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|  | **TABLE S1** The 100 most cited papers in SBRT until 2021. |
| Rank | Title | corresponding author | Journal | Year | Total citation | Average citation per year (rank) |
| 1 | Stereotactic Body Radiation Therapy for Inoperable Early Stage Lung Cancer | TIMMERMAN, R  | JAMA | 2010 | 1688 | 146.78 |
| 2 | Excessive toxicity when treating central tumors in a phase II study of stereotactic body radiation therapy for medically inoperable early-stage lung cancer | TIMMERMAN, R  | J. Clin. Oncol. | 2006 | 1009 | 67.642 |
| 3 | Stereotactic body radiation therapy: The report of AAPM Task Group 101 | BENEDICT, SH  | Med. Phys. | 2010 | 949 | 85.624 |
| 4 | Stereotactic ablative radiotherapy versus lobectomy for operable stage I non-small-cell lung cancer: a pooled analysis of two randomised trials | CHANG, JY  | Lancet Oncol. | 2015 | 818 | 130.88 |
| 5 | Outcome in a Prospective Phase II Trial of Medically Inoperable Stage I Non-Small-Cell Lung Cancer Patients Treated With Stereotactic Body Radiotherapy | BAUMANN, P  | J. Clin. Oncol. | 2009 | 620 | 50.959 |
| 6 | Stereotactic ablative radiotherapy versus standard of care palliative treatment in patients with oligometastatic cancers (SABR-COMET): a randomised, phase 2, open-label trial | PALMA, DA  | Lancet | 2019 | 588 | 252 |
| 7 | STEREOTACTIC BODY RADIATION THERAPY FOR EARLY-STAGE NON-SMALL-CELL LUNG CARCINOMA: FOUR-YEAR RESULTS OF A PROSPECTIVE PHASE II STUDY | FAKIRIS, AJ  | Int. J. Radiat. Oncol. Biol. Phys. | 2009 | 577 | 48.761 |
| 8 | Multi-Institutional Phase I/II Trial of Stereotactic Body Radiation Therapy for Liver Metastases | SCHEFTER, TE  | J. Clin. Oncol. | 2009 | 572 | 46.067 |
| 9 | Clinical outcomes of a phase I/II study of 48 Gy of stereotactic body radiotherapy in 4 fractions for primary lung cancer using a stereotactic body frame | NAGATA, Y  | Int. J. Radiat. Oncol. Biol. Phys. | 2005 | 481 | 30.54 |
| 10 | Sequential Phase I and II Trials of Stereotactic Body Radiotherapy for Locally Advanced Hepatocellular Carcinoma | BUJOLD, A  | J. Clin. Oncol. | 2013 | 441 | 52.92 |
| 11 | Multi-Institutional Phase I/II Trial of Stereotactic Body Radiation Therapy for Lung Metastases | SCHEFTER, TE  | J. Clin. Oncol. | 2009 | 424 | 34.148 |
| 12 | STEREOTACTIC BODY RADIOTHERAPY (SBRT) FOR OPERABLE STAGE I NON SMALL-CELL LUNG CANCER: CAN SBRT BE COMPARABLE TO SURGERY? | ONISHI, H  | Int. J. Radiat. Oncol. Biol. Phys. | 2011 | 399 | 40.923 |
| 13 | Stereotactic body radiation therapy of early-stage non-small-cell lung carcinoma: Phase I study | MCGARRY, RC  | Int. J. Radiat. Oncol. Biol. Phys. | 2005 | 375 | 23.684 |
| 14 | Phase I study of individualized stereotactic body radiotherapy for hepatocellular carcinoma and intrahepatic cholangiocarcinoma | DAWSON, LA  | J. Clin. Oncol. | 2008 | 374 | 27.534 |
| 15 | Stereotactic body radiation therapy for primary and metastatic liver tumors: A single institution phase i-ii study | ROMERO, AM  | Acta Oncol. | 2006 | 337 | 22.467 |
| 16 | Phase I/II study of stereotactic body radiotherapy for spinal metastasis and its pattern of failure | CHANG, EL  | J. Neurosurg.-Spine | 2007 | 327 | 23.219 |
