Serena Monti

List of Publications by Year
in descending order

97 papers	1,242 citations	361413 20 h-index	454955 30 g-index
97 all docs	97 docs citations	97 times ranked	1864 citing authors

#	Article	IF	Citations
1	Radiogenomic Analysis of Oncological Data: A Technical Survey. International Journal of Molecular Sciences, 2017, 18, 805.	4.1	102
2	Bringing radiomics into a multi-omics framework for a comprehensive genotype–phenotype characterization of oncological diseases. Journal of Translational Medicine, 2019, 17, 337.	4.4	72
3	Voxel-based analysis unveils regional dose differences associated with radiation-induced morbidity in head and neck cancer patients. Scientific Reports, 2017, 7, 7220.	3.3	49
4	Voxel-based analysis in radiation oncology: A methodological cookbook. Physica Medica, 2020, 69, 192-204.	0.7	46
5	Hepatocellular Carcinoma and Diffusion-Weighted MRI: Detection and Evaluation of Treatment Response. Journal of Cancer, 2016, 7, 1565-1570.	2.5	43
6	Normal tissue complication probability (NTCP) models for modern radiation therapy. Seminars in Oncology, 2019, 46, 210-218.	2.2	43
7	DCE-MRI Pharmacokinetic-Based Phenotyping of Invasive Ductal Carcinoma: A Radiomic Study for Prediction of Histological Outcomes. Contrast Media and Molecular Imaging, 2018, 2018, 1-11.	0.8	41
8	A Voxel-Based Approach to Explore Local Dose Differences Associated With Radiation-Induced Lung Damage. International Journal of Radiation Oncology Biology Physics, 2016, 96, 127-133.	0.8	40
9	MRI features suggestive of gadolinium retention do not correlate with Expanded Disability Status Scale worsening in Multiple Sclerosis. Neuroradiology, 2019, 61, 155-162.	2.2	38
10	Spatial Dose Patterns Associated With Radiation Pneumonitis in a Randomized Trial Comparing Intensity-Modulated Photon Therapy With Passive Scattering Proton Therapy for Locally Advanced Non-Small Cell Lung Cancer. International Journal of Radiation Oncology Biology Physics, 2019, 104, 1124-1132.	0.8	37
11	Relationship between functional imaging and immunohistochemical markers and prediction of breast cancer subtype: a PET/MRI study. European Journal of Nuclear Medicine and Molecular Imaging, 2018, 45, 1680-1693.	6.4	36
12	IDEAL-IQ in an oncologic population: meeting the challenge of concomitant liver fat and liver iron. Cancer Imaging, 2018, 18, 51.	2.8	36
13	Reproducibility of shear wave elastography (SWE) in patients with chronic liver disease. PLoS ONE, 2017, 12, e0185391.	2.5	29
14	An Evaluation of the Benefits of Simultaneous Acquisition on PET/MR Coregistration in Head/Neck Imaging. Journal of Healthcare Engineering, 2017, 2017, 1-7.	1.9	26
15	Evaluation of a multiparametric MRI radiomic-based approach for stratification of equivocal PI-RADS 3 and upgraded PI-RADS 4 prostatic lesions. Scientific Reports, 2021, 11, 643.	3.3	26
16	Dual energy computed tomography quantification of carotid plaques calcification: comparison between monochromatic and polychromatic energies with pathology correlation. European Radiology, 2015, 25, 1238-1246.	4.5	24
17	PACE: A Probabilistic Atlas for Normal Tissue Complication Estimation in Radiation Oncology. Frontiers in Oncology, 2019, 9, 130.	2.8	24
18	Uncommon pancreatic tumors and pseudotumors. Abdominal Imaging, 2015, 40, 167-180.	2.0	23

