

Terence T Sio

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9197227/publications.pdf>

Version: 2024-02-01

90
papers

1,664
citations

361413

20
h-index

361022

35
g-index

90
all docs

90
docs citations

90
times ranked

2593
citing authors

#	ARTICLE	IF	CITATIONS
1	Strategies to improve delivery of anticancer drugs across the bloodâ€“brain barrier to treat glioblastoma. <i>Neuro-Oncology</i> , 2016, 18, 27-36.	1.2	210
2	Reirradiation of Head and Neck Cancers With Proton Therapy: Outcomes and Analyses. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 96, 30-41.	0.8	123
3	Intensity Modulated Proton Therapy Versus Intensity Modulated Photon Radiation Therapy for Oropharyngeal Cancer: First Comparative Results of Patient-Reported Outcomes. <i>International Journal of Radiation Oncology Biology Physics</i> , 2016, 95, 1107-1114.	0.8	121
4	Extraskkeletal Osteosarcoma. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2016, 39, 32-36.	1.3	45
5	Impact of Spot Size and Spacing on the Quality of Robustly Optimized Intensity Modulated Proton Therapy Plans for Lung Cancer. <i>International Journal of Radiation Oncology Biology Physics</i> , 2018, 101, 479-489.	0.8	44
6	Outcomes After Percutaneous Coronary Intervention With Stents in Patients Treated With Thoracic External Beam Radiation for Cancer. <i>JACC: Cardiovascular Interventions</i> , 2014, 7, 1412-1420.	2.9	43
7	Dosimetric comparison of distal esophageal carcinoma plans for patients treated with smallâ€“spot intensityâ€“modulated proton versus volumetricâ€“modulated arc therapies. <i>Journal of Applied Clinical Medical Physics</i> , 2019, 20, 15-27.	1.9	40
8	Defining the value framework for prostate brachytherapy using patient-centered outcome metrics and time-driven activity-based costing. <i>Brachytherapy</i> , 2016, 15, 274-282.	0.5	37
9	Multiple energy extraction reduces beam delivery time for a synchrotron-based proton spot-scanning system. <i>Advances in Radiation Oncology</i> , 2018, 3, 412-420.	1.2	36
10	Genome-based Mutational Analysis by Next Generation Sequencing in Patients with Malignant Pleural and Peritoneal Mesothelioma. <i>Anticancer Research</i> , 2016, 36, 2331-8.	1.1	34
11	Smallâ€“spot intensityâ€“modulated proton therapy and volumetricâ€“modulated arc therapies for patients with locally advanced nonâ€“smallâ€“cell lung cancer: A dosimetric comparative study. <i>Journal of Applied Clinical Medical Physics</i> , 2018, 19, 140-148.	1.9	32
12	Managing treatment-related uncertainties in proton beam radiotherapy for gastrointestinal cancers. <i>Journal of Gastrointestinal Oncology</i> , 2020, 11, 212-224.	1.4	32
13	Concurrent MCL1 and JUN amplification in pseudomyxoma peritonei: a comprehensive genetic profiling and survival analysis. <i>Journal of Human Genetics</i> , 2014, 59, 124-128.	2.3	31
14	Postoperative Cavity Stereotactic Radiosurgery for Brain Metastases. <i>Frontiers in Oncology</i> , 2018, 8, 342.	2.8	28
15	Intensity-Modulated Proton Therapy Adaptive Planning for Patients with Oropharyngeal Cancer. <i>International Journal of Particle Therapy</i> , 2017, 4, 26-34.	1.8	26
16	Network Modeling Identifies Patient-specific Pathways in Glioblastoma. <i>Scientific Reports</i> , 2016, 6, 28668.	3.3	25
17	Coronavirus disease 2019 (Covidâ€“19) vaccination recommendations in special populations and patients with existing comorbidities. <i>Reviews in Medical Virology</i> , 2022, 32, e2309.	8.3	25
18	Chemotherapeutic and targeted biological agents for metastatic bladder cancer: A comprehensive review. <i>International Journal of Urology</i> , 2014, 21, 630-637.	1.0	24

