

Elena Sperk

List of Publications by Year in descending order

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Version: 2024-02-01

81
papers

2,151
citations

393982

19
h-index

233125

45
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87
all docs

87
docs citations

87
times ranked

2132
citing authors

#	ARTICLE	IF	CITATIONS
1	Risk-adapted targeted intraoperative radiotherapy versus whole-breast radiotherapy for breast cancer: 5-year results for local control and overall survival from the TARGIT-A randomised trial. <i>Lancet, The</i> , 2014, 383, 603-613.	6.3	740
2	Long term survival and local control outcomes from single dose targeted intraoperative radiotherapy during lumpectomy (TARGIT-IORT) for early breast cancer: TARGIT-A randomised clinical trial. <i>BMJ, The</i> , 2020, 370, m2836.	3.0	165
3	Second cancer risk after 3D-CRT, IMRT and VMAT for breast cancer. <i>Radiotherapy and Oncology</i> , 2014, 110, 471-476.	0.3	138
4	Late radiation toxicity after intraoperative radiotherapy (IORT) for breast cancer: results from the randomized phase III trial TARGIT A. <i>Breast Cancer Research and Treatment</i> , 2012, 135, 253-260.	1.1	102
5	Effect of Delayed Targeted Intraoperative Radiotherapy vs Whole-Breast Radiotherapy on Local Recurrence and Survival. <i>JAMA Oncology</i> , 2020, 6, e200249.	3.4	83
6	Radiation-related quality of life parameters after targeted intraoperative radiotherapy versus whole breast radiotherapy in patients with breast cancer: results from the randomized phase III trial TARGIT-A. <i>Radiation Oncology</i> , 2013, 8, 9.	1.2	72
7	Intraoperative radiotherapy (IORT) as boost in breast cancer. <i>Radiation Oncology</i> , 2017, 12, 23.	1.2	62
8	Factors of influence on acute skin toxicity of breast cancer patients treated with standard three-dimensional conformal radiotherapy (3D-CRT) after breast conserving surgery (BCS). <i>Radiation Oncology</i> , 2012, 7, 217.	1.2	60
9	REQUIRE: A prospective multicentre cohort study of patients undergoing radiotherapy for breast, lung or prostate cancer. <i>Radiotherapy and Oncology</i> , 2019, 138, 59-67.	0.3	53
10	ESTRO IORT Task Force/ACROP recommendations for intraoperative radiation therapy with electrons (IOERT) in breast cancer. <i>Radiotherapy and Oncology</i> , 2020, 149, 150-157.	0.3	52
11	DEGRO practical guidelines for radiotherapy of breast cancer IV. <i>Strahlentherapie Und Onkologie</i> , 2014, 190, 705-714.	1.0	46
12	Epigenetic regulation of diacylglycerol kinase alpha promotes radiation-induced fibrosis. <i>Nature Communications</i> , 2016, 7, 10893.	5.8	46
13	Clinical aspects of intraoperative radiotherapy in early breast cancer: short-term complications after IORT in women treated with low energy x-rays. <i>Radiation Oncology</i> , 2013, 8, 95.	1.2	43
14	¹⁸ F-FDG PET/CT for initial staging in breast cancer patients – Is there a relevant impact on treatment planning compared to conventional staging modalities?. <i>European Radiology</i> , 2015, 25, 2460-2469.	2.3	41
15	Intraoperative Radiotherapy in Newly Diagnosed Glioblastoma (INTRAGO): An Open-Label, Dose-Escalation Phase I/II Trial. <i>Neurosurgery</i> , 2019, 84, 41-49.	0.6	39
16	INTRAGO: intraoperative radiotherapy in glioblastoma multiforme – a Phase I/II dose escalation study. <i>BMC Cancer</i> , 2014, 14, 992.	1.1	35
17	New clinical and biological insights from the international TARGIT-A randomised trial of targeted intraoperative radiotherapy during lumpectomy for breast cancer. <i>British Journal of Cancer</i> , 2021, 125, 380-389.	2.9	30
18	Comparison of genetic variation of breast cancer susceptibility genes in Chinese and German populations. <i>European Journal of Human Genetics</i> , 2013, 21, 1286-1292.	1.4	27

