

Francesco C. Stingo

List of Publications by Year in descending order

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114
papers

3,680
citations

172457

29
h-index

138484

58
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115
all docs

115
docs citations

115
times ranked

5395
citing authors

#	ARTICLE	IF	CITATIONS
1	Bayesian graphical models for modern biological applications. <i>Statistical Methods and Applications</i> , 2022, 31, 197-225.	1.2	16
2	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
3	Bayesian Structure Learning in Multilayered Genomic Networks. <i>Journal of the American Statistical Association</i> , 2021, 116, 605-618.	3.1	11
4	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
5	Special issue on statistical analysis of networks. <i>Statistical Methods and Applications</i> , 2021, 30, 1-4.	1.2	0
6	Bayesian inference of networks across multiple sample groups and data types. <i>Biostatistics</i> , 2020, 21, 561-576.	1.5	10
7	Investigating protein patterns in human leukemia cell line experiments: A Bayesian approach for extremely small sample sizes. <i>Statistical Methods in Medical Research</i> , 2020, 29, 1181-1196.	1.5	1
8	Bayesian learning of multiple directed networks from observational data. <i>Statistics in Medicine</i> , 2020, 39, 4745-4766.	1.6	10
9	Bayesian modeling of multiple structural connectivity networks during the progression of Alzheimer's disease. <i>Biometrics</i> , 2020, 76, 1120-1132.	1.4	9
10	Bayesian personalized treatment selection strategies that integrate predictive with prognostic determinants. <i>Biometrical Journal</i> , 2019, 61, 902-917.	1.0	7
11	Calibration strategies for use of the nanoDot <sc>OSLD</sc> in <sc>CT</sc> applications. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 331-339.	1.9	6
12	Bayesian Graphical Regression. <i>Journal of the American Statistical Association</i> , 2019, 114, 184-197.	3.1	20
13	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
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	Integrating genomic signatures for treatment selection with Bayesian predictive failure time models. <i>Statistical Methods in Medical Research</i> , 2018, 27, 2093-2113.	1.5	4
16	A Bayesian Screening Approach for Hepatocellular Carcinoma Using Multiple Longitudinal Biomarkers. <i>Biometrics</i> , 2018, 74, 249-259.	1.4	16
17	A Bayesian Approach for Learning Gene Networks Underlying Disease Severity in COPD. <i>Statistics in Biosciences</i> , 2018, 10, 59-85.	1.2	9
18	The utility of quantitative <sc>CT</sc> radiomics features for improved prediction of radiation pneumonitis. <i>Medical Physics</i> , 2018, 45, 5317-5324.	3.0	81

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19	Transcriptomic analysis reveals inflammatory and metabolic pathways that are regulated by renal perfusion pressure in the outer medulla of Dahl-S rats. <i>Physiological Genomics</i> , 2018, 50, 440-447.	2.3	10
20	A New Anthropomorphic Pediatric Spine Phantom for Proton Therapy Clinical Trial Credentialing. <i>International Journal of Particle Therapy</i> , 2018, 4, 20-27.	1.8	9
21	Sparse Multi-Dimensional Graphical Models: A Unified Bayesian Framework. <i>Journal of the American Statistical Association</i> , 2017, 112, 779-793.	3.1	12
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	Using Pretreatment Radiomics and Delta-Radiomics Features to Predict Non-Small Cell Lung Cancer Patient Outcomes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 98, 249.	0.8	12
24	Validation of the 2016 revisions to the WHO classification in lower-risk myelodysplastic syndrome. <i>American Journal of Hematology</i> , 2017, 92, E168-E171.	4.1	5
25	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
26	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
27	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. <i>British Journal of Haematology</i> , 2017, 177, 567-577.	2.5	7
28	An FMEA evaluation of intensity modulated radiation therapy dose delivery failures at tolerance criteria levels. <i>Medical Physics</i> , 2017, 44, 5575-5583.	3.0	17
29	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
30	Differences in Normal Tissue Response in the Esophagus Between Proton and Photon Radiation Therapy for Non-Small Cell Lung Cancer Using In Vivo Imaging Biomarkers. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1013-1020.	0.8	5
31	A Bayesian Integrative Approach for Multi-Platform Genomic Data: A Kidney Cancer Case Study. <i>Biometrics</i> , 2017, 73, 615-624.	1.4	9
32	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
33	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
34	Approaches to reducing photon dose calculation errors near metal implants. <i>Medical Physics</i> , 2016, 43, 5117-5130.	3.0	37
35	A Bayesian predictive model for imaging genetics with application to schizophrenia. <i>Annals of Applied Statistics</i> , 2016, 10, .	1.1	15
36	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

