Frank Anton Giordano

List of Publications by Year
in descending order

123 papers	1,919 citations	279778 23 h-index	361001 35 g-index
123 all docs	123 docs citations	123 times ranked	2208 citing authors

#	Article	IF	Citations
1	Multiple direction needle-path planning and inverse dose optimization for robotic low-dose rate brachytherapy. Zeitschrift Fur Medizinische Physik, 2022, 32, 173-187.	1.5	2
2	Molecular features of glioblastomas in long-term survivors compared to short-term survivorsâ€"a matched-pair analysis. Radiation Oncology, 2022, 17, 15.	2.7	7
3	Phase I/II trial of meclofenamate in progressive MGMT-methylated glioblastoma under temozolomide second-line therapyâ€"the MecMeth/NOA-24 trial. Trials, 2022, 23, 57.	1.6	10
4	Targeting Cell Cycle Checkpoint Kinases to Overcome Intrinsic Radioresistance in Brain Tumor Cells. Cancers, 2022, 14, 701.	3.7	7
5	Systemic Effects Reflected in Specific Biomarker Patterns Are Instrumental for the Paradigm Change in Prostate Cancer Management: A Strategic Paper. Cancers, 2022, 14, 675.	3.7	10
6	Benchmarking Safety Indicators of Surgical Treatment of Brain Metastases Combined with Intraoperative Radiotherapy: Results of Prospective Observational Study with Comparative Matched-Pair Analysis. Cancers, 2022, 14, 1515.	3.7	11
7	Long-Term Outcomes of an International Cooperative Study of Intraoperative Radiotherapy Upfront Boost With Low Energy X-Rays in Breast Cancer. Frontiers in Oncology, 2022, 12, 850351.	2.8	3
8	Anti-breast cancer effects of phytochemicals: primary, secondary, and tertiary care. EPMA Journal, 2022, 13, 315-334.	6.1	34
9	Longitudinal Remote SBRT/SRS Training in Latin America: A Prospective Cohort Study. Frontiers in Oncology, 2022, 12, 851849.	2.8	5
10	Disconnecting multicellular networks in brain tumours. Nature Reviews Cancer, 2022, 22, 481-491.	28.4	44
11	Radiotherapy and olaptesed pegol (NOX-A12) in partially resected or biopsy-only MGMT-unmethylated glioblastoma: Interim data from the German multicenter phase 1/2 GLORIA trial.. Journal of Clinical Oncology, 2022, 40, 2050-2050.	1.6	1
12	Anti-prostate cancer protection and therapy in the framework of predictive, preventive and personalised medicine â€" comprehensive effects of phytochemicals in primary, secondary and tertiary care. EPMA Journal, 2022, 13, 461-486.	6.1	15
13	Drug repurposing using transcriptome sequencing and virtual drug screening in a patient with glioblastoma. Investigational New Drugs, 2021, 39, 670-685.	2.6	6
14	A knowledgeâ€based quantitative approach to characterize treatment plan quality: Application to prostate VMAT planning. Medical Physics, 2021, 48, 94-104.	3.0	2
15	Cone Beam CT-Based Daily Adaptive Planning or Defined-Filling Protocol for Neoadjuvant Gastric Cancer Radiation Therapy: A Comparison. Advances in Radiation Oncology, 2021, 6, 100593.	1.2	3
16	Single-Fraction Adjuvant Electronic Brachytherapy after Resection of Conjunctival Carcinoma. Cancers, 2021, 13, 454.	3.7	0
17	Prognostic Value of Preoperative Inflammatory Markers in Melanoma Patients with Brain Metastases. Journal of Clinical Medicine, 2021, 10, 634.	2.4	12
18	Gene Expression Profiles Reveal Extracellular Matrix and Inflammatory Signaling in Radiation-Induced Premature Differentiation of Human Fibroblast in vitro. Frontiers in Cell and Developmental Biology, 2021, 9, 539893.	3.7	7

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19	The Impact of Prolonged Mechanical Ventilation on Overall Survival in Patients With Surgically Treated Brain Metastases. Frontiers in Oncology, 2021, 11, 658949.	2.8	10
