

Christine B Peterson

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/8768077/publications.pdf>

Version: 2024-02-01

87
papers

6,573
citations

201674

27
h-index

85541

71
g-index

91
all docs

91
docs citations

91
times ranked

16295
citing authors

#	ARTICLE	IF	CITATIONS
1	Genetic effects on gene expression across human tissues. <i>Nature</i> , 2017, 550, 204-213.	27.8	3,500
2	Tumor Microbiome Diversity and Composition Influence Pancreatic Cancer Outcomes. <i>Cell</i> , 2019, 178, 795-806.e12.	28.9	830
3	Dietary fiber and probiotics influence the gut microbiome and melanoma immunotherapy response. <i>Science</i> , 2021, 374, 1632-1640.	12.6	369
4	Bayesian Inference of Multiple Gaussian Graphical Models. <i>Journal of the American Statistical Association</i> , 2015, 110, 159-174.	3.1	124
5	PBRM1 loss defines a nonimmunogenic tumor phenotype associated with checkpoint inhibitor resistance in renal carcinoma. <i>Nature Communications</i> , 2020, 11, 2135.	12.8	114
6	Controlling the Rate of GWAS False Discoveries. <i>Genetics</i> , 2017, 205, 61-75.	2.9	93
7	Safety and preliminary efficacy of orally administered lyophilized fecal microbiota product compared with frozen product given by enema for recurrent <i>Clostridium difficile</i> infection: A randomized clinical trial. <i>PLoS ONE</i> , 2018, 13, e0205064.	2.5	77
8	Automatic detection of contouring errors using convolutional neural networks. <i>Medical Physics</i> , 2019, 46, 5086-5097.	3.0	72
9	Lung tumor segmentation methods: Impact on the uncertainty of radiomics features for non-small cell lung cancer. <i>PLoS ONE</i> , 2018, 13, e0205003.	2.5	63
10	Many Phenotypes Without Many False Discoveries: Error Controlling Strategies for Multitrait Association Studies. <i>Genetic Epidemiology</i> , 2016, 40, 45-56.	1.3	62
11	Gut Microbiome Signatures Are Predictive of Infectious Risk Following Induction Therapy for Acute Myeloid Leukemia. <i>Clinical Infectious Diseases</i> , 2020, 71, 63-71.	5.8	61
12	Genetic variation and gene expression across multiple tissues and developmental stages in a nonhuman primate. <i>Nature Genetics</i> , 2017, 49, 1714-1721.	21.4	57
13	Caveolin-1-mediated sphingolipid oncometabolism underlies a metabolic vulnerability of prostate cancer. <i>Nature Communications</i> , 2020, 11, 4279.	12.8	52
14	Automatic Segmentation Using Deep Learning to Enable Online Dose Optimization During Adaptive Radiation Therapy of Cervical Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 109, 1096-1110.	0.8	50
15	Independent recalculation outperforms traditional measurement-based IMRT QA methods in detecting unacceptable plans. <i>Medical Physics</i> , 2019, 46, 3700-3708.	3.0	49
16	Minimal residual disease undetectable by next-generation sequencing predicts improved outcome in CLL after chemoimmunotherapy. <i>Blood</i> , 2019, 134, 1951-1959.	1.4	45
17	Association Between Plasma Diacetylspermine and Tumor Spermine Synthase With Outcome in Triple-Negative Breast Cancer. <i>Journal of the National Cancer Institute</i> , 2020, 112, 607-616.	6.3	40
18	Regularized partial least squares with an application to NMR spectroscopy. <i>Statistical Analysis and Data Mining</i> , 2013, 6, 302-314.	2.8	39