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19	Long-term outcome after intraoperative radiotherapy as a boost in breast cancer. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 349-355.	1.0	24
20	Intraoperative radiotherapy for glioblastoma: an international pooled analysis. <i>Radiotherapy and Oncology</i> , 2020, 142, 162-167.	0.3	22
21	Single-center long-term results from the randomized phase-3 TARGIT-A trial comparing intraoperative and whole-breast radiation therapy for early breast cancer. <i>Strahlentherapie Und Onkologie</i> , 2019, 195, 640-647.	1.0	21
22	A cohort analysis to identify eligible patients for intraoperative radiotherapy (IORT) of early breast cancer. <i>Radiation Oncology</i> , 2014, 9, 154.	1.2	20
23	Breast conserving surgery in combination with intraoperative radiotherapy after previous external beam therapy: an option to avoid mastectomy. <i>Breast Cancer Research and Treatment</i> , 2018, 168, 739-744.	1.1	19
24	Accelerated Partial Breast Irradiation in Clinical Practice. <i>Breast Care</i> , 2015, 10, 247-252.	0.8	16
25	Phase I/II trial of combined kyphoplasty and intraoperative radiotherapy in spinal metastases. <i>Spine Journal</i> , 2018, 18, 776-781.	0.6	15
26	A Deep Learning Approach Validates Genetic Risk Factors for Late Toxicity After Prostate Cancer Radiotherapy in a REQUITE Multi-National Cohort. <i>Frontiers in Oncology</i> , 2020, 10, 541281.	1.3	15
27	Multi-centre technical evaluation of the radiation-induced lymphocyte apoptosis assay as a predictive test for radiotherapy toxicity. <i>Clinical and Translational Radiation Oncology</i> , 2019, 18, 1-8.	0.9	14
28	Association of CD4+ Radiation-Induced Lymphocyte Apoptosis with Fibrosis and Telangiectasia after Radiotherapy in 272 Breast Cancer Patients with >10-Year Follow-up. <i>Clinical Cancer Research</i> , 2019, 25, 562-572.	3.2	11
29	Intraoperative radiotherapy for breast cancer: powerful evidence to change practice. <i>Nature Reviews Clinical Oncology</i> , 2021, 18, 187-188.	12.5	11
30	Development of a method for generating SNP interaction-aware polygenic risk scores for radiotherapy toxicity. <i>Radiotherapy and Oncology</i> , 2021, 159, 241-248.	0.3	11
31	Use of angiotensin converting enzyme inhibitors is associated with reduced risk of late bladder toxicity following radiotherapy for prostate cancer. <i>Radiotherapy and Oncology</i> , 2022, 168, 75-82.	0.3	10
32	External Validation of a Predictive Model for Acute Skin Radiation Toxicity in the REQUITE Breast Cohort. <i>Frontiers in Oncology</i> , 2020, 10, 575909.	1.3	10
33	Prospective trial on telemonitoring of geriatric cancer patients using handheld devices. <i>Strahlentherapie Und Onkologie</i> , 2020, 196, 205-212.	1.0	8
34	Wound Fluid from Breast Cancer Patients Undergoing Intraoperative Radiotherapy Exhibits an Altered Cytokine Profile and Impairs Mesenchymal Stromal Cell Function. <i>Cancers</i> , 2021, 13, 2140.	1.7	8
35	Epigenetic Modulation of Radiation-Induced Diacylglycerol Kinase Alpha Expression Prevents Pro-Fibrotic Fibroblast Response. <i>Cancers</i> , 2021, 13, 2455.	1.7	8
36	Combined kyphoplasty and intraoperative radiotherapy (Kypho-IORT) versus external beam radiotherapy (EBRT) for painful vertebral metastases - a randomized phase III study. <i>BMC Cancer</i> , 2019, 19, 430.	1.1	7