20	Mitochondrial impairments in aetiopathology of multifactorial diseases: common origin but individual outcomes in context of 3P medicine. EPMA Journal, 2021, 12, 27-40.	6.1	44
21	Efficacy of PSMA PET-Guided Radiotherapy for Oligometastatic Castrate-Resistant Prostate Cancer. Frontiers in Oncology, 2021, 11, 664225.	2.8	7
22	Flavonoids as an effective sensitizer for anti-cancer therapy: insights into multi-faceted mechanisms and applicability towards individualized patient profiles. EPMA Journal, 2021, 12, 155-176.	6.1	71
23	Druggable epigenetic suppression of interferon-induced chemokine expression linked to MYCN amplification in neuroblastoma. , 2021, 9, e001335.		19
24	Implementation, relevance, and virtual adaptation of neuro-oncological tumor boards during the COVID-19 pandemic: a nationwide provider survey. Journal of Neuro-Oncology, 2021, 153, 479-485.	2.9	20
25	Intracellular Delivery of Doxorubicin by Iron Oxide-Based Nano-Constructs Increases Clonogenic Inactivation of Ionizing Radiation in HeLa Cells. International Journal of Molecular Sciences, 2021, 22, 6778.	4.1	8
26	Outcome of Elderly Patients With Surgically Treated Brain Metastases. Frontiers in Oncology, 2021, 11, 713965.	2.8	14
27	In regard to Minniti et al.: Current status and recent advances in resection cavity irradiation of brain metastasesâ€"roundup to cover all angles. Radiation Oncology, 2021, 16, 127.	2.7	0
28	Combined Assessment of Preoperative Frailty and Sarcopenia Allows the Prediction of Overall Survival in Patients with Lung Cancer (NSCLC) and Surgically Treated Brain Metastasis. Cancers, 2021, 13, 3353.	3.7	18
29	Protective Effects of Flavonoids Against Mitochondriopathies and Associated Pathologies: Focus on the Predictive Approach and Personalized Prevention. International Journal of Molecular Sciences, 2021, 22, 8649.	4.1	18
30	Targeting phytoprotection in the COVID-19-induced lung damage and associated systemic effectsâ€"the evidence-based 3PM proposition to mitigate individual risks. EPMA Journal, 2021, 12, 325-347.	6.1	9
31	Endothelin-1 axes in the framework of predictive, preventive and personalised (3P) medicine. EPMA Journal, 2021, 12, 265-305.	6.1	46
32	Preoperative Metastatic Brain Tumor-Associated Intracerebral Hemorrhage Is Associated With Dismal Prognosis. Frontiers in Oncology, 2021, 11, 699860.	2.8	11
33	The Surgical Management of Brain Metastases in Non-Small Cell Lung Cancer (NSCLC): Identification of the Early Laboratory and Clinical Determinants of Survival. Journal of Clinical Medicine, 2021, 10, 4013.	2.4	1
34	Dosimetric Comparison of Upfront Boosting With Stereotactic Radiosurgery Versus Intraoperative Radiotherapy for Glioblastoma. Frontiers in Oncology, 2021, 11, 759873.	2.8	7
35	Abscopal Effects in Metastatic Cancer: Is a Predictive Approach Possible to Improve Individual Outcomes?. Journal of Clinical Medicine, 2021, 10, 5124.	2.4	10
36	MRI Detection of Changes in Tissue Sodium Concentration in Brain Metastases after Stereotactic Radiosurgery: A Feasibility Study. Journal of Neuroimaging, 2021, 31, 297-305.	2.0	4

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37	Flavonoids against non-physiologic inflammation attributed to cancer initiation, development, and progressionâ€”3PM pathways. EPMA Journal, 2021, 12, 559-587.	6.1	47
38	Chasing aÂrarity: aÂretrospective single-center evaluation of prognostic factors in primary gliosarcoma. Strahlentherapie Und Onkologie, 2021, , 1.	2.0	2
39	Dosimetric Comparison of Intraoperative Radiotherapy and SRS for Liver Metastases. Frontiers in Oncology, 2021, 11, 767468.	2.8	0