#	ARTICLE	IF	CITATIONS
19	Long-term Clinical Outcomes and Safety Profile of SBRT for Centrally Located NSCLC. <i>Advances in Radiation Oncology</i> , 2019, 4, 422-428.	1.2	24
20	Gender Is a Significant Prognostic Factor for Upper Tract Urothelial Carcinoma: A Large Hospital-Based Cancer Registry Study in an Endemic Area. <i>Frontiers in Oncology</i> , 2019, 9, 157.	2.8	23
21	Reduced acute toxicity and improved efficacy from intensity-modulated proton therapy (IMPT) for the management of head and neck cancer. <i>Chinese Clinical Oncology</i> , 2016, 5, 54-54.	1.2	23
22	Prophylactic Cranial Irradiation for Extensive Small-Cell Lung Cancer. <i>Journal of Oncology Practice</i> , 2017, 13, 732-738.	2.5	22
23	Photon and Proton Radiation Therapy Utilization in a Population of More Than 100 Million Commercially Insured Patients. <i>International Journal of Radiation Oncology Biology Physics</i> , 2017, 99, 1078-1082.	0.8	21
24	Development and Assessment of a Predictive Score for Vertebral Compression Fracture After Stereotactic Body Radiation Therapy for Spinal Metastases. <i>JAMA Oncology</i> , 2022, 8, 412.	7.1	21
25	Challenges posed by COVID-19 in cancer patients: A narrative review. <i>Cancer Medicine</i> , 2022, 11, 1119-1135.	2.8	21
26	Percutaneous revascularization in patients treated with thoracic radiation for cancer. <i>American Heart Journal</i> , 2017, 187, 98-103.	2.7	20
27	A Comparison of Patient-Reported Health-Related Quality of Life During Proton Versus Photon Chemoradiation Therapy for Esophageal Cancer. <i>Practical Radiation Oncology</i> , 2019, 9, 410-417.	2.1	20
28	Intensity-modulated proton therapy (IMPT) interplay effect evaluation of asymmetric breathing with simultaneous uncertainty considerations in patients with non-small cell lung cancer. <i>Medical Physics</i> , 2020, 47, 5428-5440.	3.0	20
29	The Impact of Tumor Treating Fields on Glioblastoma Progression Patterns. <i>International Journal of Radiation Oncology Biology Physics</i> , 2022, 112, 1269-1278.	0.8	20
30	Technical Note: Treatment planning system (TPS) approximations matter – comparing intensity-modulated proton therapy (IMPT) plan quality and robustness between a commercial and an in-house developed TPS for nonsmall cell lung cancer (NSCLC). <i>Medical Physics</i> , 2019, 46, 4755-4762.	3.0	19
31	Early Outcomes of Patients With Locally Advanced Non-small Cell Lung Cancer Treated With Intensity-Modulated Proton Therapy Versus Intensity-Modulated Radiation Therapy: The Mayo Clinic Experience. <i>Advances in Radiation Oncology</i> , 2020, 5, 450-458.	1.2	18
32	Gamma Knife radiosurgery for neurofibromatosis type 2-associated meningiomas: a 22-year patient series. <i>Journal of Neuro-Oncology</i> , 2016, 130, 553-560.	2.9	17
33	Pustular psoriasis flare-up in a patient with COVID-19. <i>Journal of Cosmetic Dermatology</i> , 2021, 20, 3364-3368.	1.6	17
34	A novel and individualized robust optimization method using normalized dose interval volume constraints (<sc>NDIVC</sc>) for intensity-modulated proton radiotherapy. <i>Medical Physics</i> , 2019, 46, 382-393.	3.0	16
35	Daily Lisinopril vs Placebo for Prevention of Chemoradiation-Induced Pulmonary Distress in Patients With Lung Cancer (Alliance MC1221): A Pilot Double-Blind Randomized Trial. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 103, 686-696.	0.8	15
36	Small-cell Lung Cancer in Very Elderly (>= 80 Years) Patients. <i>Clinical Lung Cancer</i> , 2019, 20, 313-321.	2.6	15

