

Francesco C. Stingo

List of Publications by Year in descending order

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Version: 2024-02-01

114
papers

3,680
citations

172457

29
h-index

138484

58
g-index

115
all docs

115
docs citations

115
times ranked

5395
citing authors

#	ARTICLE	IF	CITATIONS
1	Fludarabine, cyclophosphamide, and rituximab treatment achieves long-term disease-free survival in IGHV-mutated chronic lymphocytic leukemia. <i>Blood</i> , 2016, 127, 303-309.	1.4	441
2	Delta-radiomics features for the prediction of patient outcomes in non-small cell lung cancer. <i>Scientific Reports</i> , 2017, 7, 588.	3.3	254
3	Complex karyotype is a stronger predictor than del(17p) for an inferior outcome in relapsed or refractory chronic lymphocytic leukemia patients treated with ibrutinib-based regimens. <i>Cancer</i> , 2015, 121, 3612-3621.	4.1	220
4	Atypical chronic myeloid leukemia is clinically distinct from unclassifiable myelodysplastic/myeloproliferative neoplasms. <i>Blood</i> , 2014, 123, 2645-2651.	1.4	192
5	An evaluation of three commercially available metal artifact reduction methods for CT imaging. <i>Physics in Medicine and Biology</i> , 2015, 60, 1047-1067.	3.0	177
6	Can radiomics features be reproducibly measured from CBCT images for patients with non-small cell lung cancer?. <i>Medical Physics</i> , 2015, 42, 6784-6797.	3.0	142
7	Bayesian Inference of Multiple Gaussian Graphical Models. <i>Journal of the American Statistical Association</i> , 2015, 110, 159-174.	3.1	124
8	Incorporating biological information into linear models: A Bayesian approach to the selection of pathways and genes. <i>Annals of Applied Statistics</i> , 2011, 5, 1978-2002.	1.1	119
9	Institutional Patient-specific IMRT QA Does Not Predict Unacceptable Plan Delivery. <i>International Journal of Radiation Oncology Biology Physics</i> , 2014, 90, 1195-1201.	0.8	116
10	Novel algorithmic approach predicts tumor mutation load and correlates with immunotherapy clinical outcomes using a defined gene mutation set. <i>BMC Medicine</i> , 2016, 14, 168.	5.5	106
11	High quality machine-robust image features: Identification in nonsmall cell lung cancer computed tomography images. <i>Medical Physics</i> , 2013, 40, 121916.	3.0	96
12	Clinical features of De Novo acute myeloid leukemia with concurrent DNMT3A, FLT3 and NPM1 mutations. <i>Journal of Hematology and Oncology</i> , 2014, 7, 74.	17.0	90
13	Impact of image preprocessing on the volume dependence and prognostic potential of radiomics features in non-small cell lung cancer. <i>Translational Cancer Research</i> , 2016, 5, 349-363.	1.0	87
14	Evaluation and comparison of short chain fatty acids composition in gut diseases. <i>World Journal of Gastroenterology</i> , 2019, 25, 5543-5558.	3.3	83
15	The utility of quantitative CT radiomics features for improved prediction of radiation pneumonitis. <i>Medical Physics</i> , 2018, 45, 5317-5324.	3.0	81
16	Preliminary investigation into sources of uncertainty in quantitative imaging features. <i>Computerized Medical Imaging and Graphics</i> , 2015, 44, 54-61.	5.8	77
17	A Bayesian graphical modeling approach to microRNA regulatory network inference. <i>Annals of Applied Statistics</i> , 2010, 4, 2024-2048.	1.1	70
18	Variable selection for discriminant analysis with Markov random field priors for the analysis of microarray data. <i>Bioinformatics</i> , 2011, 27, 495-501.	4.1	55