40	Digital Follow-Up and the Perspective of Patient-Centered Care in Oncology: Whatâ€™s the PROblem?. Oncology, 2020, 98, 379-385.	1.9	21
41	Longitudinal MRI findings in patients with newly diagnosed glioblastoma after intraoperative radiotherapy. Journal of Neuroradiology, 2020, 47, 166-173.	1.1	6
42	Neuro-Endocrine Recovery After Pituitary Apoplexy: Prolactin as a Predictive Factor. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 283-289.	1.2	8
43	Open-Label Phase II Evaluation of Imatinib in Primary Inoperable or Incompletely Resected and Recurrent Glioblastoma. Oncology, 2020, 98, 16-22.	1.9	23
44	Intraoperative radiotherapy for glioblastoma: an international pooled analysis. Radiotherapy and Oncology, 2020, 142, 162-167.	0.6	22
45	Long-term outcome after intraoperative radiotherapy as aÂboost in breast cancer. Strahlentherapie Und Onkologie, 2020, 196, 349-355.	2.0	24
46	Prospective trial on telemonitoring of geriatric cancer patients using handheld devices. Strahlentherapie Und Onkologie, 2020, 196, 205-212.	2.0	8
47	Long-term outcome after combined kyphoplasty and intraoperative radiotherapy (Kypho-IORT) for vertebral tumors. Radiation Oncology, 2020, 15, 263.	2.7	9
48	Evaluation of a cycle-generative adversarial network-based cone-beam CT to synthetic CT conversion algorithm for adaptive radiation therapy. Physica Medica, 2020, 80, 308-316.	0.7	35
49	Single-fraction low-energy electronic brachytherapy for conjunctival lymphoma. Journal of Contemporary Brachytherapy, 2020, 12, 267-272.	0.9	3
50	Response of advanced HCC to pembrolizumab and lenvatinib combination therapy despite monotherapy failure. Zeitschrift Fur Gastroenterologie, 2020, 58, 773-777.	0.5	8
51	Optimal multiparametric set-up modelled for best survival outcomes in palliative treatment of liver malignancies: unsupervised machine learning and 3ÂPM recommendations. EPMA Journal, 2020, 11, 505-515.	6.1	25
52	Low-dose radiotherapy for COVID-19 pneumonia treatment: case report, procedure, and literature review. Strahlentherapie Und Onkologie, 2020, 196, 1086-1093.	2.0	22
53	Carotenoids in Cancer Apoptosisâ€”The Road from Bench to Bedside and Back. Cancers, 2020, 12, 2425.	3.7	65
54	Liquid Biopsy is Instrumental for 3PM Dimensional Solutions in Cancer Management. Journal of Clinical Medicine, 2020, 9, 2749.	2.4	26

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55	Objective Evaluation of Risk Factors for Radiation Dermatitis in Whole-Breast Irradiation Using the Spectrophotometric L*a*b Color-Space. Cancers, 2020, 12, 2444.	3.7	22
56	Cell-free nucleic acid patterns in disease prediction and monitoringâ€"hype or hope?. EPMA Journal, 2020, 11, 603-627.	6.1	58
57	Comorbidity Burden and Presence of Multiple Intracranial Lesions Are Associated with Adverse Events after Surgical Treatment of Patients with Brain Metastases. Cancers, 2020, 12, 3209.	3.7	21
58	Prospective assessment of mask versus frame fixation during Gamma Knife treatment for brain metastases. Radiotherapy and Oncology, 2020, 147, 195-199.	0.6	19
59	Oncology Informatics: Status Quo and Outlook. Oncology, 2020, 98, 329-331.	1.9	7
60	Intraoperative radiotherapy with low energy x-rays for primary and recurrent soft-tissue sarcomas. Radiation Oncology, 2020, 15, 110.	2.7	7
61	Genoprotective activities of plant natural substances in cancer and chemopreventive strategies inÂthe context of 3P medicine. EPMA Journal, 2020, 11, 261-287.	6.1	56
62	Prostate cancer management: long-term beliefs, epidemic developments in the early twenty-first century and 3PM dimensional solutions. EPMA Journal, 2020, 11, 399-418.	6.1	58