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37	TUâ€Đâ€207Bâ€02: Deltaâ€Radiomics: The Prognostic Value of Therapyâ€Induced Changes in Radiomics Features for Stage III Nonâ€Small Cell Lung Cancer Patients. <i>Medical Physics</i> , 2016, 43, 3750-3750.	3.0	4
38	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
39	Joint Bayesian variable and graph selection for regression models with networkâ€structured predictors. <i>Statistics in Medicine</i> , 2016, 35, 1017-1031.	1.6	32
40	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
41	18F-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
42	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
43	Characterizing proton-activated materials to develop PET-mediated proton range verification markers. <i>Physics in Medicine and Biology</i> , 2016, 61, N291-N310.	3.0	3
44	Bayesian Predictive Modeling for Genomic Based Personalized Treatment Selection. <i>Biometrics</i> , 2016, 72, 575-583.	1.4	12
45	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
46	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
47	NSCLC tumor shrinkage prediction using quantitative image features. <i>Computerized Medical Imaging and Graphics</i> , 2016, 49, 29-36.	5.8	19
48	TU-H-CAMPUS-JeP1-02: Fully Automatic Verification of Automatically Contoured Normal Tissues in the Head and Neck. <i>Medical Physics</i> , 2016, 43, 3778-3778.	3.0	2
49	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
50	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
51	MO-FG-202-05: Identifying Treatment Planning System Errors in IROC-H Phantom Irradiations. <i>Medical Physics</i> , 2016, 43, 3713-3713.	3.0	0
52	TU-H-CAMPUS-TeP1-02: Seated Treatment: Setup Uncertainty Comparable to Supine. <i>Medical Physics</i> , 2016, 43, 3779-3779.	3.0	0
53	Validation of the 2016 Revision to the World Health Organization (WHO) Classification of Myelodysplastic Syndromes with Diploid Karyotype. <i>Blood</i> , 2016, 128, 4319-4319.	1.4	0
54	Defining the Immune Checkpoint Landscape in the Bone Marrow and Peripheral Blood of Patients with Chronic Lymphocytic Leukemia (CLL). <i>Blood</i> , 2016, 128, 2012-2012.	1.4	0