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19	Treatment Planning System Calculation Errors Are Present in Most Imaging and Radiation Oncology Core-Houston Phantom Failures. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 1197-1203.	0.8	55
20	Toward optimizing patient-specific IMRT QA techniques in the accurate detection of dosimetrically acceptable and unacceptable patient plans. <i>Medical Physics</i> , 2014, 41, 121702.	3.0	53
21	Application of the International Prognostic Scoring System-Revised in therapy-related myelodysplastic syndromes and oligoblastic acute myeloid leukemia. <i>Leukemia</i> , 2014, 28, 185-189.	7.2	50
22	TLD and OSLD dosimetry systems for remote audits of radiotherapy external beam calibration. <i>Radiation Measurements</i> , 2017, 106, 412-415.	1.4	49
23	Examining credentialing criteria and poor performance indicators for IROC Houston's anthropomorphic head and neck phantom. <i>Medical Physics</i> , 2016, 43, 6491-6496.	3.0	45
24	Characterization of the nanoDot OSLD dosimeter in CT. <i>Medical Physics</i> , 2015, 42, 1797-1807.	3.0	43
25	Myeloid neoplasms with isolated isochromosome 17q demonstrate a high frequency of mutations in <i>SETBP1</i> , <i>SRSF2</i> , <i>ASXL1</i> and <i>NRAS</i> . <i>Oncotarget</i> , 2016, 7, 14251-14258.	1.8	42
26	Approaches to reducing photon dose calculation errors near metal implants. <i>Medical Physics</i> , 2016, 43, 5117-5130.	3.0	37
27	Uncertainty analysis of quantitative imaging features extracted from contrast-enhanced CT in lung tumors. <i>Computerized Medical Imaging and Graphics</i> , 2016, 48, 1-8.	5.8	36
28	An Integrative Bayesian Modeling Approach to Imaging Genetics. <i>Journal of the American Statistical Association</i> , 2013, 108, 876-891.	3.1	32
29	Technical Report: Reference photon dosimetry data for Varian accelerators based on IROC-Houston site visit data. <i>Medical Physics</i> , 2016, 43, 2374-2386.	3.0	32
30	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
31	Outcomes of patients with chronic lymphocytic leukemia treated with first-line idelalisib plus rituximab after cessation of treatment for toxicity. <i>Cancer</i> , 2016, 122, 2505-2511.	4.1	31
32	<i>BRAF</i> kinase domain mutations are present in a subset of chronic myelomonocytic leukemia with wild-type <i>RAS</i> . <i>American Journal of Hematology</i> , 2014, 89, 499-504.	4.1	30
33	Free Fatty Acids Signature in Human Intestinal Disorders: Significant Association between Butyric Acid and Celiac Disease. <i>Nutrients</i> , 2021, 13, 742.	4.1	26
34	Bayesian nonlinear model selection for gene regulatory networks. <i>Biometrics</i> , 2015, 71, 585-595.	1.4	25
35	Reproducibility of patient setup in the seated treatment position: A novel treatment chair design. <i>Journal of Applied Clinical Medical Physics</i> , 2017, 18, 223-229.	1.9	23
36	miRNA-Target Gene Regulatory Networks: A Bayesian Integrative Approach to Biomarker Selection with Application to Kidney Cancer. <i>Biometrics</i> , 2015, 71, 428-438.	1.4	22

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37	Bayesian Graphical Regression. <i>Journal of the American Statistical Association</i> , 2019, 114, 184-197.	3.1	20
38	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
39	NSCLC tumor shrinkage prediction using quantitative image features. <i>Computerized Medical Imaging and Graphics</i> , 2016, 49, 29-36.	5.8	19
40	Increased Proliferative Cells in the Medullary Thick Ascending Limb of the Loop of Henle in the Dahl Salt-Sensitive Rat. <i>Hypertension</i> , 2013, 61, 208-215.	2.7	18
41	SRGN-Triggered Aggressive and Immunosuppressive Phenotype in a Subset of TTF-1â€“Negative Lung Adenocarcinomas. <i>Journal of the National Cancer Institute</i> , 2022, 114, 290-301.	6.3	18
42	Statistical Methods for Establishing Personalized Treatment Rules in Oncology. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	17
43	¹⁸ F-Fluorodeoxyglucose Positron Emission Tomography Can Quantify and Predict Esophageal Injury During Radiation Therapy. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 670-678.	0.8	17
44	An <sc>FMEA</sc> evaluation of intensity modulated radiation therapy dose delivery failures at tolerance criteria levels. <i>Medical Physics</i> , 2017, 44, 5575-5583.	3.0	17
45	Reproducibility in patient-specific IMRT QA. <i>Journal of Applied Clinical Medical Physics</i> , 2014, 15, 241-251.	1.9	16
46	A Bayesian Screening Approach for Hepatocellular Carcinoma Using Multiple Longitudinal Biomarkers. <i>Biometrics</i> , 2018, 74, 249-259.	1.4	16
47	Bayesian graphical models for modern biological applications. <i>Statistical Methods and Applications</i> , 2022, 31, 197-225.	1.2	16
48	A Bayesian predictive model for imaging genetics with application to schizophrenia. <i>Annals of Applied Statistics</i> , 2016, 10, .	1.1	15
49	Objectively Quantifying Radiation Esophagitis With Novel Computed Tomographyâ€“Based Metrics. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 94, 385-393.	0.8	15
50	A Novel Methodology using CT Imaging Biomarkers to Quantify Radiation Sensitivity in the Esophagus with Application to Clinical Trials. <i>Scientific Reports</i> , 2017, 7, 6034.	3.3	15
51	Bayesian Hierarchical Varying-Sparsity Regression Models with Application to Cancer Proteogenomics. <i>Journal of the American Statistical Association</i> , 2019, 114, 48-60.	3.1	15
52	Bayesian wavelet-based curve classification via discriminant analysis with Markov random tree priors. <i>Statistica Sinica</i> , 2012, 22, 465-488.	0.3	14
53	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
54	Bayesian Predictive Modeling for Genomic Based Personalized Treatment Selection. <i>Biometrics</i> , 2016, 72, 575-583.	1.4	12