| 17 | Stereotactic body radiotherapy for oligometastases | TREE, AC  | Lancet Oncol. | 2013 | 322 | 37.154 |
| 18 | Phase I Study of Individualized Stereotactic Body Radiotherapy of Liver Metastases | DAWSON, LA  | J. Clin. Oncol. | 2009 | 317 | 25.53 |
| 19 | Oligometastases Treated With Stereotactic Body Radiotherapy: Long-Term Follow-Up of Prospective Study | MILANO, MT  | Int. J. Radiat. Oncol. Biol. Phys. | 2012 | 308 | 33.6 |
| 20 | The Tumor Radiobiology of SRS and SBRT: Are More Than the 5 Rs Involved? | BROWN, JM  | Int. J. Radiat. Oncol. Biol. Phys. | 2014 | 307 | 40.484 |
| 21 | Patterns of disease recurrence after stereotactic ablative radiotherapy for early stage non-small-cell lung cancer: a retrospective analysis | LAGERWAARD, FJ  | Lancet Oncol. | 2012 | 307 | 33.798 |
| 22 | Stereotactic body radiation therapy in multiple organ sites | TIMMERMAN, RD  | J. Clin. Oncol. | 2007 | 306 | 21.103 |
| 23 | Stereotactic body radiotherapy for localized prostate cancer: Pooled analysis from a multi-institutional consortium of prospective phase II trials | KING, CR  | Radiother. Oncol. | 2013 | 297 | 37.915 |
| 24 | Phase II study on stereotactic body radiotherapy of colorectal metastases | HOYER, M  | Acta Oncol. | 2006 | 297 | 19.8 |
| 25 | Radiation-Induced Vascular Damage in Tumors: Implications of Vascular Damage in Ablative Hypofractionated Radiotherapy (SBRT and SRS) | SONG, CW  | Radiat. Res. | 2012 | 293 | 30.842 |
| 26 | A Phase I trial of stereotactic body radiation therapy (SBRT) for liver metastases | SCHEFTER, TE  | Int. J. Radiat. Oncol. Biol. Phys. | 2005 | 288 | 17.907 |
| 27 | LONG-TERM OUTCOMES FROM A PROSPECTIVE TRIAL OF STEREOTACTIC BODY RADIOTHERAPY FOR LOW-RISK PROSTATE CANCER | KING, CR  | Int. J. Radiat. Oncol. Biol. Phys. | 2012 | 275 | 28.696 |
| 28 | STEREOTACTIC BODY RADIOTHERAPY FOR PRIMARY HEPATOCELLULAR CARCINOMA | ANDOLINO, DL  | Int. J. Radiat. Oncol. Biol. Phys. | 2011 | 267 | 27.153 |
| 29 | AMERICAN SOCIETY FOR THERAPEUTIC RADIOLOGY AND ONCOLOGY (ASTRO) AND AMERICAN COLLEGE OF RADIOLOGY (ACR) PRACTICE GUIDELINE FOR THE PERFORMANCE OF STEREOTACTIC BODY RADIATION THERAPY | POTTERS, L  | Int. J. Radiat. Oncol. Biol. Phys. | 2010 | 266 | 22.964 |
| 30 | Outcomes After Stereotactic Body Radiotherapy or Radiofrequency Ablation for Hepatocellular Carcinoma | FENG, M  | J. Clin. Oncol. | 2016 | 253 | 45.313 |
| 31 | Systemic review of the patterns of failure following stereotactic body radiation therapy in early-stage non-small-cell lung cancer: Clinical implications | CHI, A  | Radiother. Oncol. | 2010 | 250 | 21.429 |
| 32 | Outcomes of Stereotactic Ablative Radiotherapy in Patients With Potentially Operable Stage I Non-Small Cell Lung Cancer | LAGERWAARD, FJ  | Int. J. Radiat. Oncol. Biol. Phys. | 2012 | 248 | 26.571 |
| 33 | Phase 2 Multi-institutional Trial Evaluating Gemcitabine and Stereotactic Body Radiotherapy for Patients With Locally Advanced Unresectable Pancreatic Adenocarcinoma | HERMAN, JM  | Cancer | 2015 | 238 | 37.091 |
| 34 | Effect of Pembrolizumab After Stereotactic Body Radiotherapy vs Pembrolizumab Alone on Tumor Response in Patients With Advanced Non-Small Cell Lung Cancer: Results of the PEMBRO-RT Phase 2 Randomized Clinical Trial | THEELEN, WSME  | JAMA Oncol. | 2019 | 228 | 114 |