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37	Intraoperative radiotherapy with low energy x-rays for primary and recurrent soft-tissue sarcomas. <i>Radiation Oncology</i> , 2020, 15, 110.	1.2	7
38	Innovative radiation oncology Together“ Precise,“Personalized,“Human. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 1043-1048.	1.0	7
39	Long-term changes in blood counts after intraoperative radiotherapy for breast cancer“single center experience and review of the literature. <i>Translational Cancer Research</i> , 2019, 8, 1882-1903.	0.4	6
40	Development and Optimization of a Machine-Learning Prediction Model for Acute Desquamation After Breast Radiation Therapy in the Multicenter REQUITE Cohort. <i>Advances in Radiation Oncology</i> , 2022, 7, 100890.	0.6	6
41	Coprevalence and Incidence of Lung Cancer in Patients Screened for Abdominal Aortic Aneurysm. <i>Anticancer Research</i> , 2020, 40, 4137-4145.	0.5	5
42	Overview of health-related quality of life and toxicity of non-small cell lung cancer patients receiving curative-intent radiotherapy in a real-life setting (the REQUITE study). <i>Lung Cancer</i> , 2022, 166, 228-241.	0.9	5
43	Initial experience of intraoperative radiotherapy as tumour bed boost after neoadjuvant chemotherapy in breast cancer patients. <i>Translational Cancer Research</i> , 2017, 6, 416-423.	0.4	4
44	A data science approach for early-stage prediction of Patient's susceptibility to acute side effects of advanced radiotherapy. <i>Computers in Biology and Medicine</i> , 2021, 135, 104624.	3.9	3
45	Selective inhibitors of bromodomain <scp>BD1</scp> and <scp>BD2</scp> of <scp>BET</scp> proteins modulate radiation“induced profibrotic fibroblast responses. <i>International Journal of Cancer</i> , 2022, , .	2.3	3
46	Long-Term Outcomes of an International Cooperative Study of Intraoperative Radiotherapy Upfront Boost With Low Energy X-Rays in Breast Cancer. <i>Frontiers in Oncology</i> , 2022, 12, 850351.	1.3	3
47	First per Protocol Analysis of the Prospective Phase II Study of Intraoperative Radiotherapy (IORT) in Elderly Patients with Small Breast Cancer: Targit E(lderly). <i>International Journal of Radiation Oncology Biology Physics</i> , 2019, 105, S8.	0.4	2
48	Cardiac serum marker alterations after intraoperative radiotherapy with low-energy x-rays in early breast cancer as an indicator of possible cardiac toxicity. <i>Strahlentherapie Und Onkologie</i> , 2021, 197, 39-47.	1.0	2
49	Partial breast irradiation with intraoperative radiotherapy in the ELIOT trial. <i>Lancet Oncology</i> , The, 2021, 22, e295-e296.	5.1	2
50	In Regard to Polgar et al. <i>International Journal of Radiation Oncology Biology Physics</i> , 2021, 110, 905-907.	0.4	2
51	RTHP-05. INTRAOPERATIVE RADIOTHERAPY (IORT) USING LOW-ENERGY X-RAYS IN A“COHORT OF PREDOMINANTLY INCOMPLETELY RESECTED NEWLY DIAGNOSED GLIOBLASTOMA MULTIFORME (INTRAGO) Tj ET Op 1 0.784314 rg	0.4	1
52	OC-0497 Predictive modelling of risk of breast fibrosis at > 10 years after radiotherapy using the RILA assay. <i>Radiotherapy and Oncology</i> , 2019, 133, S255-S256.	0.3	1
53	Adjuvant electronic brachytherapy for endometrial carcinoma: A 4-year outcomes report. <i>Brachytherapy</i> , 2020, 19, 635-641.	0.2	1
54	Other Applications of INTRABEAM“®. , 2014, , 93-104.		1

