

Peter C Gerszten

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,626
citations

201674

27
h-index

149698

56
g-index

60
all docs

60
docs citations

60
times ranked

2182
citing authors

#	ARTICLE	IF	CITATIONS
1	Radiosurgery for Spinal Metastases. <i>Spine</i> , 2007, 32, 193-199.	2.0	656
2	Radiotherapy and Radiosurgery for Metastatic Spine Disease. <i>Spine</i> , 2009, 34, S78-S92.	2.0	275
3	Stereotactic radiosurgery for spinal metastases from renal cell carcinoma. <i>Journal of Neurosurgery: Spine</i> , 2005, 3, 288-295.	1.7	248
4	RTOG 0631 phase 2/3 study of image guided stereotactic radiosurgery for localized (1-3) spine metastases: Phase 2 results. <i>Practical Radiation Oncology</i> , 2014, 4, 76-81.	2.1	205
5	Combination kyphoplasty and spinal radiosurgery: a new treatment paradigm for pathological fractures. <i>Journal of Neurosurgery: Spine</i> , 2005, 3, 296-301.	1.7	181
6	Response assessment after stereotactic body radiotherapy for spinal metastasis: a report from the SPIne response assessment in Neuro-Oncology (SPINO) group. <i>Lancet Oncology</i> , The, 2015, 16, e595-e603.	10.7	170
7	CyberKnife frameless stereotactic radiosurgery for spinal lesions: clinical experience in 125 cases. <i>Neurosurgery</i> , 2004, 55, 89-98; discussion 98-9.	1.1	164
8	Safety and efficacy of stereotactic body radiotherapy as primary treatment for vertebral metastases: a multi-institutional analysis. <i>Radiation Oncology</i> , 2014, 9, 226.	2.7	144
9	Single-fraction radiosurgery for the treatment of spinal breast metastases. <i>Cancer</i> , 2005, 104, 2244-2254.	4.1	139
10	RADIOSURGERY FOR BENIGN INTRADURAL SPINAL TUMORS. <i>Neurosurgery</i> , 2008, 62, 887-896.	1.1	133
11	Radiosurgery for the Treatment of Spinal Melanoma Metastases. <i>Stereotactic and Functional Neurosurgery</i> , 2005, 83, 213-221.	1.5	126
12	Cyberknife radiosurgery for metastatic spine tumors. <i>Neurosurgery Clinics of North America</i> , 2004, 15, 491-501.	1.7	97
13	Consensus guidelines for postoperative stereotactic body radiation therapy for spinal metastases: results of an international survey. <i>Journal of Neurosurgery: Spine</i> , 2017, 26, 299-306.	1.7	88
14	Complete percutaneous treatment of vertebral body tumors causing spinal canal compromise using a transpedicular cavitation, cement augmentation, and radiosurgical technique. <i>Neurosurgical Focus</i> , 2009, 27, E9.	2.3	74
15	Outcomes Research: A Review. <i>Neurosurgery</i> , 1998, 43, 1146-1155.	1.1	67
16	Radiosurgery for the treatment of spinal lung metastases. <i>Cancer</i> , 2006, 107, 2653-2661.	4.1	64
17	Evaluation of CyberKnife Frameless Real-Time Image-Guided Stereotactic Radiosurgery for Spinal Lesions. <i>Stereotactic and Functional Neurosurgery</i> , 2003, 81, 84-89.	1.5	63
18	Plasma disc decompression compared with fluoroscopy-guided transforaminal epidural steroid injections for symptomatic contained lumbar disc herniation: a prospective, randomized, controlled trial. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 357-371.	1.7	63

