## Frank Anton Giordano

List of Publications by Year in descending order

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123 papers

1,919 citations

279798 23 h-index 35 g-index

123 all docs

123
docs citations

times ranked

123

2208 citing authors

#	Article	IF	CITATIONS
1	Second cancer risk after 3D-CRT, IMRT and VMAT for breast cancer. Radiotherapy and Oncology, 2014, 110, 471-476.	0.6	138
2	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
3	Carotenoids in Cancer Apoptosis—The Road from Bench to Bedside and Back. Cancers, 2020, 12, 2425.	3.7	65
4	Cell-free nucleic acid patterns in disease prediction and monitoring—hype or hope?. EPMA Journal, 2020, 11, 603-627.	6.1	58
5	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
6	Estimation of intracranial failure risk following hippocampal-sparing whole brain radiotherapy. Radiotherapy and Oncology, 2013, 109, 152-158.	0.6	57
7	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
8	Flavonoids against non-physiologic inflammation attributed to cancer initiation, development, and progression—3PM pathways. EPMA Journal, 2021, 12, 559-587.	6.1	47
9	Endothelin-1 axes in the framework of predictive, preventive and personalised (3P) medicine. EPMA Journal, 2021, 12, 265-305.	6.1	46
10	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
11	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
12	Disconnecting multicellular networks in brain tumours. Nature Reviews Cancer, 2022, 22, 481-491.	28.4	44
13	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
14	Intraoperative Radiotherapy in Newly Diagnosed Glioblastoma (INTRAGO): An Open-Label, Dose-Escalation Phase I/II Trial. Neurosurgery, 2019, 84, 41-49.	1.1	39
15	INTRAGO: intraoperative radiotherapy in glioblastoma multiforme – a Phase I/II dose escalation study. BMC Cancer, 2014, 14, 992.	2.6	35
16	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
17	Anti-breast cancer effects of phytochemicals: primary, secondary, and tertiary care. EPMA Journal, 2022, 13, 315-334.	6.1	34
18	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

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19	Predictive and prognostic value of tumor volume and its changes during radical radiotherapy of stageÂlll non-small cell lung cancer. Strahlentherapie Und Onkologie, 2018, 194, 79-90.	2.0	30
20	Long-Term Episomal Transgene Expression from Mitotically Stable Integration-Deficient Lentiviral Vectors. Human Gene Therapy, 2014, 25, 428-442.	2.7	28
21	Liquid Biopsy is Instrumental for 3PM Dimensional Solutions in Cancer Management. Journal of Clinical Medicine, 2020, 9, 2749.	2.4	26
22	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
23	Immunotherapy Combined with Large Fractions of Radiotherapy: Stereotactic Radiosurgery for Brain Metastases—Implications for Intraoperative Radiotherapy after Resection. Frontiers in Oncology, 2017, 7, 147.	2.8	24
24	Long-term outcome after intraoperative radiotherapy as aÂboost in breast cancer. Strahlentherapie Und Onkologie, 2020, 196, 349-355.	2.0	24
25	Open-Label Phase II Evaluation of Imatinib in Primary Inoperable or Incompletely Resected and Recurrent Glioblastoma. Oncology, 2020, 98, 16-22.	1.9	23
26	Intraoperative radiotherapy for glioblastoma: an international pooled analysis. Radiotherapy and Oncology, 2020, 142, 162-167.	0.6	22
27	Low-dose radiotherapy for COVID-19 pneumonia treatment: case report, procedure, and literature review. Strahlentherapie Und Onkologie, 2020, 196, 1086-1093.	2.0	22
28	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
29	Digital Follow-Up and the Perspective of Patient-Centered Care in Oncology: What's the PROblem?. Oncology, 2020, 98, 379-385.	1.9	21
30	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
31	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
32	Image-Guided Radiotherapy Using a Modified Industrial Micro-CT for Preclinical Applications. PLoS ONE, 2015, 10, e0126246.	2.5	19
33	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
34	Prospective assessment of mask versus frame fixation during Gamma Knife treatment for brain metastases. Radiotherapy and Oncology, 2020, 147, 195-199.	0.6	19
35	Druggable epigenetic suppression of interferon-induced chemokine expression linked to <i>MYCN</i> amplification in neuroblastoma., 2021, 9, e001335.		19
36	Treatment of Adrenal Metastases with Conventional or Hypofractionated Image-guided Radiation Therapy – Patterns and Outcomes. Anticancer Research, 2018, 38, 4789-4796.	1.1	18