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55	Single center long term results from the randomized phase-3 TARGIT-A trial comparing intraoperative (IORT) and whole-breast radiation therapy (WBRT) for early breast cancer.. Journal of Clinical Oncology, 2018, 36, e12616-e12616.	0.8	1
56	External Validation of a Predictive Model for Acute Skin Radiation Toxicity in the REQUITE Breast Cohort. Frontiers in Oncology, 2020, 10, 575909.	1.3	1
57	Genome wide association study of acute radiation toxicity and quality of life in breast cancer patients – results from the REQUITE cohort study. European Journal of Cancer, 2020, 138, S12.	1.3	1
58	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.	0.8	1
59	International Multi-institutional Study of Intraoperative Radiation Therapy for Recurrent Gastrointestinal Tumors. International Journal of Radiation Oncology Biology Physics, 2018, 102, S66.	0.4	0
60	Prediction of Radiation-induced Breast Fibrosis by the Radiation-induced Lymphocyte Apoptosis Assay: Relation to the Surgical Area. International Journal of Radiation Oncology Biology Physics, 2018, 102, e175-e176.	0.4	0
61	EP-1534: International multi-institutional study of intraoperative radiotherapy for abdominopelvic tumors. Radiotherapy and Oncology, 2018, 127, S829-S830.	0.3	0
62	EP-1305 Long-term results up to 15 years after IORT boost in breast cancer patients. Radiotherapy and Oncology, 2019, 133, S714-S715.	0.3	0
63	Intraoperative Radiotherapy for Glioblastoma: An International Pooled Analysis. International Journal of Radiation Oncology Biology Physics, 2019, 105, E107-E108.	0.4	0
64	Intraoperative Radiotherapy with Low Energy x-Rays for Primary and Recurrent Soft-Tissue Sarcoma. International Journal of Radiation Oncology Biology Physics, 2019, 105, E810.	0.4	0
65	TARGIT C(onsolidation) - First per Protocol Analysis of The Prospective Phase IV Study of Intraoperative Radiotherapy (IORT) in Patients with Small Breast Cancer. International Journal of Radiation Oncology Biology Physics, 2020, 108, e40.	0.4	0
66	Relevance of B and NK Cells in the Correlation between Radiation-induced Lymphocyte Apoptosis (RILA) and Normal-tissue Late Toxicity after Radiotherapy. International Journal of Radiation Oncology Biology Physics, 2020, 108, e502.	0.4	0
67	TARGIT-A trial: Updated results for local recurrence and survival for the German centers.. Journal of Clinical Oncology, 2013, 31, 1121-1121.	0.8	0
68	Patient Selection and Information. , 2014, , 147-152.		0
69	Quality of Life and Late Radiation Toxicity. , 2014, , 71-78.		0
70	Follow-Up Findings in the Tumour Bed After IORT – What the Radiologist Needs to Know. , 2014, , 67-70.		0
71	Intraoperative radiotherapy combined with kyphoplasty (Kypho-IORT) for spinal metastases: Phase II dose escalation study and update of clinical results from a pilot phase.. Journal of Clinical Oncology, 2015, 33, e20563-e20563.	0.8	0
72	Abstract 3445: Diacylglycerol kinase alpha as a novel epigenetically regulated risk marker for radiotherapy-induced fibrosis. , 2015, , .		0

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73	Evaluation of the Radiance planning system for breast fibrosis after intraoperative radiotherapy as a boost in breast conserving surgery.. Journal of Clinical Oncology, 2016, 34, e12534-e12534.	0.8	0
74	Phase I/II trial on intraoperative radiotherapy (IORT) in glioblastoma multiforme (INTRAGO).. Journal of Clinical Oncology, 2016, 34, e13503-e13503.	0.8	0
75	Longterm blood cell counts after intraoperative radiotherapy with or without whole breast radiotherapy in breast cancer patients.. Journal of Clinical Oncology, 2017, 35, e12014-e12014.	0.8	0
76	Hypofractionated, normofractionated and intraoperative breast irradiation: Long term cosmetic outcome based on photographic evaluation.. Journal of Clinical Oncology, 2017, 35, 568-568.	0.8	0
77	Brusterhaltende Therapie in Kombination mit intraoperativer Radiotherapie in der vorbestrahlten Situation: Eine Alternative zur Mastektomie. Senologie - Zeitschrift für Mammadiagnostik Und -therapie, 2018, 15, .	0.0	0
78	Brusterhaltende Therapie in Kombination mit intraoperativer Radiotherapie in der vorbestrahlten Situation: Die Alternative zur Mastektomie. , 2018, 78, .		0
79	Mammakarzinom. , 2019, , 1-31.		0
80	Intraoperative Bestrahlung (IORT) mit niederenergetischen Röntgenstrahlen bei brusterhaltender Therapie des Mammakarzinoms - Prospektive Identifizierung von prä- und intraoperativen Faktoren, die die Durchführbarkeit und das postinterventionelle Ergebnis beeinflussen. Senologie - Zeitschrift für Mammadiagnostik Und -therapie, 2020, 17, .	0.0	0
81	CTNI-43. CXCL12 INHIBITION IN MGMT UNMETHYLATED GLIOBLASTOMA “ RESULTS OF AN EARLY PROOF-OF-CONCEPT ASSESSMENT IN THE MULTICENTRIC PHASE I/II GLORIA TRIAL (NCT04121455). Neuro-Oncology, 2021, 23, vi69-vi69.	0.6	0