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55	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
56	The addition of <sc>CD</sc>20 monoclonal antibodies to lenalidomide improves response rates and survival in relapsed/refractory patients with chronic lymphocytic leukaemia relative to lenalidomide monotherapy â€” the <sc>MD</sc> Anderson Cancer Center experience. <i>British Journal of Haematology</i> , 2015, 171, 281-284.	2.5	5
57	Characterization of the nanoDot OSLD dosimeter in CT. <i>Medical Physics</i> , 2015, 42, 1797-1807.	3.0	43
58	Can radiomics features be reproducibly measured from CBCT images for patients with nonâ€”small cell lung cancer?. <i>Medical Physics</i> , 2015, 42, 6784-6797.	3.0	142
59	Complex karyotype is a stronger predictor than del(17p) for an inferior outcome in relapsed or refractory chronic lymphocytic leukemia patients treated with ibrutinibâ€”based regimens. <i>Cancer</i> , 2015, 121, 3612-3621.	4.1	220
60	Statistical Methods for Establishing Personalized Treatment Rules in Oncology. <i>BioMed Research International</i> , 2015, 2015, 1-13.	1.9	17
61	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
62	miRNAâ€”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
63	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
64	Efficient local updates for undirected graphical models. <i>Statistics and Computing</i> , 2015, 25, 159-171.	1.5	11
65	Bayesian nonlinear model selection for gene regulatory networks. <i>Biometrics</i> , 2015, 71, 585-595.	1.4	25
66	Preliminary investigation into sources of uncertainty in quantitative imaging features. <i>Computerized Medical Imaging and Graphics</i> , 2015, 44, 54-61.	5.8	77
67	Bayesian Inference of Multiple Gaussian Graphical Models. <i>Journal of the American Statistical Association</i> , 2015, 110, 159-174.	3.1	124
68	Bayesian Approaches for Large Biological Networks. , 2015, , 153-173.		2
69	SUâ€”Eâ€”Tâ€”179: Clinical Impact of IMRT Failure Modes at Or Near TGâ€”142 Tolerance Criteria Levels. <i>Medical Physics</i> , 2015, 42, 3372-3373.	3.0	1
70	A Bayesian approach to identify genes and gene-level SNP aggregates in a genetic analysis of cancer data. <i>Statistics and Its Interface</i> , 2015, 8, 137-151.	0.3	2
71	SUâ€”Eâ€”Tâ€”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
72	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

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73	MO-BRA-01: A Novel Method to Objectively Quantify Normal Tissue Toxicity in the Esophagus. Medical Physics, 2015, 42, 3547-3547.	3.0	0
74	SU-E-CJ-242: Volume Dependence of Quantitative Imaging Features From CT and CE-CT Images of NSCLC. Medical Physics, 2015, 42, 3321-3322.	3.0	0
75	SU-D-BRA-06: Dual-Energy Chest CT: The Effects of Virtual Monochromatic Reconstructions On Texture Analysis Features. Medical Physics, 2015, 42, 3214-3214.	3.0	0
76	SU-E-EA-329: Dosimetric Impact of Implementing Metal Artifact Reduction Methods and Metal Energy Deposition Kernels for Photon Dose Calculations. Medical Physics, 2015, 42, 3409-3409.	3.0	0
77	SU-E-EA-792: Validation of a Secondary TPS for IROC-H Recalculation of Anthropomorphic Phantoms. Medical Physics, 2015, 42, 3519-3519.	3.0	0
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	Clinical features of De Novo acute myeloid leukemia with concurrent DNMT3A, FLT3 and NPM1 mutations. Journal of Hematology and Oncology, 2014, 7, 74.	17.0	90
80	Toward optimizing patient-specific IMRT QA techniques in the accurate detection of dosimetrically acceptable and unacceptable patient plans. Medical Physics, 2014, 41, 121702.	3.0	53
81	Application of the International Prognostic Scoring System-Revised in therapy-related myelodysplastic syndromes and oligoblastic acute myeloid leukemia. Leukemia, 2014, 28, 185-189.	7.2	50
82	Characterization of biological pathways associated with a 1.37 Mbp genomic region protective of hypertension in Dahl S rats. Physiological Genomics, 2014, 46, 398-410.	2.3	19
83	<i>BRAF</i> kinase domain mutations are present in a subset of chronic myelomonocytic leukemia with wild-type <i>RAS</i> . American Journal of Hematology, 2014, 89, 499-504.	4.1	30
84	Institutional Patient-specific IMRT QA Does Not Predict Unacceptable Plan Delivery. International Journal of Radiation Oncology Biology Physics, 2014, 90, 1195-1201.	0.8	116
85	Atypical chronic myeloid leukemia is clinically distinct from unclassifiable myelodysplastic/myeloproliferative neoplasms. Blood, 2014, 123, 2645-2651.	1.4	192
86	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
87	Reproducibility in patient-specific IMRT QA. Journal of Applied Clinical Medical Physics, 2014, 15, 241-251.	1.9	16
88	Integrative Bayesian Network Analysis of Genomic Data. Cancer Informatics, 2014, 13s2, CIN.S13786.	1.9	9
89	SU-E-CAMPUS-T-03: Development and Implementation of An Anthropomorphic Pediatric Spine Phantom for the Assessment of Craniospinal Irradiation Procedures in Proton Therapy. Medical Physics, 2014, 41, 383-384.	3.0	0
90	SU-F-BRE-14: Uncertainty Analysis for Dose Measurements Using OSLD NanoDots. Medical Physics, 2014, 41, 394-394.	3.0	0