#	ARTICLE	IF	CITATIONS
19	Extracellular vesicle PD-L1 dynamics predict durable response to immune-checkpoint inhibitors and survival in patients with non-small cell lung cancer. <i>Journal of Experimental and Clinical Cancer Research</i> , 2022, 41, .	8.6	39
20	Radiation Planning Assistant - A Streamlined, Fully Automated Radiotherapy Treatment Planning System. <i>Journal of Visualized Experiments</i> , 2018, , .	0.3	35
21	Retrospective Validation and Clinical Implementation of Automated Contouring of Organs at Risk in the Head and Neck: A Step Toward Automated Radiation Treatment Planning for Low- and Middle-Income Countries. <i>Journal of Global Oncology</i> , 2018, 4, 1-11.	0.5	34
22	Serial minimal residual disease (MRD) monitoring during first-line FCR treatment for CLL may direct individualized therapeutic strategies. <i>Leukemia</i> , 2018, 32, 2388-2398.	7.2	34
23	Radiomics analysis for predicting pembrolizumab response in patients with advanced rare cancers. , 2021, 9, e001752.		34
24	Reference dataset of users' photon beam modeling parameters for the Eclipse, Pinnacle, and RayStation treatment planning systems. <i>Medical Physics</i> , 2020, 47, 282-288.	3.0	33
25	Joint Bayesian variable and graph selection for regression models with network-structured predictors. <i>Statistics in Medicine</i> , 2016, 35, 1017-1031.	1.6	32
26	Fecal Microbiome, Metabolites, and Stem Cell Transplant Outcomes: A Single-Center Pilot Study. <i>Open Forum Infectious Diseases</i> , 2019, 6, ofz173.	0.9	32
27	MAGENTA (Making Genetic testing accessible): a prospective randomized controlled trial comparing online genetic education and telephone genetic counseling for hereditary cancer genetic testing. <i>BMC Cancer</i> , 2019, 19, 648.	2.6	31
28	Oral microbiome and onset of oral mucositis in patients with squamous cell carcinoma of the head and neck. <i>Cancer</i> , 2020, 126, 5124-5136.	4.1	30
29	Investigating Multiple Candidate Genes and Nutrients in the Folate Metabolism Pathway to Detect Genetic and Nutritional Risk Factors for Lung Cancer. <i>PLoS ONE</i> , 2013, 8, e53475.	2.5	29
30	Associations between the gut microbiome and fatigue in cancer patients. <i>Scientific Reports</i> , 2021, 11, 5847.	3.3	24
31	Inferring metabolic networks using the Bayesian adaptive graphical lasso with informative priors. <i>Statistics and Its Interface</i> , 2013, 6, 547-558.	0.3	23
32	A snapshot of medical physics practice patterns. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 306-315.	1.9	22
33	Clinical Acceptability of Automated Radiation Treatment Planning for Head and Neck Cancer Using the Radiation Planning Assistant. <i>Practical Radiation Oncology</i> , 2021, 11, 177-184.	2.1	22
34	Characterization of biological pathways associated with a 1.37 Mbp genomic region protective of hypertension in Dahl S rats. <i>Physiological Genomics</i> , 2014, 46, 398-410.	2.3	19
35	Remote beam output audits: A global assessment of results out of tolerance. <i>Physics and Imaging in Radiation Oncology</i> , 2018, 7, 39-44.	2.9	19
36	Replication stress response defects are associated with response to immune checkpoint blockade in nonhypermutated cancers. <i>Science Translational Medicine</i> , 2021, 13, eabe6201.	12.4	19