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19	Comparison of Navigator Triggering Reduced Field of View and Large Field of View Diffusion-Weighted Imaging of the Pancreas. Journal of Computer Assisted Tomography, 2019, 43, 143-148.	0.9	23
20	Multiparametric MRI for Prostate Cancer Detection: New Insights into the Combined Use of a Radiomic Approach with Advanced Acquisition Protocol. Cancers, 2020, 12, 390.	3.7	23
21	NTCP Models for Severe Radiation Induced Dermatitis After IMRT or Proton Therapy for Thoracic Cancer Patients. Frontiers in Oncology, 2020, 10, 344.	2.8	22
22	Inter-patient image registration algorithms to disentangle regional dose bioeffects. Scientific Reports, 2018, 8, 4915.	3.3	19
23	Spatial signature of dose patterns associated with acute radiation-induced lung damage in lung cancer patients treated with stereotactic body radiation therapy. Physics in Medicine and Biology, 2019, 64, 155006.	3.0	19
24	Unraveling Deep Gray Matter Atrophy and Iron and Myelin Changes in Multiple Sclerosis. American Journal of Neuroradiology, 2021, 42, 1223-1230.	2.4	19
25	State of the art in magnetic resonance imaging of hepatocellular carcinoma. Radiology and Oncology, 2018, 52, 353-364.	1.7	18
26	Internal Jugular Vein Blood Flow in Multiple Sclerosis Patients and Matched Controls. PLoS ONE, 2014, 9, e92730.	2.5	18
27	Magnetic Resonance Imaging of the Liver (Including Biliary Contrast Agents) Part 1: Technical Considerations and Contrast Materials. Seminars in Roentgenology, 2016, 51, 308-316.	0.6	17
28	RESUME: Turning an SWI acquisition into a fast qMRI protocol. PLoS ONE, 2017, 12, e0189933.	2.5	16
29	Steato-Score: Non-Invasive Quantitative Assessment of Liver Fat by Ultrasound Imaging. Ultrasound in Medicine and Biology, 2018, 44, 1585-1596.	1.5	16
30	A multi‐parametric PET/MRI study of breast cancer: Evaluation of DCE‐MRI pharmacokinetic models and correlation with diffusion and functional parameters. NMR in Biomedicine, 2019, 32, e4026.	2.8	16
31	On the interplay between dosiomics and genomics in radiation-induced lymphopenia of lung cancer patients. Radiotherapy and Oncology, 2022, 167, 219-225.	0.6	16
32	Radiation Pneumonitis in Thoracic Cancer Patients: Multi-Center Voxel-Based Analysis. Cancers, 2021, 13, 3553.	3.7	15
33	Effects of a multifactorial ecosustainable isocaloric diet on liver fat in patients with type 2 diabetes: randomized clinical trial. BMJ Open Diabetes Research and Care, 2020, 8, e001342.	2.8	15
34	Magnetic Resonanance Imaging of the Liver (Including Biliary Contrast Agents)â€"Part 2: Protocols for Liver Magnetic Resonanance Imaging and Characterization of Common Focal Liver Lesions. Seminars in Roentgenology, 2016, 51, 317-333.	0.6	14
35	MRI liver fat quantification in an oncologic population: the added value of complex chemical shift-encoded MRI. Clinical Imaging, 2018, 52, 193-199.	1.5	14
36	Non-Gaussian models of diffusion weighted imaging for detection and characterization of prostate cancer: a systematic review and meta-analysis. Scientific Reports, 2019, 9, 16837.	3.3	13

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37	Primary Rosai-Dorfman Disease of the Bone in a Patient With History of Breast Cancer. Clinical Nuclear Medicine, 2015, 40, 247-249.	1.3	12
38	MAVEN: An Algorithm for Multi-Parametric Automated Segmentation of Brain Veins From Gradient Echo Acquisitions. IEEE Transactions on Medical Imaging, 2017, 36, 1054-1065.	8.9	12
39	Probing thoracic dose patterns associated to pericardial effusion and mortality in patients treated with photons and protons for locally advanced non-small-cell lung cancer. Radiotherapy and Oncology, 2021, 160, 148-158.	0.6	12
40	Detection of recurrent pancreatic cancer: value of second-opinion interpretations of cross-sectional images by subspecialized radiologists. Abdominal Radiology, 2019, 44, 586-592.	2.1	11
41	A novel framework for spatial normalization of dose distributions in voxel-based analyses of brain irradiation outcomes. Physica Medica, 2020, 69, 164-169.	0.7	11
42	Intermediate hepatocellular carcinoma: the role of transarterial therapy. Hepatic Oncology, 2015, 2, 399-408.	4.2	10
43	IgG4-Related Kidney Disease in a Patient With History of Breast Cancer. Clinical Nuclear Medicine, 2016, 41, e388-e389.	1.3	10
44	Repeated Transarterial Chemoembolization with Degradable Starch Microspheres (DSMs-TACE) of Unresectable Hepatocellular Carcinoma: A Prospective Pilot Study. Current Medical Imaging, 2018, 14, 637-645.	0.8	10
45	Radiation-Induced Esophagitis in Non-Small-Cell Lung Cancer Patients: Voxel-Based Analysis and NTCP Modeling. Cancers, 2022, 14, 1833.	3.7	9
46	Pilot study of rapid MR pancreas screening for patients with BRCA mutation. European Radiology, 2019, 29, 3976-3985.	4.5	8
47	Intraperitoneal Urine Leak After Prostatectomy Confirmed by 99mTc-MAG3 Renogram. Clinical Nuclear Medicine, 2014, 39, 744-746.	1.3	7
48	Lower-Extremity Pseudomyogenic Hemangioendothelioma on Bone Scintigraphy and PET/CT. Clinical Nuclear Medicine, 2017, 42, 383-385.	1.3	7
49	Imaging features of malignant abdominal neuroendocrine tumors with rare presentation. Clinical Imaging, 2018, 51, 59-64.	1.5	7
50	Complete metabolic response to therapy of hepatic epithelioid hemangioendothelioma evaluated with 18F-fluorodeoxyglucose positron emission tomography/contrast-enhanced computed tomography. Medicine (United States), 2018, 97, e12795.	1.0	7
51	Radiation-Induced Dyspnea in Lung Cancer Patients Treated with Stereotactic Body Radiation Therapy. Cancers, 2021, 13, 3734.	3.7	7
52	RESUME : A flexible class of multi-parameter qMRI protocols. Physica Medica, 2021, 88, 23-36.	0.7	7
53	Image Quality and Dose Reduction by Dual Source Computed Tomography Coronary Angiography: Protocol Comparison. Dose-Response, 2018, 16, 155932581880583.	1.6	6
54	Optimization of Tagged MRI for Quantification of Liver Stiffness Using Computer Simulated Data. PLoS ONE, 2014, 9, e111852.	2.5	5