63	Adjuvant electronic brachytherapy for endometrial carcinoma: A 4-year outcomes report. Brachytherapy, 2020, 19, 635-641.	0.5	1
64	Intraoperative radiotherapy as an immediate adjuvant treatment of rectal cancer due to limited access to external-beam radiotherapy. Radiation Oncology, 2020, 15, 11.	2.7	9
65	Radiosurgery for ventricular tachycardia: preclinical and clinical evidence and study design for a German multi-center multi-platform feasibility trial (RAVENTA). Clinical Research in Cardiology, 2020, 109, 1319-1332.	3.3	40
66	Rho GTPases in Gynecologic Cancers: In-Depth Analysis toward the Paradigm Change from Reactive to Predictive, Preventive, and Personalized Medical Approach Benefiting the Patient and Healthcare. Cancers, 2020, 12, 1292.	3.7	10
67	Feasibility of interstitial stepping-source electronic brachytherapy to locally inoperable tumors. Journal of Contemporary Brachytherapy, 2020, 12, 480-486.	0.9	0
68	Irradiation Delays Tissue Growth but Enhances Osteogenic Differentiation in Vascularized Constructs. Journal of Reconstructive Microsurgery, 2019, 35, 046-056.	1.8	2
69	Intraoperative radiotherapy (IORT) for surgically resected brain metastases: outcome analysis of an international cooperative study. Journal of Neuro-Oncology, 2019, 145, 391-397.	2.9	32
70	Radiation-induced malignancies after intensity-modulated versus conventional mediastinal radiotherapy in a small animal model. Scientific Reports, 2019, 9, 15489.	3.3	4
71	Ultrasound-based repositioning and real-time monitoring for abdominal SBRT in DIBH. Physica Medica, 2019, 65, 46-52.	0.7	8
72	Postoperative elective pelvic nodal irradiation compared to prostate bed irradiation in locally advanced prostate cancer â€" a retrospective analysis of dose-escalated patients. Radiation Oncology, 2019, 14, 96.	2.7	2

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73	Combined kyphoplasty and intraoperative radiotherapy (Kypho-IORT) versus external beam radiotherapy (EBRT) for painful vertebral metastases - a randomized phase III study. BMC Cancer, 2019, 19, 430.	2.6	7
74	Targeting the Post-Irradiation Tumor Microenvironment in Glioblastoma via Inhibition of CXCL12. Cancers, 2019, 11, 272.	3.7	15
75	A HYPOTHESIS OF RADIORESISTANCE AND CELL-SURVIVAL CURVE SHAPE BASED ON CELL-CYCLE PROGRESSION AND DAMAGE TOLERANCE. Radiation Protection Dosimetry, 2019, 183, 107-110.	0.8	1
76	Quality of Life and Decision Regret After Postoperative Radiation Therapy to the Prostatic Bed Region With or Without Elective Pelvic Nodal Radiation Therapy. Practical Radiation Oncology, 2019, 9, e516-e527.	2.1	1
77	Heterogeneity of glioblastoma with gliomatosis cerebri growth pattern on diffusion and perfusion MRI. Journal of Neuro-Oncology, 2019, 142, 103-109.	2.9	4
78	Association of CD4+ Radiation-Induced Lymphocyte Apoptosis with Fibrosis and Telangiectasia after Radiotherapy in 272 Breast Cancer Patients with >10-Year Follow-up. Clinical Cancer Research, 2019, 25, 562-572.	7.0	11
79	Intraoperative Radiotherapy in Newly Diagnosed Glioblastoma (INTRAGO): An Open-Label, Dose-Escalation Phase I/II Trial. Neurosurgery, 2019, 84, 41-49.	1.1	39
80	Study Protocol: Early Stereotactic Gamma Knife Radiosurgery to Residual Tumor After Surgery of Newly Diagnosed Glioblastoma (Gamma-GBM). Neurosurgery, 2019, 84, 1133-1137.	1.1	4
81	Long-term changes in blood counts after intraoperative radiotherapy for breast cancerâ€"single center experience and review of the literature. Translational Cancer Research, 2019, 8, 1882-1903.	1.0	6