#	ARTICLE	IF	CITATIONS
37	aPCoA: covariate adjusted principal coordinates analysis. <i>Bioinformatics</i> , 2020, 36, 4099-4101.	4.1	18
38	Observational Cohort Study of Oral Mycobiome and Interkingdom Interactions over the Course of Induction Therapy for Leukemia. <i>MSphere</i> , 2020, 5, .	2.9	18
39	RapidPlan development of VMAT plans for cervical cancer patients in low- and middle-income countries. <i>Medical Dosimetry</i> , 2020, 45, 172-178.	0.9	16
40	Vestigial-like 1 is a shared targetable cancer-placenta antigen expressed by pancreatic and basal-like breast cancers. <i>Nature Communications</i> , 2020, 11, 5332.	12.8	15
41	Performance determinants of unsupervised clustering methods for microbiome data. <i>Microbiome</i> , 2022, 10, 25.	11.1	15
42	Sensitivity of IROC phantom performance to radiotherapy treatment planning system beam modeling parameters based on community-driven data. <i>Medical Physics</i> , 2020, 47, 5250-5259.	3.0	14
43	Bayesian Graphical Network Analyses Reveal Complex Biological Interactions Specific to Alzheimer's Disease. <i>Journal of Alzheimer's Disease</i> , 2015, 44, 917-925.	2.6	13
44	Differences in the Patterns of Failure Between IROC Lung and Spine Phantom Irradiations. <i>Practical Radiation Oncology</i> , 2020, 10, 372-381.	2.1	13
45	Evaluation of a multiview architecture for automatic vertebral labeling of palliative radiotherapy simulation CT images. <i>Medical Physics</i> , 2020, 47, 5592-5608.	3.0	12
46	Radiotherapy of lung cancers: FFF beams improve dose coverage at tumor periphery compromised by electronic disequilibrium. <i>Physics in Medicine and Biology</i> , 2018, 63, 195007.	3.0	11
47	Evaluating the psychometric properties of the Immunotherapy module of the MD Anderson Symptom Inventory. , 2020, 8, e000931.		11
48	Compositional zero-inflated network estimation for microbiome data. <i>BMC Bioinformatics</i> , 2020, 21, 581.	2.6	11
49	Bayesian inference of networks across multiple sample groups and data types. <i>Biostatistics</i> , 2020, 21, 561-576.	1.5	10
50	Hypotheses on a tree: new error rates and testing strategies. <i>Biometrika</i> , 2021, 108, 575-590.	2.4	10
51	Hierarchical Normalized Completely Random Measures for Robust Graphical Modeling. <i>Bayesian Analysis</i> , 2019, 14, 1271-1301.	3.0	10
52	A Bayesian Approach for Learning Gene Networks Underlying Disease Severity in COPD. <i>Statistics in Biosciences</i> , 2018, 10, 59-85.	1.2	9
53	Efficacy and predictors of response of lenalidomide and rituximab in patients with treatment-naive and relapsed CLL. <i>Blood Advances</i> , 2019, 3, 1533-1539.	5.2	9
54	A chirality-dependent action of vitamin C in suppressing Kirsten rat sarcoma mutant tumor growth by the oxidative combination: Rationale for cancer therapeutics. <i>International Journal of Cancer</i> , 2020, 146, 2822-2828.	5.1	9

#	ARTICLE	IF	CITATIONS
55	Development of a stereoscopic CT metal artifact management algorithm using gantry angle tilts for head and neck patients. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 120-130.	1.9	9
56	Bayesian modeling of multiple structural connectivity networks during the progression of Alzheimer's disease. <i>Biometrics</i> , 2020, 76, 1120-1132.	1.4	9
57	A Blood-based Polyamine Signature Associated With MEN1 Duodenopancreatic Neuroendocrine Tumor Progression. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2021, 106, e4969-e4980.	3.6	9
58	Latent Network Estimation and Variable Selection for Compositional Data Via Variational EM. <i>Journal of Computational and Graphical Statistics</i> , 2022, 31, 163-175.	1.7	9
59	Systematic microdosimetric data for protons of therapeutic energies calculated with Geant4-DNA. <i>Physics in Medicine and Biology</i> , 2019, 64, 215018.	3.0	8
60	Dose calculation errors as a component of failing IROC lung and spine phantom irradiations. <i>Medical Physics</i> , 2020, 47, 4502-4508.	3.0	8
61	Modeling Complex Deformations of the Sigmoid Colon Between External Beam Radiation Therapy and Brachytherapy Images of Cervical Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2020, 106, 1084-1094.	0.8	8
62	Bayesian compositional regression with structured priors for microbiome feature selection. <i>Biometrics</i> , 2021, 77, 824-838.	1.4	7
63	Geometric and dosimetric accuracy of deformable image registration between average-intensity images for 4DCT-based adaptive radiotherapy for non-small cell lung cancer. <i>Journal of Applied Clinical Medical Physics</i> , 2021, 22, 156-167.	1.9	7
64	ONC201 and an MEK Inhibitor Trametinib Synergistically Inhibit the Growth of Triple-Negative Breast Cancer Cells. <i>Biomedicines</i> , 2021, 9, 1410.	3.2	6
65	Photon beam modeling variations predict errors in IMRT dosimetry audits. <i>Radiotherapy and Oncology</i> , 2022, 166, 8-14.	0.6	6
66	Disruption of TP63-miR-27a* Feedback Loop by Mutant TP53 in Head and Neck Cancer. <i>Journal of the National Cancer Institute</i> , 2020, 112, 266-277.	6.3	5
67	Characterization of continuous bed motion effects on patient breathing and respiratory motion correction in PET/CT imaging. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 158-165.	1.9	5
68	Using FFF beams to improve the therapeutic ratio of lung SBRT. <i>Journal of Radiotherapy in Practice</i> , 2021, 20, 419-425.	0.5	5
69	Characterization of Expression Quantitative Trait Loci in Pedigrees from Colombia and Costa Rica Ascertained for Bipolar Disorder. <i>PLoS Genetics</i> , 2016, 12, e1006046.	3.5	4
70	Comparison of ejection fraction calculation between CT and SPECT at high heart rate: A dynamic cardiac phantom study. <i>Journal of Nuclear Cardiology</i> , 2021, 28, 311-316.	2.1	4
71	Radiation-induced lung toxicity in mice irradiated in a strong magnetic field. <i>PLoS ONE</i> , 2018, 13, e0205803.	2.5	3
72	A simple model for calculating relative biological effectiveness of X-rays and gamma radiation in cell survival. <i>British Journal of Radiology</i> , 2020, 93, 20190949.	2.2	3