#	ARTICLE	IF	CITATIONS
37	Beam angle comparison for distal esophageal carcinoma patients treated with intensity-modulated proton therapy. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 141-152.	1.9	15
38	Neoadjuvant chemotherapy followed by concurrent chemoradiotherapy versus concurrent chemoradiotherapy alone in nasopharyngeal carcinoma patients with cervical nodal necrosis. <i>Scientific Reports</i> , 2017, 7, 42624.	3.3	14
39	Coronary artery bypass grafting in patients treated with thoracic radiation: a case-control study. <i>Open Heart</i> , 2018, 5, e000766.	2.3	14
40	The pervasive crisis of diminishing radiation therapy access for vulnerable populations in the United States-Part 4: Appalachian patients. <i>Advances in Radiation Oncology</i> , 2018, 3, 471-477.	1.2	14
41	Radiation therapy considerations during the COVID-19 Pandemic: Literature review and expert opinions. <i>Journal of Applied Clinical Medical Physics</i> , 2020, 21, 6-12.	1.9	14
42	Technical Note: 4D robust optimization in small spot intensity-modulated proton therapy (IMPT) for distal esophageal carcinoma. <i>Medical Physics</i> , 2021, 48, 4636-4647.	3.0	14
43	The effect of propolis on 5-fluorouracil-induced cardiac toxicity in rats. <i>Scientific Reports</i> , 2022, 12, .	3.3	14
44	The protective effects of quercetin nano-emulsion on intestinal mucositis induced by 5-fluorouracil in mice. <i>Biochemical and Biophysical Research Communications</i> , 2021, 585, 75-81.	2.1	13
45	Spot-scanned pancreatic stereotactic body proton therapy: A dosimetric feasibility and robustness study. <i>Physica Medica</i> , 2016, 32, 331-342.	0.7	11
46	A novel and fast method for proton range verification using a step wedge and 2D scintillator. <i>Medical Physics</i> , 2017, 44, 4409-4414.	3.0	11
47	Stereotactic body radiotherapy (SBRT) for central and ultracentral node-negative lung tumors. <i>Journal of Thoracic Disease</i> , 2020, 12, 7024-7031.	1.4	11
48	Patterns of inguinal lymph node metastases in anal canal cancer and recommendations for elective clinical target volume (CTV) delineation. <i>Radiotherapy and Oncology</i> , 2020, 149, 128-133.	0.6	11
49	Intensity Modulated Proton Therapy for Hepatocellular Carcinoma: Initial Clinical Experience. <i>Advances in Radiation Oncology</i> , 2021, 6, 100675.	1.2	11
50	Association of lung fluorodeoxyglucose uptake with radiation pneumonitis after concurrent chemoradiation for non-small cell lung cancer. <i>Clinical and Translational Radiation Oncology</i> , 2017, 4, 1-7.	1.7	10
51	The Insurance Approval Process for Proton Beam Therapy Must Change: Prior Authorization Is Crippling Access to Appropriate Health Care. <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 104, 737-739.	0.8	10
52	Neurological Manifestation of Colonic Adenocarcinoma. <i>Rare Tumors</i> , 2012, 4, 98-100.	0.6	9
53	N-Acetylcysteine Rinse for Thick Secretion and Mucositis of Head and Neck Chemoradiotherapy (Alliance MC13C2). <i>Mayo Clinic Proceedings</i> , 2019, 94, 1814-1824.	3.0	9
54	Primary extranodal lymphoma of the glands. Literature review and options for best practice in 2019. <i>Critical Reviews in Oncology/Hematology</i> , 2019, 135, 8-19.	4.4	8

#	ARTICLE	IF	CITATIONS
55	A Systematic Review on Re-irradiation with Charged Particle Beam Therapy in the Management of Locally Recurrent Skull Base and Head and Neck Tumors. <i>International Journal of Particle Therapy</i> , 2021, 8, 131-154.	1.8	8
56	Chemoradiotherapy for patients with locally advanced or unresectable extra-hepatic biliary cancer. <i>Journal of Gastrointestinal Oncology</i> , 2020, 11, 1408-1420.	1.4	8
57	SARS-CoV-2-related and Covid-19 vaccine-induced thromboembolic events: A comparative review. <i>Reviews in Medical Virology</i> , 2022, 32, e2327.	8.3	8
58	Angiosarcoma of the Seminal Vesicle: A Case Report of Long-Term Survival following Multimodality Therapy. <i>Rare Tumors</i> , 2014, 6, 7-9.	0.6	7
59	Linear accelerator-based single-fraction stereotactic body radiotherapy for symptomatic vertebral body hemangiomas: The Mayo Clinic experience. <i>Journal of Clinical Neuroscience</i> , 2020, 80, 74-78.	1.5	7
60	The combination of computed tomography features and circulating tumor cells increases the surgical prediction of visceral pleural invasion in clinical T1N0M0 lung adenocarcinoma. <i>Translational Lung Cancer Research</i> , 2021, 10, 4266-4280.	2.8	7
61	Non-arteritic anterior ischemic optic neuropathy as an atypical feature of COVID-19: A case report. <i>Journal Francais D'Ophtalmologie</i> , 2022, , .	0.4	7
62	Long-term Treatment Outcomes for Locally Advanced Esophageal Cancer. <i>American Journal of Clinical Oncology: Cancer Clinical Trials</i> , 2016, 39, 448-452.	1.3	6
63	Repeated measures analyses of dermatitis symptom evolution in breast cancer patients receiving radiotherapy in a phase 3 randomized trial of mometasone furoate vs placebo (N06C4 [alliance]). <i>Supportive Care in Cancer</i> , 2016, 24, 3847-3855.	2.2	6
64	Proton beam radiotherapy for patients with early-stage and advanced lung cancer: a narrative review with contemporary clinical recommendations. <i>Journal of Thoracic Disease</i> , 2021, 13, 1270-1285.	1.4	6
65	Clinical outcomes for hilar and extrahepatic cholangiocarcinoma with adjuvant, definitive, or liver transplant-based neoadjuvant chemoradiotherapy strategies: a single-center experience. <i>Journal of Gastrointestinal Oncology</i> , 2022, 13, 288-297.	1.4	6
66	Breakthrough SARS-CoV-2 infections after vaccination: a critical review. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-5.	3.3	6
67	The role of cytokines and their antagonists in the treatment of COVID-19 patients. <i>Reviews in Medical Virology</i> , 2023, 33, .	8.3	6
68	Patient-Reported Quality of Life Before and After Chemoradiation for Intact Pancreas Cancer: A Prospective Registry Study. <i>Practical Radiation Oncology</i> , 2021, 11, e63-e69.	2.1	5
69	COVID-19 vaccination challenges: A mini-review. <i>Human Vaccines and Immunotherapeutics</i> , 2022, 18, 1-9.	3.3	5
70	Doxepin for radiation therapy-induced mucositis pain in the treatment of oral cancers. <i>Oncology Reviews</i> , 2015, 9, 290.	1.8	4
71	Technical Note: Using dual step wedge and 2D scintillator to achieve highly precise and robust proton range quality assurance. <i>Medical Physics</i> , 2018, 45, 2947-2951.	3.0	4
72	Intact SMAD-4 is a predictor of increased locoregional recurrence in upfront resected pancreas cancer receiving adjuvant therapy. <i>Journal of Gastrointestinal Oncology</i> , 2021, 12, 2275-2286.	1.4	4