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55	Sparse Multi-Dimensional Graphical Models: A Unified Bayesian Framework. Journal of the American Statistical Association, 2017, 112, 779-793.	3.1	12
56	Using Pretreatment Radiomics and Delta-Radiomics Features to Predict Non-“Small Cell Lung Cancer Patient Outcomes. International Journal of Radiation Oncology Biology Physics, 2017, 98, 249.	0.8	12
57	Efficient local updates for undirected graphical models. Statistics and Computing, 2015, 25, 159-171.	1.5	11
58	Bayesian Structure Learning in Multilayered Genomic Networks. Journal of the American Statistical Association, 2021, 116, 605-618.	3.1	11
59	Transcriptomic analysis reveals inflammatory and metabolic pathways that are regulated by renal perfusion pressure in the outer medulla of Dahl-S rats. Physiological Genomics, 2018, 50, 440-447.	2.3	10
60	Bayesian inference of networks across multiple sample groups and data types. Biostatistics, 2020, 21, 561-576.	1.5	10
61	Bayesian learning of multiple directed networks from observational data. Statistics in Medicine, 2020, 39, 4745-4766.	1.6	10
62	Integrative Bayesian Network Analysis of Genomic Data. Cancer Informatics, 2014, 13s2, CIN.S13786.	1.9	9
63	A Bayesian Integrative Approach for Multi-Platform Genomic Data: A Kidney Cancer Case Study. Biometrics, 2017, 73, 615-624.	1.4	9
64	A Bayesian Approach for Learning Gene Networks Underlying Disease Severity in COPD. Statistics in Biosciences, 2018, 10, 59-85.	1.2	9
65	Bayesian modeling of multiple structural connectivity networks during the progression of Alzheimer's disease. Biometrics, 2020, 76, 1120-1132.	1.4	9
66	A New Anthropomorphic Pediatric Spine Phantom for Proton Therapy Clinical Trial Credentialing. International Journal of Particle Therapy, 2018, 4, 20-27.	1.8	9
67	On the estimation of a binary response model in a selected population. Journal of Statistical Planning and Inference, 2011, 141, 3293-3303.	0.6	7
68	Long-term follow-up of patients receiving allogeneic stem cell transplant for chronic lymphocytic leukaemia: mixed T-cell chimerism is associated with high relapse risk and inferior survival. British Journal of Haematology, 2017, 177, 567-577.	2.5	7
69	Bayesian personalized treatment selection strategies that integrate predictive with prognostic determinants. Biometrical Journal, 2019, 61, 902-917.	1.0	7
70	Calibration strategies for use of the nanoDot OSLD in CT applications. Journal of Applied Clinical Medical Physics, 2019, 20, 331-339.	1.9	6
71	The addition of CD20 monoclonal antibodies to lenalidomide improves response rates and survival in relapsed/refractory patients with chronic lymphocytic leukaemia relative to lenalidomide monotherapy – the MD Anderson Cancer Center experience. British Journal of Haematology, 2015, 171, 281-284.	2.5	5
72	Validation of the 2016 revisions to the WHO classification in lower-risk myelodysplastic syndrome. American Journal of Hematology, 2017, 92, E168-E171.	4.1	5