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37	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
38	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
39	Clonal Inventory Screens Uncover Monoclonality Following Serial Transplantation of MGMTP140K-Transduced Stem Cells and Dose-Intense Chemotherapy. Human Gene Therapy, 2011, 22, 697-710.	2.7	17
40	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
41	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
42	Phase I/II trial of combined kyphoplasty and intraoperative radiotherapy in spinal metastases. Spine Journal, 2018, 18, 776-781.	1.3	15
43	Targeting the Post-Irradiation Tumor Microenvironment in Glioblastoma via Inhibition of CXCL12. Cancers, 2019, 11, 272.	3.7	15
44	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
45	Axially vascularized tissueâ€engineered bone constructs retain their ⟨i⟩in vivo⟨ i⟩ angiogenic and osteogenic capacity after highâ€dose irradiation. Journal of Tissue Engineering and Regenerative Medicine, 2018, 12, e657-e668.	2.7	14
46	Outcome of Elderly Patients With Surgically Treated Brain Metastases. Frontiers in Oncology, 2021, 11, 713965.	2.8	14
47	A Lentiviral CXCR4 Overexpression and Knockdown Model in Colorectal Cancer Cell Lines Reveals Plerixafor-Dependent Suppression of SDF-1α-Induced Migration and Invasion. Oncology Research and Treatment, 2011, 34, 502-508.	1.2	12
48	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
49	23Na-MRI of recurrent glioblastoma multiforme after intraoperative radiotherapy: technical note. Neuroradiology, 2015, 57, 321-326.	2.2	12
50	Prognostic Value of Preoperative Inflammatory Markers in Melanoma Patients with Brain Metastases. Journal of Clinical Medicine, 2021, 10, 634.	2.4	12
51	Radiotherapy, tumor mutational burden, and immune checkpoint inhibitors: time to do the math. Strahlentherapie Und Onkologie, 2018, 194, 873-875.	2.0	11
52	Association of CD4+ Radiation-Induced Lymphocyte Apoptosis with Fibrosis and Telangiectasia after Radiotherapy in 272 Breast Cancer Patients with & Samp;gt;10-Year Follow-up. Clinical Cancer Research, 2019, 25, 562-572.	7.0	11
53	Preoperative Metastatic Brain Tumor-Associated Intracerebral Hemorrhage Is Associated With Dismal Prognosis. Frontiers in Oncology, 2021, 11, 699860.	2.8	11
54	Potential toxicities of prophylactic cranial irradiation. Translational Lung Cancer Research, 2012, 1, 254-62.	2.8	11

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55	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
56	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
57	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
58	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
59	Abscopal Effects in Metastatic Cancer: Is a Predictive Approach Possible to Improve Individual Outcomes?. Journal of Clinical Medicine, 2021, 10, 5124.	2.4	10
60	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
61	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
62	The GNAQ in the haystack: intramedullary meningeal melanocytoma of intermediate grade at T9–10 in a 58-year-old woman. Journal of Neurosurgery, 2016, 125, 53-56.	1.6	9
63	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
64	Long-term outcome after combined kyphoplasty and intraoperative radiotherapy (Kypho-IORT) for vertebral tumors. Radiation Oncology, 2020, 15, 263.	2.7	9
65	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
66	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
67	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
68	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
69	Ultrasound-based repositioning and real-time monitoring for abdominal SBRT in DIBH. Physica Medica, 2019, 65, 46-52.	0.7	8
70	Neuro-Endocrine Recovery After Pituitary Apoplexy: Prolactin as a Predictive Factor. Experimental and Clinical Endocrinology and Diabetes, 2020, 128, 283-289.	1.2	8
71	Prospective trial on telemonitoring of geriatric cancer patients using handheld devices. Strahlentherapie Und Onkologie, 2020, 196, 205-212.	2.0	8
72	Response of advanced HCC to pembrolizumab and lenvatinib combination therapy despite monotherapy failure. Zeitschrift Fur Gastroenterologie, 2020, 58, 773-777.	0.5	8

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73	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
74	Rationale for intraoperative radiotherapy in glioblastoma. Journal of Neurosurgical Sciences, 2016, 60, 350-6.	0.6	8
75	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
76	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
77	Oncology Informatics: Status Quo and Outlook. Oncology, 2020, 98, 329-331.	1.9	7
78	Intraoperative radiotherapy with low energy x-rays for primary and recurrent soft-tissue sarcomas. Radiation Oncology, 2020, 15, 110.	2.7	7
79	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
80	Efficacy of PSMA PET-Guided Radiotherapy for Oligometastatic Castrate-Resistant Prostate Cancer. Frontiers in Oncology, 2021, 11, 664225.	2.8	7
81	Dosimetric Comparison of Upfront Boosting With Stereotactic Radiosurgery Versus Intraoperative Radiotherapy for Glioblastoma. Frontiers in Oncology, 2021, 11, 759873.	2.8	7
82	Molecular features of glioblastomas in long-term survivors compared to short-term survivors—a matched-pair analysis. Radiation Oncology, 2022, 17, 15.	2.7	7
83	Targeting Cell Cycle Checkpoint Kinases to Overcome Intrinsic Radioresistance in Brain Tumor Cells. Cancers, 2022, 14, 701.	3.7	7
84	Impact of flattening-filter-free radiation on the clonogenic survival of astrocytic cell lines. Strahlentherapie Und Onkologie, 2015, 191, 590-596.	2.0	6
85	Longitudinal MRI findings in patients with newly diagnosed glioblastoma after intraoperative radiotherapy. Journal of Neuroradiology, 2020, 47, 166-173.	1.1	6
86	Drug repurposing using transcriptome sequencing and virtual drug screening in a patient with glioblastoma. Investigational New Drugs, 2021, 39, 670-685.	2.6	6
87	Long-term changes in blood counts after intraoperative radiotherapy for breast cancer—single center experience and review of the literature. Translational Cancer Research, 2019, 8, 1882-1903.	1.0	6
88	Longitudinal Remote SBRT/SRS Training in Latin America: A Prospective Cohort Study. Frontiers in Oncology, 2022, 12, 851849.	2.8	5
89	Radiation-induced malignancies after intensity-modulated versus conventional mediastinal radiotherapy in a small animal model. Scientific Reports, 2019, 9, 15489.	3.3	4
90	Heterogeneity of glioblastoma with gliomatosis cerebri growth pattern on diffusion and perfusion MRI. Journal of Neuro-Oncology, 2019, 142, 103-109.	2.9	4