#	ARTICLE	IF	CITATIONS
73	Uncertainty in tissue equivalent proportional counter assessments of microdosimetry and RBE estimates in carbon radiotherapy. <i>Physics in Medicine and Biology</i> , 2021, 66, 155018.	3.0	3
74	#GeneticTesting: Using Social Media to Facilitate Communication about testing to Women (Preprint). <i>JMIR Formative Research</i> , 0, , .	1.4	3
75	Flow cytometry can reliably capture gut microbial composition in healthy adults as well as dysbiosis dynamics in patients with aggressive B-cell non-Hodgkin lymphoma. <i>Gut Microbes</i> , 2022, 14, .	9.8	3
76	Bayesian Inference of Hub Nodes Across Multiple Networks. <i>Biometrics</i> , 2019, 75, 172-182.	1.4	2
77	NExUS: Bayesian simultaneous network estimation across unequal sample sizes. <i>Bioinformatics</i> , 2020, 36, 798-804.	4.1	2
78	ProgPerm: Progressive permutation for a dynamic representation of the robustness of microbiome discoveries. <i>BMC Bioinformatics</i> , 2021, 22, 126.	2.6	2
79	Biomechanical modeling of radiation dose-induced volumetric changes of the parotid glands for deformable image registration. <i>Physics in Medicine and Biology</i> , 2020, 65, 165017.	3.0	2
80	Swallowing After Primary TORS and Unilateral or Bilateral Radiation for Low to Intermediate Risk Tonsil Cancer. <i>Otolaryngology - Head and Neck Surgery</i> , 2022, 167, 484-493.	1.9	2
81	An Accessible Communication System for Population-Based Genetic Testing: Development and Usability Study. <i>JMIR Formative Research</i> , 2022, 6, e34055.	1.4	2
82	Oral and Stool Microbiome Coalescence and Its Association With Antibiotic Exposure in Acute Leukemia Patients. <i>Frontiers in Cellular and Infection Microbiology</i> , 2022, 12, 848580.	3.9	2
83	Bayesian Model Averaging for Genetic Association Studies. , 0, , 208-223.		1
84	Monte Carlo evaluation of target dose coverage in lung stereotactic body radiation therapy with flattening filter-free beams. <i>Journal of Radiotherapy in Practice</i> , 2022, 21, 81-87.	0.5	1
85	Comment on Article by Scutari. <i>Bayesian Analysis</i> , 2013, 8, .	3.0	0
86	P4-039: BAYESIAN GRAPHICAL NETWORK ANALYSES REVEALS COMPLEX BIOLOGICAL INTERACTIONS SPECIFIC TO ALZHEIMER'S DISEASE. , 2014, 10, P796-P797.		0
87	Biomechanical modeling of neck flexion for deformable alignment of the salivary glands in head and neck cancer images. <i>Physics in Medicine and Biology</i> , 2019, 64, 175018.	3.0	0