82	Axially vascularized tissueâ€engineered bone constructs retain their in vivo angiogenic and osteogenic capacity after highâ€dose irradiation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e657-e668.	2.7	14
83	Predictive and prognostic value of tumor volume and its changes during radical radiotherapy of stageÂIII non-small cell lung cancer. Strahlentherapie Und Onkologie, 2018, 194, 79-90.	2.0	30
84	Phase I/II trial of combined kyphoplasty and intraoperative radiotherapy in spinal metastases. Spine Journal, 2018, 18, 776-781.	1.3	15
85	Recurrent pseudoprogression in isocitrate dehydrogenase 1 mutant glioblastoma. Journal of Clinical Neuroscience, 2018, 53, 255-258.	1.5	1
86	Radiotherapy, tumor mutational burden, and immune checkpoint inhibitors: time to do the math. Strahlentherapie Und Onkologie, 2018, 194, 873-875.	2.0	11
87	Treatment of Adrenal Metastases with Conventional or Hypofractionated Image-guided Radiation Therapy â€“ Patterns and Outcomes. Anticancer Research, 2018, 38, 4789-4796.	1.1	18
88	Validation of frame-based positioning accuracy with cone-beam computed tomography in Gamma Knife Icon radiosurgery. Physica Medica, 2018, 52, 93-97.	0.7	7
89	Besondere Aspekte in der Versorgung alter und geriatrischer Patienten mit Gehirntumoren. , 2018, , 563-571.		0
90	Combined stereotactic biopsy and stepping-source interstitial irradiation of glioblastoma multiforme. Journal of Neurosurgical Sciences, 2018, 62, 214-220.	0.6	2

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91	Collimator optimization for small animal radiation therapy at a micro-CT. Zeitschrift Fur Medizinische Physik, 2017, 27, 56-64.	1.5	2
92	Answer to the comment of Hai Lu et al. regarding â€œHepatotoxicity by combination treatment of temozolomide, artesunate and Chinese herbs in a glioblastoma multiforme patient: case report and review of the literature. Arch Toxicol (2016)â€¦ Archives of Toxicology, 2017, 91, 2491-2492.	4.2	2
93	Management of Progressive Pulmonary Nodules FoundÂduring and outside of CT Lung Cancer Screening Studies. Journal of Thoracic Oncology, 2017, 12, 1755-1765.	1.1	9
94	Hepatotoxicity by combination treatment of temozolomide, artesunate and Chinese herbs in a glioblastoma multiforme patient: case report review of the literature. Archives of Toxicology, 2017, 91, 1833-1846.	4.2	45
95	Immunotherapy Combined with Large Fractions of Radiotherapy: Stereotactic Radiosurgery for Brain Metastasesâ€"Implications for Intraoperative Radiotherapy after Resection. Frontiers in Oncology, 2017, 7, 147.	2.8	24
96	Besondere Aspekte in der Versorgung alter und geriatrischer Patienten mit Gehirntumoren. , 2017, , 1-9.		0
97	RTHP-05. INTRAOPERATIVE RADIOTHERAPY (IORT) USING LOW-ENERGY X-RAYS IN AÂCOHORT OF PREDOMINANTLY INCOMPLETELY RESECTED NEWLY DIAGNOSED GLIOBLASTOMA MULTIFORME (INTRAGO) Tj ET Q q 1 0 0 1 0.78 4314 rg BT		
98	The GNAQ in the haystack: intramedullary meningeal melanocytoma of intermediate grade at T9â€"10 in a 58-year-old woman. Journal of Neurosurgery, 2016, 125, 53-56.	1.6	9
99	Imaging of Orthotopic Glioblastoma Xenografts in Mice Using a Clinical CT Scanner: Comparison with Micro-CT and Histology. PLoS ONE, 2016, 11, e0165994.	2.5	17
100	The HIV-derived protein Vpr52-96 has anti-glioma activity in vitro and in vivo. Oncotarget, 2016, 7, 45500-45512.	1.8	1
101	Phase I/II trial on intraoperative radiotherapy (IORT) in glioblastoma multiforme (INTRAGO).. Journal of Clinical Oncology, 2016, 34, e13503-e13503.	1.6	0
102	Rationale for intraoperative radiotherapy in glioblastoma. Journal of Neurosurgical Sciences, 2016, 60, 350-6.	0.6	8