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91	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
92	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
93	Single-fraction low-energy electronic brachytherapy for conjunctival lymphoma. Journal of Contemporary Brachytherapy, 2020, 12, 267-272.	0.9	3
94	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
95	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
96	Collimator optimization for small animal radiation therapy at a micro-CT. Zeitschrift Fur Medizinische Physik, 2017, 27, 56-64.	1.5	2
97	Answer to the comment of Hai Lu et al. regarding "Hepatotoxicity 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
98	Irradiation Delays Tissue Growth but Enhances Osteogenic Differentiation in Vascularized Constructs. Journal of Reconstructive Microsurgery, 2019, 35, 046-056.	1.8	2
99	Postoperative elective pelvic nodal irradiation compared to prostate bed irradiation in locally advanced prostate cancer – a retrospective analysis of dose-escalated patients. Radiation Oncology, 2019, 14, 96.	2.7	2
100	A knowledgeâ€based quantitative approach to characterize treatment plan quality: Application to prostate VMAT planning. Medical Physics, 2021, 48, 94-104.	3.0	2
101	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
102	Combined stereotactic biopsy and stepping-source interstitial irradiation of glioblastoma multiforme. Journal of Neurosurgical Sciences, 2018, 62, 214-220.	0.6	2
103	Chasing aÂrarity: aÂretrospective single-center evaluation of prognostic factors in primary gliosarcoma. Strahlentherapie Und Onkologie, 2021, , 1.	2.0	2
104	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
105	RTHP-05. INTRAOPERATIVE RADIOTHERAPY (IORT) USING LOW-ENERGY X-RAYS IN AÂCOHORT OF PREDOMINANTLY INCOMPLETELY RESECTED NEWLY DIAGNOSED GLIOBLASTOMA MULTIFORME (INTRAGO) TJ E	ETQq1 10	.784314 rgBT
106	Recurrent pseudoprogression in isocitrate dehydrogenase 1 mutant glioblastoma. Journal of Clinical Neuroscience, 2018, 53, 255-258.	1.5	1
107	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
108	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

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109	Adjuvant electronic brachytherapy for endometrial carcinoma: A 4-year outcomes report. Brachytherapy, 2020, 19, 635-641.	0.5	1
110	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
111	The HIV-derived protein Vpr52-96 has anti-glioma activity in vitro and in vivo. Oncotarget, 2016, 7, 45500-45512.	1.8	1
112	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
113	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	O
114	Single-Fraction Adjuvant Electronic Brachytherapy after Resection of Conjunctival Carcinoma. Cancers, 2021, 13, 454.	3.7	0
115	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
116	Genes Involved in Acute Leukemias Are Favored Targets of HIV Vector Integration. Blood, 2007, 110, 3738-3738.	1.4	0
117	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
118	Abstract 4458: The HIV-derived protein Vpr52-96has anti-glioma activity in vitro and in vivo. , 2015, , .		0
119	Phase I/II trial on intraoperative radiotherapy (IORT) in glioblastoma multiforme (INTRAGO) Journal of Clinical Oncology, 2016, 34, e13503-e13503.	1.6	0
120	Besondere Aspekte in der Versorgung alter und geriatrischer Patienten mit Gehirntumoren., 2017,, 1-9.		0
121	Besondere Aspekte in der Versorgung alter und geriatrischer Patienten mit Gehirntumoren. , $2018$ , , $563-571$ .		0
122	Feasibility of interstitial stepping-source electronic brachytherapy to locally inoperable tumors. Journal of Contemporary Brachytherapy, 2020, 12, 480-486.	0.9	0
123	Dosimetric Comparison of Intraoperative Radiotherapy and SRS for Liver Metastases. Frontiers in Oncology, 2021, 11, 767468.	2.8	0