391-394.	0.5	6
24	Advances in <i>in vivo</i> 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
25	Evaluating the Special Needs of The Military for Radiation Biodosimetry for Tactical Warfare Against Deployed Troops. <i>Health Physics</i> , 2016, 111, 169-182.	0.5	19
26	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
27	The <i>p</i> -Value You Can TM Buy. <i>American Statistician</i> , 2016, 70, 33-38.	1.6	60
28	Leveraging global gene expression patterns to predict expression of unmeasured genes. <i>BMC Genomics</i> , 2015, 16, 1065.	2.8	3
29	Microarray enriched gene rank. <i>BioData Mining</i> , 2015, 8, 2.	4.0	9
30	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
31	Development and validation of an <i>ex vivo</i> electron paramagnetic resonance fingernail biodosimetric method. <i>Radiation Protection Dosimetry</i> , 2014, 159, 172-181.	0.8	25
32	Standard error of inverse prediction for dose ⁻ response relationship: approximate and exact statistical inference. <i>Statistics in Medicine</i> , 2013, 32, 2048-2061.	1.6	19
33	Random Effects Coefficient of Determination for Mixed and Meta-Analysis Models. <i>Communications in Statistics - Theory and Methods</i> , 2012, 41, 953-969.	1.0	21
34	Electron Paramagnetic Resonance Dosimetry for a Large-Scale Radiation Incident. <i>Health Physics</i> , 2012, 103, 255-267.	0.5	43
35	Confidence intervals and bands for the binormal ROC curve revisited. <i>Journal of Applied Statistics</i> , 2012, 39, 67-79.	1.3	10
36	Adaptive iterative design (AID): A novel approach for evaluating the interactive effects of multiple stressors on aquatic organisms. <i>Science of the Total Environment</i> , 2012, 432, 57-64.	8.0	7

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37	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
38	Overview of biodosimetry for management of unplanned exposures to ionizing radiation. <i>Radiation Measurements</i> , 2011, 46, 742-748.	1.4	34
39	Statistical Estimation of EIT Electrode Contact Impedance Using a Magic Toeplitz Matrix. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2194-2201.	4.2	20
40	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
41	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
42	DEVELOPMENT OF IN VIVO TOOTH EPR FOR INDIVIDUAL RADIATION DOSE ESTIMATION AND SCREENING. <i>Health Physics</i> , 2010, 98, 327-338.	0.5	39
43	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
44	Statistical identification of sensors location using inverse differential equations. , 2010, , .		0
45	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
46	Statistical Hypothesis Testing for Postreconstructed and Postregistered Medical Images. <i>SIAM Journal on Imaging Sciences</i> , 2009, 2, 1049-1067.	2.2	1
47	Sample size and optimal design for logistic regression with binary interaction. <i>Statistics in Medicine</i> , 2008, 27, 36-46.	1.6	138
48	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
49	Criteria for Unconstrained Global Optimization in Nonconvex Problems. <i>AIP Conference Proceedings</i> , 2007, , .	0.4	0
50	The Effects of Efaproxynâ,,¢ (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
51	In vivo EPR for dosimetry. <i>Radiation Measurements</i> , 2007, 42, 1075-1084.	1.4	64
52	Poisson Regression for Clustered Data. <i>International Statistical Review</i> , 2007, 75, 96-113.	1.9	12
53	Statistical comparison of color cancer cell images. <i>Oncology Reports</i> , 2006, 15, 1077-1079.	2.6	2
54	Sample size determination for logistic regression revisited. <i>Statistics in Medicine</i> , 2006, 26, 3385-3397.	1.6	303

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55	The assessment of tumour response to treatment. Journal of the Royal Statistical Society Series C: Applied Statistics, 2006, 55, 365-377.	1.0	25
56	Criteria for global minimum of sum of squares in nonlinear regression. Computational Statistics and Data Analysis, 2006, 51, 1739-1753.	1.2	25
57	Separable Laplace equation, magic Toeplitz matrix, and generalized Ohm's law. Applied Mathematics and Computation, 2006, 181, 1313-1327.	2.2	15
58	Pretreatment photosensitizer dosimetry reduces variation in tumor response. International Journal of Radiation Oncology Biology Physics, 2006, 64, 1211-1220.	0.8	75
59	On Optimal Current Patterns for Electrical Impedance Tomography. IEEE Transactions on Biomedical Engineering, 2005, 52, 238-248.	4.2	40
60	Measurement Error and Confidence Intervals for ROC Curves. Biometrical Journal, 2005, 47, 409-416.	1.0	16
61	Influence analysis for linear mixed-effects models. Statistics in Medicine, 2005, 24, 893-909.	1.6	39
62	Comparison of EPR oximetry and Eppendorf polarographic electrode assessments of rat brain PtO ₂ . Physiological Measurement, 2004, 25, 1413-1423.	2.1	29
63	Statistical Estimation of Resistance/Conductance by Electrical Impedance Tomography Measurements. IEEE Transactions on Medical Imaging, 2004, 23, 829-838.	8.9	17
64	Using voltage sources as current drivers for electrical impedance tomography. Measurement Science and Technology, 2002, 13, 1425-1430.	2.6	13
65	Efficient estimation of general linear mixed effects models. Journal of Statistical Planning and Inference, 2002, 104, 197-219.	0.6	25
66	A two-stage microwave image reconstruction procedure for improved internal feature extraction. Medical Physics, 2001, 28, 2358-2369.	3.0	31
67	Two-stage methods for the analysis of pooled data. Statistics in Medicine, 2001, 20, 2115-2130.	1.6	93
68	Covariate measurement error and the estimation of random effect parameters in a mixed model for longitudinal data. , 1998, 17, 1959-1971.		28
69	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
70	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