| 35 | Safety and Clinical Activity of Pembrolizumab and Multisite Stereotactic Body Radiotherapy in Patients With Advanced Solid Tumors | CHMURA, SJ  | J. Clin. Oncol. | 2018 | 228 | 70.154 |
| 36 | STEREOTACTIC BODY RADIOTHERAPY FOR LOCALIZED PROSTATE CANCER: INTERIM RESULTS OF A PROSPECTIVE PHASE II CLINICAL TRIAL | KING, CR  | Int. J. Radiat. Oncol. Biol. Phys. | 2009 | 227 | 17.921 |
| 37 | Promising clinical outcome of stereotactic body radiation therapy for patients with inoperable Stage I/II non-small-cell lung cancer | SALAMA, JK  | Int. J. Radiat. Oncol. Biol. Phys. | 2006 | 224 | 14.933 |
| 38 | Stereotactic body radiotherapy for multisite extracranial oligometastases Final report of a dose escalation trial in patients with 1 to 5 sites of metastatic disease | XIA, TY  | Cancer | 2012 | 223 | 23.069 |
| 39 | Prospective Trial of Stereotactic Body Radiation Therapy for Both Operable and Inoperable T1N0M0 Non-Small Cell Lung Cancer: Japan Clinical Oncology Group Study JCOG0403 | NAGATA, Y  | Int. J. Radiat. Oncol. Biol. Phys. | 2015 | 221 | 38.435 |
| 40 | Stereotactic body radiation therapy: a novel treatment modality | LO, SS  | Nat. Rev. Clin. Oncol. | 2010 | 215 | 18.429 |
| 41 | Gemcitabine chemotherapy and single-fraction stereotactic body radiotherapy for locally advanced pancreatic cancer | KOONG, AC  | Int. J. Radiat. Oncol. Biol. Phys. | 2008 | 215 | 16.753 |
| 42 | Stereotactic Body Radiation Therapy for Locally Advanced and Borderline Resectable Pancreatic Cancer Is Effective and Well Tolerated | SHRIDHAR, R  | Int. J. Radiat. Oncol. Biol. Phys. | 2013 | 213 | 26.082 |
| 43 | Clinical outcomes of 3D conformal hypofractionated single high-dose radiotherapy for one or two lung tumors using a stereotactic body frame | NAGATA, Y  | Int. J. Radiat. Oncol. Biol. Phys. | 2002 | 213 | 10.923 |
| 44 | Phase 1 Study of Stereotactic Body Radiotherapy and Interleukin-2: Tumor and Immunological Responses | CURTI, BD  | Sci. Transl. Med. | 2012 | 211 | 22.811 |
| 45 | Stereotactic body radiation therapy for early-stage non-small cell lung cancer: Executive Summary of an ASTRO Evidence-Based Guideline | VIDETIC, GMM  | Pract. Radiat. Oncol. | 2017 | 206 | 51.5 |
| 46 | Stereotactic body radiation therapy for early stage non-small cell lung cancer: Results of a prospective trial | RICARDI, U  | Lung Cancer | 2010 | 203 | 17.781 |
| 47 | Phase I feasibility trial of stereotactic body radiation therapy for primary hepatocellular carcinoma | CARDENES, HR  | Clin. Transl. Oncol. | 2010 | 203 | 17.652 |
| 48 | DOSE-ESCALATION STUDY OF SINGLE-FRACTION STEREOTACTIC BODY RADIOTHERAPY FOR LIVER MALIGNANCIES | GOODMAN, KA  | Int. J. Radiat. Oncol. Biol. Phys. | 2010 | 202 | 18.504 |
| 49 | Stage I-II non-small-cell lung cancer treated using either stereotactic ablative radiotherapy (SABR) or lobectomy by video-assisted thoracoscopic surgery (VATS): outcomes of a propensity score-matched analysis | VERSTEGEN, NE  | Ann. Oncol. | 2013 | 194 | 23.515 |