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73	Differences in Normal Tissue Response in the Esophagus Between Proton and Photon Radiation Therapy for Non-Small Cell Lung Cancer Using InVivo Imaging Biomarkers. International Journal of Radiation Oncology Biology Physics, 2017, 99, 1013-1020.	0.8	5
74	TUâ€Dâ€207Bâ€02: Deltaâ€Radiomics: The Prognostic Value of Therapyâ€Induced Changes in Radiomics Features for Stage III Nonâ€Small Cell Lung Cancer Patients. Medical Physics, 2016, 43, 3750-3750.	3.0	4
75	Integrating genomic signatures for treatment selection with Bayesian predictive failure time models. Statistical Methods in Medical Research, 2018, 27, 2093-2113.	1.5	4
76	Characterizing proton-activated materials to develop PET-mediated proton range verification markers. Physics in Medicine and Biology, 2016, 61, N291-N310.	3.0	3
77	Bayesian Models for Variable Selection that Incorporate Biological Information* . , 2011, , 659-678.		3
78	miRNA Target Gene Identification: Sourcing miRNA Target Gene Relationships for the Analyses of TCGA Illumina MiSeq and RNA-Seq Hiseq Platform Data. International Journal of Human Genetics, 2014, 14, 17-22.	0.1	2
79	Bayesian Approaches for Large Biological Networks. , 2015, , 153-173.		2
80	SU-E-T-56: Characterization of OSLDs for Use in Small Field Photon Beam Dosimetry. Medical Physics, 2013, 40, 216-216.	3.0	2
81	TU-C-103-08: Determination of CT Texture Variability Among Several CT Scanners. Medical Physics, 2013, 40, 438-438.	3.0	2
82	TU-H-CAMPUS-JeP1-02: Fully Automatic Verification of Automatically Contoured Normal Tissues in the Head and Neck. Medical Physics, 2016, 43, 3778-3778.	3.0	2
83	A Bayesian approach to identify genes and gene-level SNP aggregates in a genetic analysis of cancer data. Statistics and Its Interface, 2015, 8, 137-151.	0.3	2
84	Bayesian Models for Integrative Genomics. , 0, , 272-291.		1
85	Toward Developing Survivorship Care Plans for Breast Cancer Patients at High Risk for Radiation-Related Cardiac Effects. International Journal of Radiation Oncology Biology Physics, 2014, 90, S857-S858.	0.8	1
86	Investigating protein patterns in human leukemia cell line experiments: A Bayesian approach for extremely small sample sizes. Statistical Methods in Medical Research, 2020, 29, 1181-1196.	1.5	1
87	SUâ€Eâ€Tâ€179: Clinical Impact of IMRT Failure Modes at Or Near TGâ€142 Tolerance Criteria Levels. Medical Physics, 2015, 42, 3372-3373.	3.0	1
88	SU-E-T-158: Evaluation of the Sensitivities of Patient Specific IMRT QA Dosimeters. Medical Physics, 2013, 40, 240-240.	3.0	1
89	SU-E-T-273: Radiation Shielding for a Fixed Horizontal-Beam Linac in a Shipping Container and a Conventional Treatment Vault. Medical Physics, 2014, 41, 286-286.	3.0	1
90	Comment on Article by Scutari. Bayesian Analysis, 2013, 8, .	3.0	0