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55	Nuclear medicine and the emergency department patient: an illustrative case-based approach. Radiologia Medica, 2015, 120, 158-170.	7.7	4
56	Subclinical focal cholangitis mimicking liver metastasis in asymptomatic patients with history of pancreatic ductal adenocarcinoma and biliary tree intervention. Cancer Imaging, 2017, 17, 21.	2.8	4
57	The central vein sign helps in differentiating multiple sclerosis from its mimickers: lessons from Fabry disease. European Radiology, 2022, , 1.	4.5	4
58	Subcutaneously Obstructed Ventriculoperitoneal Shuntogram. Clinical Nuclear Medicine, 2015, 40, 265-267.	1.3	3
59	A multiparametric and multiscale approach to automated segmentation of brain veins. , 2015, 2015, 3041-4.		3
60	A multi-modal fusion scheme for the enhancement of PET/MR viewing. EJNMMI Physics, 2015, 2, A32.	2.7	2
61	Right Upper Quadrant Pain in a 47-Year-Old Woman. Gastroenterology, 2018, 154, e11-e12.	1.3	2
62	Impact of Inter-Patient Image Registration Algorithms on the Analysis of Local Dose Differences Associated with Radiation-Induced Morbidity. International Journal of Radiation Oncology Biology Physics, 2018, 102, e563.	0.8	2
63	OC-0512: Space based normal tissue complication probability modeling. Radiotherapy and Oncology, 2018, 127, S267-S268.	0.6	2
64	Evaluation of a Whole-Liver Dixon-Based MRI Approach for Quantification of Liver Fat in Patients with Type 2 Diabetes Treated with Two Isocaloric Different Diets. Diagnostics, 2022, 12, 514.	2.6	2
65	Hepatic Lesions in a Cirrhotic Liver: Primary or Metastases?. Journal of Nuclear Medicine Technology, 2017, 45, 50-52.	0.8	1
66	Unusual Liver Tumors. Gastroenterology, 2017, 152, 1287-1288.	1.3	1
67	Peripartum Patient With Epigastric Pain. Annals of Emergency Medicine, 2017, 70, 301-337.	0.6	1
68	Hepatic angiosarcomatous transformation of a mediastinal germinal cell tumor. Medicine (United) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	1.0	1
69	Redesign of Voxel-Based Analysis for SBRT Lung Cancer Patients and Refinement of Findings on Regional Dose Differences Associated with Radiation-Induced Acute Lung Damage. International Journal of Radiation Oncology Biology Physics, 2018, 102, S95-S96.	0.8	1
70	A New Paradigm for Radiation-Induced Toxicity Analysis: Space Based Normal Tissue Complication Probability Modeling. International Journal of Radiation Oncology Biology Physics, 2018, 102, S96-S97.	0.8	1
71	A Novel Framework for Spatial Normalization of Dose Distributions in Voxel-Based Analyses of Brain Irradiation Outcomes. International Journal of Radiation Oncology Biology Physics, 2019, 105, S104.	0.8	1
72	Treatment-related Focal Nodular Hyperplasia Mimicking Liver Metastases. Journal of Pediatric Hematology/Oncology, 2019, 41, 138-139.	0.6	1