| 50 | Stereotactic body radiation therapy for inoperable hepatocellular carcinoma as a local salvage treatment after incomplete transarterial chemoembolization | KIM, MS  | Cancer | 2012 | 190 | 21.509 |
| 51 | STEREOTACTIC BODY RADIATION THERAPY IN CENTRALLY AND SUPERIORLY LOCATED STAGE I OR ISOLATED RECURRENT NON-SMALL-CELL LUNG CANCER | CHANG, JY  | Int. J. Radiat. Oncol. Biol. Phys. | 2008 | 190 | 14.805 |
| 52 | FRAMELESS STEREOTACTIC BODY RADIOTHERAPY FOR LUNG CANCER USING FOUR-DIMENSIONAL CONE BEAM CT GUIDANCE | SONKE, JJ  | Int. J. Radiat. Oncol. Biol. Phys. | 2009 | 187 | 15.265 |
| 53 | A prospective pilot study of curative-intent stereotactic body radiation therapy in patients with 5 or fewer oligometastatic lesions | WULF, J  | Cancer | 2008 | 186 | 13.693 |
| 54 | Stereotactic radiotherapy of extracranial targets: CT-simulation and accuracy of treatment in the stereotactic body frame | MILANO, MT  | Radiother. Oncol. | 2000 | 186 | 8.928 |
| 55 | Phase II Trial of Stereotactic Body Radiation Therapy Combined With Erlotinib for Patients With Limited but Progressive Metastatic Non-Small-Cell Lung Cancer | TIMMERMAN, R  | J. Clin. Oncol. | 2014 | 184 | 27.259 |
| 56 | Vertebral Compression Fracture After Spine Stereotactic Body Radiotherapy: A Multi-Institutional Analysis With a Focus on Radiation Dose and the Spinal Instability Neoplastic Score | SAHGAL, A  | J. Clin. Oncol. | 2013 | 184 | 23 |
| 57 | Stereotactic body radiation therapy for management of spinal metastases in patients without spinal cord compression: a phase 1-2 trial | WANG, XS  | Lancet Oncol. | 2012 | 184 | 19.54 |
| 58 | Stereotactic Body Radiotherapy for Colorectal Liver Metastases A Pooled Analysis | CHANG, DT  | Cancer | 2011 | 180 | 18 |
| 59 | Outcomes of Observation vs Stereotactic Ablative Radiation for Oligometastatic Prostate Cancer The ORIOLE Phase 2 Randomized Clinical Trial | TRAN, PT  | JAMA Oncol. | 2020 | 178 | 133.5 |
| 60 | A Survey of Stereotactic Body Radiotherapy Use in the United States | LAWSON, JD  | Cancer | 2011 | 178 | 17.95 |
| 61 | Progression-free Survival Following Stereotactic Body Radiotherapy for Oligometastatic Prostate Cancer Treatment-naive Recurrence: A Multi-institutional Analysis | OST, P  | Eur. Urol. | 2016 | 177 | 31.235 |
| 62 | Outcomes of stereotactic ablative radiotherapy for central lung tumours: A systematic review | SENTHI, S  | Radiother. Oncol. | 2013 | 177 | 20.824 |
| 63 | Stereotactic body radiation therapy versus surgical resection for stage I non-small cell lung cancer | CRABTREE, TD  | J. Thorac. Cardiovasc. Surg. | 2010 | 176 | 15.88 |
| 64 | Factors important for efficacy of stereotactic body radiotherapy of medically inoperable stage I lung cancer. A retrospective analysis of patients treated in the Nordic countries | LEWENSOHN, R  | Acta Oncol. | 2006 | 175 | 11.667 |
| 65 | Hypofractionated stereotactic body radiation therapy (SBRT) for limited hepatic metastases | KATZ, AW  | Int. J. Radiat. Oncol. Biol. Phys. | 2007 | 174 | 12 |
| 66 | Stereotactic body radiotherapy for low-risk prostate cancer: five-year outcomes | KING, CHRISTOPHER R | Radiat. Oncol. | 2011 | 172 | 16.125 |