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19	Radiosurgery for benign tumors of the spine using the Synergy S with cone-beam computed tomography image guidance. <i>Journal of Neurosurgery</i> , 2012, 117, 197-202.	1.6	58
20	Diseases of the Spine in South American Mummies. <i>Neurosurgery</i> , 2001, 48, 208-213.	1.1	49
21	Combination kyphoplasty and spinal radiosurgery: a new treatment paradigm for pathological fractures. <i>Neurosurgical Focus</i> , 2005, 18, 1-6.	2.3	49
22	Management of vertebral fragility fractures: a clinical care pathway developed by a multispecialty panel using the RAND/UCLA Appropriateness Method. <i>Spine Journal</i> , 2018, 18, 2152-2161.	1.3	36
23	Radiosurgery for Benign Tumors of the Spine: Clinical Experience and Current Trends. <i>Technology in Cancer Research and Treatment</i> , 2012, 11, 133-139.	1.9	34
24	Retrospective analysis of L5-S1 axial lumbar interbody fusion (AxialIF): a comparison with and without the use of recombinant human bone morphogenetic protein-2. <i>Spine Journal</i> , 2011, 11, 1027-1032.	1.3	33
25	Single fraction radiosurgery, fractionated radiosurgery, and conventional radiotherapy for spinal oligometastasis (SAFFRON): A systematic review and meta-analysis. <i>Radiotherapy and Oncology</i> , 2020, 146, 76-89.	0.6	33
26	Spine Metastases. <i>Neurosurgery</i> , 2014, 61, 16-25.	1.1	30
27	Combined percutaneous transpedicular tumor debulking and kyphoplasty for pathological compression fractures. <i>Journal of Neurosurgery: Spine</i> , 2007, 6, 92-95.	1.7	27
28	CyberKnife Radiosurgery for Spinal Neoplasms. , 2007, 20, 340-358.		22
29	Setup accuracy of spine radiosurgery using cone beam computed tomography image guidance in patients with spinal implants. <i>Journal of Neurosurgery: Spine</i> , 2010, 12, 413-420.	1.7	22
30	Inhibition of Peridural Fibrosis after Laminectomy Using Low-dose External Beam Radiation in a Rat Model. <i>Neurosurgery</i> , 1999, 44, 597-602.	1.1	21
31	Clinical Assessment Of Stereotactic IGRT: Spinal Radiosurgery. <i>Medical Dosimetry</i> , 2008, 33, 107-116.	0.9	21
32	Single versus multiple session stereotactic body radiotherapy for spinal metastasis: the risk-benefit ratio. <i>Future Oncology</i> , 2015, 11, 2405-2415.	2.4	20
33	Evaluation of a Hybrid Dynamic Stabilization and Fusion System in the Lumbar Spine: A 10 Year Experience. <i>Cureus</i> , 2016, 8, e637.	0.5	20
34	A New Piece of the Puzzle to Understand Cervical Sagittal Alignment: Utilizing a Novel Angle $\hat{\gamma}$ to Describe the Relationship among T1 Vertebral Body Slope, Cervical Lordosis, and Cervical Sagittal Alignment. <i>Neurosurgery</i> , 2020, 86, 446-451.	1.1	18
35	Risk-to-Benefit Ratio of Venous Thromboembolism Prophylaxis for Neurosurgical Procedures at a Quaternary Referral Center. <i>Neurosurgery</i> , 2019, 84, 355-361.	1.1	16
36	Outcomes Evaluation of Zero-Profile Devices Compared to Stand-Alone PEEK Cages for the Treatment of Three- and Four-Level Cervical Disc Disease. <i>Cureus</i> , 2016, 8, e775.	0.5	15