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91	TU-C-BRE-09: Performance Comparisons of Patient Specific IMRT QA Methodologies Using ROC Analysis. Medical Physics, 2014, 41, 456-456.	3.0	0
92	WE-D-18A-01: Evaluation of Three Commercial Metal Artifact Reduction Methods for CT Simulations in Radiation Therapy Treatment Planning. Medical Physics, 2014, 41, 498-498.	3.0	0
93	SU-E-T-192: FMEA Severity Scores - Do We Really Know?. Medical Physics, 2014, 41, 267-267.	3.0	0
94	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
95	Validation of Alternative Chronic Myelomonocytic Leukemia (CMML)-Specific Prognostic Scoring (CPSS) System in UT MD Anderson Cancer Center Cohort. Blood, 2014, 124, 3278-3278.	1.4	0
96	MYC Expression Is Prognostic in Therapy Related Acute Myeloid Leukemia (AML) and AML with Myelodysplastic Syndrome (MDS)-Related Changes. Blood, 2014, 124, 5334-5334.	1.4	0
97	High quality machine-robust image features: Identification in nonsmall cell lung cancer computed tomography images. Medical Physics, 2013, 40, 1219-16.	3.0	96
98	Increased Proliferative Cells in the Medullary Thick Ascending Limb of the Loop of Henle in the Dahl Salt-Sensitive Rat. Hypertension, 2013, 61, 208-215.	2.7	18
99	An Integrative Bayesian Modeling Approach to Imaging Genetics. Journal of the American Statistical Association, 2013, 108, 876-891.	3.1	32
100	Comment on Article by Scutari. Bayesian Analysis, 2013, 8, .	3.0	0
101	SU-E-T-56: Characterization of OSLDs for Use in Small Field Photon Beam Dosimetry. Medical Physics, 2013, 40, 216-216.	3.0	2
102	TU-C-103-08: Determination of CT Texture Variability Among Several CT Scanners. Medical Physics, 2013, 40, 438-438.	3.0	2
103	SU-E-T-163: Reproducibility in the Field of Patient-Specific IMRT QA. Medical Physics, 2013, 40, 241-241.	3.0	0
104	TU-A-WAB-11: Tumor Shrinkage Prediction Using CT Image Features. Medical Physics, 2013, 40, 424-425.	3.0	0
105	SU-E-T-158: Evaluation of the Sensitivities of Patient Specific IMRT QA Dosimeters. Medical Physics, 2013, 40, 240-240.	3.0	1
106	WE-G-500-01: Identification of High Quality Machine-Robust CT Image Features. Medical Physics, 2013, 40, 503-503.	3.0	0
107	Bayesian wavelet-based curve classification via discriminant analysis with Markov random tree priors. Statistica Sinica, 2012, 22, 465-488.	0.3	14
108	Incorporating biological information into linear models: A Bayesian approach to the selection of pathways and genes. Annals of Applied Statistics, 2011, 5, 1978-2002.	1.1	119

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109	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
110	Variable selection for discriminant analysis with Markov random field priors for the analysis of microarray data. Bioinformatics, 2011, 27, 495-501.	4.1	55
111	Bayesian Models for Variable Selection that Incorporate Biological Information* . , 2011, , 659-678.		3
112	A Bayesian graphical modeling approach to microRNA regulatory network inference. Annals of Applied Statistics, 2010, 4, 2024-2048.	1.1	70
113	Bayesian Models for Integrative Genomics. , 0, , 272-291.		1
114	Rejoinder to the discussion of "Bayesian graphical models for modern biological applications" Statistical Methods and Applications, 0, , .	1.2	0