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91	DNMT3A mutations exert a dominant adverse effect in De novo acute myeloid leukemia with concurrent FLT3 and NPM1 mutations. <i>Clinical Lymphoma, Myeloma and Leukemia</i> , 2015, 15, S188.	0.4	0
92	SU-E-T-163: Reproducibility in the Field of Patient-Specific IMRT QA. <i>Medical Physics</i> , 2013, 40, 241-241.	3.0	0
93	TU-A-WAB-11: Tumor Shrinkage Prediction Using CT Image Features. <i>Medical Physics</i> , 2013, 40, 424-425.	3.0	0
94	WE-G-500-01: Identification of High Quality Machine-Robust CT Image Features. <i>Medical Physics</i> , 2013, 40, 503-503.	3.0	0
95	SU-E-CAMPUS-T-03: Development and Implementation of An Anthropomorphic Pediatric Spine Phantom for the Assessment of Craniospinal Irradiation Procedures in Proton Therapy. <i>Medical Physics</i> , 2014, 41, 383-384.	3.0	0
96	SU-F-BRE-14: Uncertainty Analysis for Dose Measurements Using OSLD NanoDots. <i>Medical Physics</i> , 2014, 41, 394-394.	3.0	0
97	TU-C-BRE-09: Performance Comparisons of Patient Specific IMRT QA Methodologies Using ROC Analysis. <i>Medical Physics</i> , 2014, 41, 456-456.	3.0	0
98	WE-D-18A-01: Evaluation of Three Commercial Metal Artifact Reduction Methods for CT Simulations in Radiation Therapy Treatment Planning. <i>Medical Physics</i> , 2014, 41, 498-498.	3.0	0
99	SU-E-T-192: FMEA Severity Scores - Do We Really Know?. <i>Medical Physics</i> , 2014, 41, 267-267.	3.0	0
100	Validation of Alternative Chronic Myelomonocytic Leukemia (CMML)-Specific Prognostic Scoring (CPSS) System in UT MD Anderson Cancer Center Cohort. <i>Blood</i> , 2014, 124, 3278-3278.	1.4	0
101	MYC Expression Is Prognostic in Therapy Related Acute Myeloid Leukemia (AML) and AML with Myelodysplastic Syndrome (MDS)-Related Changes. <i>Blood</i> , 2014, 124, 5334-5334.	1.4	0
102	SU-E-EA-C-105: An FMEA Survey of Intensity Modulated Radiation Therapy (IMRT) Step and Shoot Dose Delivery Failure Modes. <i>Medical Physics</i> , 2015, 42, 3355-3355.	3.0	0
103	SU-D-BRA-07: A Phantom Study to Assess the Variability in Radiomics Features Extracted From Cone-Beam CT Images. <i>Medical Physics</i> , 2015, 42, 3214-3214.	3.0	0
104	MO-AB-BRA-01: A Novel Method to Objectively Quantify Normal Tissue Toxicity in the Esophagus. <i>Medical Physics</i> , 2015, 42, 3547-3547.	3.0	0
105	SU-E-EA-C-242: Volume Dependence of Quantitative Imaging Features From CT and CE-CT Images of NSCLC. <i>Medical Physics</i> , 2015, 42, 3321-3322.	3.0	0
106	SU-D-BRA-06: Dual-Energy Chest CT: The Effects of Virtual Monochromatic Reconstructions On Texture Analysis Features. <i>Medical Physics</i> , 2015, 42, 3214-3214.	3.0	0
107	SU-E-EA-C-329: Dosimetric Impact of Implementing Metal Artifact Reduction Methods and Metal Energy Deposition Kernels for Photon Dose Calculations. <i>Medical Physics</i> , 2015, 42, 3409-3409.	3.0	0
108	SU-E-EA-C-792: Validation of a Secondary TPS for IROC-H Recalculation of Anthropomorphic Phantoms. <i>Medical Physics</i> , 2015, 42, 3519-3519.	3.0	0

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109	MO-FG-202-05: Identifying Treatment Planning System Errors in IROC-H Phantom Irradiations. Medical Physics, 2016, 43, 3713-3713.	3.0	0
110	TU-H-CAMPUS-TeP1-02: Seated Treatment: Setup Uncertainty Comparable to Supine. Medical Physics, 2016, 43, 3779-3779.	3.0	0
111	Validation of the 2016 Revision to the World Health Organization (WHO) Classification of Myelodysplastic Syndromes with Diploid Karyotype. Blood, 2016, 128, 4319-4319.	1.4	0
112	Defining the Immune Checkpoint Landscape in the Bone Marrow and Peripheral Blood of Patients with Chronic Lymphocytic Leukemia (CLL). Blood, 2016, 128, 2012-2012.	1.4	0
113	Special issue on statistical analysis of networks. Statistical Methods and Applications, 2021, 30, 1-4.	1.2	0
114	Rejoinder to the discussion of "Bayesian graphical models for modern biological applications". Statistical Methods and Applications, 0, , .	1.2	0