#	ARTICLE	IF	CITATIONS
73	Multi-institutional Comparison of Intensity Modulated Photon Versus Proton Radiation Therapy in the Management of Squamous Cell Carcinoma of the Anus. <i>Advances in Radiation Oncology</i> , 2021, 6, 100744.	1.2	4
74	External Beam Radiation Therapy for Recalcitrant Dermatitis. <i>Acta Dermato-Venereologica</i> , 2014, 94, 717-719.	1.3	3
75	Design and characterization of an economical ¹⁹² Ir hemi-brain small animal irradiator. <i>International Journal of Radiation Biology</i> , 2014, 90, 936-942.	1.8	3
76	The Impact of Healthcare Access on Knowledge and Willingness for HIV Testing in Chinese Female Entertainment Workers. <i>Journal of Immigrant and Minority Health</i> , 2015, 17, 1322-1329.	1.6	3
77	The Road Less Traveled: Should We Omit Prophylactic Cranial Irradiation for Patients With Small Cell Lung Cancer?. <i>Clinical Lung Cancer</i> , 2018, 19, 289-293.	2.6	3
78	Radiation Contamination Following Cremation of a Deceased Patient Treated With a Radiopharmaceutical. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 803.	7.4	3
79	Proton therapy for thoracic malignancies: a review of oncologic outcomes. <i>Expert Review of Anticancer Therapy</i> , 2021, 21, 177-191.	2.4	3
80	Carbon ion radiotherapy in the management of non-small cell lung cancer. <i>Precision Radiation Oncology</i> , 2022, 6, 69-74.	1.1	3
81	Erlotinib-Associated Rash Exacerbated by Whole-Brain Radiation Therapy: A Patient's Case Report. <i>Practical Radiation Oncology</i> , 2019, 9, 128-131.	2.1	2
82	Long-term toxicity and survival outcomes after stereotactic ablative radiotherapy for patients with centrally located thoracic tumors. <i>Radiology and Oncology</i> , 2020, 54, 480-487.	1.7	2
83	Editorial Comment to Transurethral resection of the prostate after radiotherapy for prostate cancer: Impact on quality of life. <i>International Journal of Urology</i> , 2014, 21, 904-904.	1.0	1
84	Proton stereotactic body radiation therapy for non-small cell lung cancer. <i>Annals of Translational Medicine</i> , 2020, 8, 1198-1198.	1.7	1
85	Radiotherapeutic Management of Synchronous Prostate and Rectal Cancers Using Proton Beam Therapy. <i>International Journal of Particle Therapy</i> , 2021, 8, 82-88.	1.8	1
86	Technical Note: Multiple energy extraction techniques for synchrotron-based proton delivery systems may exacerbate motion interplay effects in lung cancer treatments. <i>Medical Physics</i> , 2021, 48, 4812-4823.	3.0	1
87	Stereotactic body radiotherapy for early-stage non-small cell lung cancer has low post-treatment mortality. <i>Journal of Thoracic Disease</i> , 2018, 10, S2004-S2006.	1.4	0
88	Palliative radiotherapy for hepatobiliary obstruction caused by colorectal metastases. <i>Journal of Gastrointestinal Oncology</i> , 2019, 10, 1157-1161.	1.4	0
89	Abstract 18855: Outcomes after Coronary Artery Bypass Graft Surgery in Patients Treated with Thoracic Radiotherapy for Cancer. <i>Circulation</i> , 2014, 130, .	1.6	0
90	Implementation of Photon Treatment Back-up Workflow at a High-Volume Proton Center: Safety, Quality, and Patient Considerations. <i>Practical Radiation Oncology</i> , 2022, 12, e453-e459.	2.1	0