103	High-throughput monitoring of integration site clonality in preclinical and clinical gene therapy studies. Molecular Therapy - Methods and Clinical Development, 2015, 2, 14061.	4.1	8
104	Image-Guided Radiotherapy Using a Modified Industrial Micro-CT for Preclinical Applications. PLoS ONE, 2015, 10, e0126246.	2.5	19
105	Metronomic chemotherapy with daily low-dose temozolomide and celecoxib in elderly patients with newly diagnosed glioblastoma multiforme: a retrospective analysis. Journal of Neuro-Oncology, 2015, 124, 265-273.	2.9	16
106	In vivo micro-CT imaging of untreated and irradiated orthotopic glioblastoma xenografts in mice: capabilities, limitations and a comparison with bioluminescence imaging. Journal of Neuro-Oncology, 2015, 122, 245-254.	2.9	19
107	23Na-MRI of recurrent glioblastoma multiforme after intraoperative radiotherapy: technical note. Neuroradiology, 2015, 57, 321-326.	2.2	12
108	Impact of flattening-filter-free radiation on the clonogenic survival of astrocytic cell lines. Strahlentherapie Und Onkologie, 2015, 191, 590-596.	2.0	6

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109	Metronomic chemotherapy with daily low-dose temozolomide and celecoxib in elderly patients with newly diagnosed glioblastoma multiforme.. Journal of Clinical Oncology, 2015, 33, e13046-e13046.	1.6	0
110	Abstract 4458: The HIV-derived protein Vpr52-96has anti-glioma activity in vitro and in vivo. , 2015, , .		0
111	Long-Term Episomal Transgene Expression from Mitotically Stable Integration-Deficient Lentiviral Vectors. Human Gene Therapy, 2014, 25, 428-442.	2.7	28
112	INTRAGO: intraoperative radiotherapy in glioblastoma multiforme â€“ a Phase I/II dose escalation study. BMC Cancer, 2014, 14, 992.	2.6	35
113	Second cancer risk after 3D-CRT, IMRT and VMAT for breast cancer. Radiotherapy and Oncology, 2014, 110, 471-476.	0.6	138
114	Impact of raltegravir on HIV-1 RNA and DNA forms following initiation of antiretroviral therapy in treatment-naive patients. Journal of Antimicrobial Chemotherapy, 2014, 69, 2809-2818.	3.0	10
115	Estimation of intracranial failure risk following hippocampal-sparing whole brain radiotherapy. Radiotherapy and Oncology, 2013, 109, 152-158.	0.6	57
116	Mitogenic signalling in the absence of epidermal growth factor receptor activation in a human glioblastoma cell line. Journal of Neuro-Oncology, 2013, 115, 323-331.	2.9	8
117	Potential toxicities of prophylactic cranial irradiation. Translational Lung Cancer Research, 2012, 1, 254-62.	2.8	11
118	A Lentiviral CXCR4 Overexpression and Knockdown Model in Colorectal Cancer Cell Lines Reveals Plerixafor-Dependent Suppression of SDF-1Î±-Induced Migration and Invasion. Oncology Research and Treatment, 2011, 34, 502-508.	1.2	12
119	Unrestricted somatic stem cells: interaction with CD34+ cells in vitro and in vivo, expression of homing genes and exclusion of tumorigenic potential. Cytotherapy, 2011, 13, 357-365.	0.7	12
120	Clonal Inventory Screens Uncover Monoclonality Following Serial Transplantation ofMGMTP140K-Transduced Stem Cells and Dose-Intense Chemotherapy. Human Gene Therapy, 2011, 22, 697-710.	2.7	17
121	Cold spots in hot spots: transcription start sites of active genes are spared from HIV vector integration. Aids, 2009, 23, 2535-2537.	2.2	1
122	Genes Involved in Acute Leukemias Are Favored Targets of HIV Vector Integration. Blood, 2007, 110, 3738-3738.	1.4	0
123	769. Genes Encoding Receptors, Signal Transducers and Transcription Regulators Are Preferred Targets of Retroviral Vector Integration in T-Lymphocytes In Vitro and In Vivo. Molecular Therapy, 2006, 13, S297-S298.	8.2	0