| 67 | Long-term effect of stereotactic body radiation therapy for primary hepatocellular carcinoma ineligible for local ablation therapy or surgical resection. Stereotactic radiotherapy for liver cancer | BAE, SH  | BMC Cancer | 2010 | 172 | 15.636 |
| 68 | Outcomes of Stereotactic Ablative Radiotherapy for Centrally Located Early-Stage Lung Cancer | HAASBEEK, CJA  | J. Thorac. Oncol. | 2011 | 171 | 17.538 |
| 69 | Repeated stereotactic body radiotherapy for oligometastatic prostate cancer recurrence | OST, P  | Radiat. Oncol. | 2014 | 168 | 23.172 |
| 70 | CHEST WALL VOLUME RECEIVING > 30 GY PREDICTS RISK OF SEVERE PAIN AND/OR RIB FRACTURE AFTER LUNG STEREOTACTIC BODY RADIOTHERAPY | LARNER, JM  | Int. J. Radiat. Oncol. Biol. Phys. | 2010 | 168 | 14.609 |
| 71 | A Randomized Phase 2 Study Comparing 2 Stereotactic Body Radiation Therapy Schedules for Medically Inoperable Patients With Stage I Peripheral Non-Small Cell Lung Cancer: NRG Oncology RTOG 0915 (NCCTG N0927) | VIDETIC, GMM  | Int. J. Radiat. Oncol. Biol. Phys. | 2015 | 167 | 28.629 |
| 72 | Ipilimumab with Stereotactic Ablative Radiation Therapy: Phase I Results and Immunologic Correlates from Peripheral T Cells | TANG, C; WELSH, JW  | Clin. Cancer Res. | 2017 | 165 | 36.667 |
| 73 | Immunotherapy and stereotactic ablative radiotherapy (ISABR): a curative approach? | CHANG, JY  | Nat. Rev. Clin. Oncol. | 2016 | 165 | 32.459 |
| 74 | Phase I Dose-Escalation Study of Stereotactic Body Radiation Therapy for Low- and Intermediate-Risk Prostate Cancer | TIMMERMAN, R  | J. Clin. Oncol. | 2011 | 165 | 15.968 |
| 75 | Stereotactic body radiation therapy (SBRT) for lung metastases | OKUNIEFF, P  | Acta Oncol. | 2006 | 163 | 10.867 |
| 76 | Stereotactic body radiation therapy - A comprehensive review | CHANG, BK  | Am. J. Clin. Oncol.-Cancer Clin. Trials | 2007 | 162 | 11.782 |
| 77 | Stereotactic Body Radiation Therapy (SBRT) for clinically localized prostate cancer: the Georgetown University experience | COLLINS, SP  | Radiat. Oncol. | 2013 | 158 | 18.588 |
| 78 | SPACE - A randomized study of SBRT vs conventional fractionated radiotherapy in medically inoperable stage I NSCLC | NYMAN, J  | Radiother. Oncol. | 2016 | 157 | 31.932 |
| 79 | Lobectomy, Sublobar Resection, and Stereotactic Ablative Radiotherapy for Early-Stage Non-Small Cell Lung Cancers in the Elderly | SMITH, BD  | JAMA Surg. | 2014 | 155 | 22.963 |
| 80 | American Society for Therapeutic Radiology and Oncology and American College of Radiology Practice Guideline for the Performance of Stereotactic Body Radiation Therapy | PALMA, DA  | Int. J. Radiat. Oncol. Biol. Phys. | 2004 | 154 | 9.1485 |
| 81 | Radiographic changes after lung stereotactic ablative radiotherapy (SABR) - Can we distinguish recurrence from fibrosis? A systematic review of the literature | BALL, D  | Radiother. Oncol. | 2012 | 152 | 16 |
| 82 | Stereotactic body radiotherapy for localized prostate cancer: disease control and quality of life at 6 years | KATZ, AJ  | Radiat. Oncol. | 2013 | 151 | 18.12 |
| 83 | STEREOTACTIC BODY RADIOTHERAPY AND GEMCITABINE FOR LOCALLY ADVANCED PANCREATIC CANCER | MAHADEVAN, A  | Int. J. Radiat. Oncol. Biol. Phys. | 2010 | 151 | 13.938 |