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73	Vesicocolic Fistula Detected by 99mTc-MAG3 Renogram. Clinical Nuclear Medicine, 2015, 40, 73-75.	1.3	0
74	FDG-PET in Dementia. , 2016, , 73-87.		0
75	Liver and bone metastases from breast cancer: Eovist® magnetic resonance and diffusion weighted imaging, 18F-FDG positron emission/computed tomography. Digestive and Liver Disease, 2016, 48, 213.	0.9	0
76	Voxel Based Analysis of Dose Maps: Are We Addressing the Right Strategy?. International Journal of Radiation Oncology Biology Physics, 2016, 96, S223-S224.	0.8	0
77	PO-0871: Radiation-induced lung damage: beyond dose-volume histogram analysis. Radiotherapy and Oncology, 2016, 119, S416-S417.	0.6	0
78	Unusual Cause of Hematochezia. Gastroenterology, 2017, 153, 17-18.	1.3	0
79	Regional Dose Differences Associated with Radiation-Induced Acute Severe Dysphagia. International Journal of Radiation Oncology Biology Physics, 2017, 99, S50.	0.8	0
80	Malignant transformation of glucagonoma with SPECT/CT In-111 OctreoScan features. Medicine (United States), 2017, 96, e9252.	1.0	0
81	Machine learning approaches for non-invasive ultrasound. Based quantitative assessment of liver steatosis. Journal of Hepatology, 2018, 68, S575-S576.	3.7	0
82	Treating Non-Alcoholic Fatty Liver Disease In Patients With Type 2 Diabetes By Targeting Multiple Dietary Components: The Portfolio Diet. Atherosclerosis, 2019, 287, e117.	0.8	0
83	OC-0613 Spatial dose patterns of radiation pneumonitis in lung cancer patients treated by photons or protons. Radiotherapy and Oncology, 2019, 133, S324-S325.	0.6	0
84	The Low-Dose Bath Paradox: Do Spatial Irradiation Patterns Play a Role in the Incidence of Radiation Pneumonitis Following PSPT or IMRT?. International Journal of Radiation Oncology Biology Physics, 2019, 105, S6-S7.	0.8	0
85	Pericardial Effusion and Mortality in Patients Treated with Photons and Protons for Locally Advanced Non-small-cell lung Cancer: The Voxel-based Perspective. International Journal of Radiation Oncology Biology Physics, 2020, 108, S30.	0.8	0
86	Disentangling Contributions from Heart and Lung Anatomical Substructures to Radiation Induced Toxicities: Characterization of Spatial Properties of Dosimetric Data for Voxel-Based Analyses. International Journal of Radiation Oncology Biology Physics, 2020, 108, e294-e295.	0.8	0
87	OC-0637 Thoracic dose patterns associated with radiation induced lymphopenia in patients treated for NSCLC. Radiotherapy and Oncology, 2021, 161, S502-S503.	0.6	0
88	OC-0641 Radiation pneumonitis in thoracic cancer patients: multi-center voxel-based analysis. Radiotherapy and Oncology, 2021, 161, S508-S509.	0.6	0
89	Clinical relevance of atrophy, myelin and iron brain microstructural alterations in multiple sclerosis: A multi-parameter MRI study. Journal of the Neurological Sciences, 2021, 429, 118169.	0.6	0
90	The role of magnetic resonance elastography in liver stiffness evaluation. Polish Archives of Internal Medicine, 2019, 129, 301-302.	0.4	0

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91	Reply to comments on "State of the art in magnetic resonance imaging of hepatocellular carcinoma" the role of DWI. Radiology and Oncology, 2019, 53, 371-372.	1.7	0
92	OC-0097: Dose patterns associated to pericardial effusion in NSCLC patients treated with radiation therapy. Radiotherapy and Oncology, 2020, 152, S45.	0.6	0
93	PH-0285: NTCP models for severe radiation induced dermatitis after thoracic radiation therapy. Radiotherapy and Oncology, 2020, 152, S145.	0.6	0
94	PD-0430: Radiation induced dyspnea in lung cancer patients treated with stereotactic body radiation therapy. Radiotherapy and Oncology, 2020, 152, S235-S236.	0.6	0
95	Spatial dose patterns associated to cardiac toxicity and survival in patients treated with photons and protons for lung cancer. Physica Medica, 2021, 92, S61.	0.7	0
96	MO-0881 Dose patterns associated to radiation induced esophagitis in locally advanced NSCLC patients. Radiotherapy and Oncology, 2022, 170, S769-S770.	0.6	0
97	MO-0875 Thoracic regions contributing to radiation induced lymphocyte depletion in lung cancer patients. Radiotherapy and Oncology, 2022, 170, S761.	0.6	0