| 84 | STEREOTACTIC BODY RADIOTHERAPY IS EFFECTIVE SALVAGE THERAPY FOR PATIENTS WITH PRIOR RADIATION OF SPINAL METASTASES | SAHGAL, A  | Int. J. Radiat. Oncol. Biol. Phys. | 2009 | 151 | 12.411 |
| 85 | Stereotactic body radiotherapy for oligometastatic lung tumors | NAGATA, Y  | Int. J. Radiat. Oncol. Biol. Phys. | 2008 | 151 | 11.69 |
| 86 | Stereotactic ablative radiotherapy versus standard radiotherapy in stage 1 non-small-cell lung cancer (TROG 09.02 CHISEL): a phase 3, open-label, randomised controlled trial | KONG, FMS  | Lancet Oncol. | 2019 | 150 | 62.069 |
| 87 | Survival Outcome After Stereotactic Body Radiation Therapy and Surgery for Stage I Non-Small Cell Lung Cancer: A Meta-Analysis | CHANG, JY  | Int. J. Radiat. Oncol. Biol. Phys. | 2014 | 149 | 21.805 |
| 88 | Stereotactic Ablative Radiation Therapy for Centrally Located Early Stage or Isolated Parenchymal Recurrences of Non-Small Cell Lung Cancer: How to Fly in a No Fly Zone | FAKIRIS, AJ  | Int. J. Radiat. Oncol. Biol. Phys. | 2014 | 149 | 20.09 |
| 89 | SINGLE-FRACTION STEREOTACTIC BODY RADIATION THERAPY AND SEQUENTIAL GEMCITABINE FOR THE TREATMENT OF LOCALLY ADVANCED PANCREATIC CANCER | KOONG, AC  | Int. J. Radiat. Oncol. Biol. Phys. | 2011 | 147 | 14.7 |
| 90 | DOSE-RESPONSE RELATIONSHIP FOR IMAGE-GUIDED STEREOTACTIC BODY RADIOTHERAPY OF PULMONARY TUMORS: RELEVANCE OF 4D DOSE CALCULATION | GUCKENBERGER, M  | Int. J. Radiat. Oncol. Biol. Phys. | 2009 | 147 | 11.919 |
| 91 | Stereotactic body radiotherapy for small hepatocellular carcinoma: A retrospective outcome analysis in 185 patients | KUNIEDA, E  | Acta Oncol. | 2014 | 146 | 19.467 |
| 92 | A DOSE-VOLUME ANALYSIS OF RADIATION PNEUMONITIS IN NON-SMALL CELL LUNG CANCER PATIENTS TREATED WITH STEREOTACTIC BODY RADIATION THERAPY | SAHGAL, A  | Int. J. Radiat. Oncol. Biol. Phys. | 2012 | 146 | 15.103 |
| 93 | SPINAL CORD TOLERANCE FOR STEREOTACTIC BODY RADIOTHERAPY | KOTO, M  | Int. J. Radiat. Oncol. Biol. Phys. | 2010 | 145 | 12.889 |
| 94 | A phase II study on stereotactic body radiotherapy for stage I non-small cell lung cancer | BERKOVIC, P  | Radiother. Oncol. | 2007 | 145 | 10.545 |
| 95 | Salvage Stereotactic Body Radiotherapy for Patients With Limited Prostate Cancer Metastases: Deferring Androgen Deprivation Therapy | SAHGAL, A  | Clin. Genitourin. Cancer | 2013 | 144 | 16.941 |
| 96 | Vertebral Compression Fracture (VCF) After Spine Stereotactic Body Radiation Therapy (SBRT): Analysis of Predictive Factors | MCCAMMON, R  | Int. J. Radiat. Oncol. Biol. Phys. | 2012 | 144 | 16.302 |
| 97 | OBSERVATION OF A DOSE-CONTROL RELATIONSHIP FOR LUNG AND LIVER TUMORS AFTER STEREOTACTIC BODY RADIATION THERAPY | SAHGAL, A  | Int. J. Radiat. Oncol. Biol. Phys. | 2009 | 142 | 11.211 |
| 98 | REIRRADIATION HUMAN SPINAL CORD TOLERANCE FOR STEREOTACTIC BODY RADIOTHERAPY | SAHGAL, A  | Int. J. Radiat. Oncol. Biol. Phys. | 2012 | 141 | 14.586 |
| 99 | Probabilities of Radiation Myelopathy Specific to Stereotactic Body Radiation Therapy to Guide Safe Practice | KAVANAGH, BD  | Int. J. Radiat. Oncol. Biol. Phys. | 2013 | 139 | 16.194 |
| 100 | Interim analysis of a prospective phase I/II trial of SBRT for liver metastases | POTTERS, L  | Acta Oncol. | 2006 | 138 | 9.2 |