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37	A multi-national report on methods for institutional credentialing for spine radiosurgery. <i>Radiation Oncology</i> , 2013, 8, 158.	2.7	13
38	Pathological changes of the hippocampus and cognitive dysfunction following frontal lobe surgery in a rat model. <i>Acta Neurochirurgica</i> , 2016, 158, 2163-2171.	1.7	13
39	Plasma disc decompression compared to physiotherapy for symptomatic contained lumbar disc herniation: A prospective randomized controlled trial. <i>Neurologia I Neurochirurgia Polska</i> , 2016, 50, 24-30.	1.2	13
40	Low-dose radiotherapy for the inhibition of peridural fibrosis after reexploratory nerve root decompression for postlaminectomy syndrome. <i>Journal of Neurosurgery: Spine</i> , 2003, 99, 271-277.	1.7	12
41	Population description and clinical response assessment for spinal metastases: part 2 of the SPIne response assessment in Neuro-Oncology (SPINO) group report. <i>Neuro-Oncology</i> , 2018, 20, 1215-1224.	1.2	12
42	Prospective evaluation of a dedicated spine radiosurgery program using the Elekta Synergy S system. <i>Journal of Neurosurgery</i> , 2010, 113, 236-241.	1.6	11
43	A Longitudinal Cohort Investigation of the Development of Symptomatic Adjacent Level Compression Fractures Following Balloon-assisted Kyphoplasty in a Series of 726 Patients. <i>Pain Physician</i> , 2016, 19, E1167-E1172.	0.4	11
44	Single-stage stereotactic diagnosis and radiosurgery: Feasibility and cost implications. <i>Journal of Image Guided Surgery</i> , 1995, 1, 141-150.	0.3	10
45	Risk for surgical complications after previous stereotactic body radiotherapy of the spine. <i>Radiation Oncology</i> , 2017, 12, 153.	2.7	9
46	A Longitudinal Cohort Investigation of the Development of Symptomatic Adjacent Level Compression Fractures Following Balloon-assisted Kyphoplasty in a Series of 726 Patients. <i>Pain Physician</i> , 2016, 8;19, E1167-E1172.	0.4	8
47	Histopathological Findings After Reirradiation Compared to First Irradiation of Spinal Bone Metastases With Stereotactic Body Radiotherapy: A Cohort Study. <i>Neurosurgery</i> , 2019, 84, 435-441.	1.1	7
48	Design and Testing of 2 Novel Scores That Predict Global Sagittal Alignment Utilizing Cervical or Lumbar Plain Radiographs. <i>Neurosurgery</i> , 2018, 82, 163-171.	1.1	5
49	Percutaneous balloon kyphoplasty in the treatment of vertebral compression fractures: a single-center analysis of pain and quality of life outcomes. <i>British Journal of Neurosurgery</i> , 2021, 35, 166-169.	0.8	5
50	A Novel Tool for Deformity Surgery Planning: Determining the Magnitude of Lordotic Correction Required to Achieve a Desired Sagittal Vertical Axis. <i>World Neurosurgery</i> , 2017, 104, 904-908.e1.	1.3	3
51	Spinal radiosurgery: a neurosurgical perspective. <i>Journal of Radiosurgery and SBRT</i> , 2011, 1, 47-54.	0.2	3
52	Craniometrical imaging and clinical findings of adult Chiari malformation type 1 before and after posterior fossa decompression surgery with duraplasty. <i>British Journal of Neurosurgery</i> , 2019, 33, 481-485.	0.8	2
53	Evaluation of Clinical and Histologic Effects of High-Dose Radiosurgery on Rat Dorsal Root Ganglion. <i>World Neurosurgery</i> , 2019, 124, e276-e280.	1.3	2
54	Stereotactic Radiosurgery for Benign Spinal Tumors. <i>Neurosurgery Clinics of North America</i> , 2020, 31, 231-235.	1.7	2

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55	Safety and Efficacy of Balloon Kyphoplasty for Vertebral Fractures With Posterior Wall Disruption. <i>International Journal of Spine Surgery</i> , 2021, 15, 353-358.	1.5	2
56	Single-Stage Stereotactic Diagnosis and Radiosurgery: Feasibility and Cost Implications. <i>Computer Aided Surgery</i> , 1995, 1, 141-150.	1.8	1
57	Introduction: Spinal radiosurgery. <i>Neurosurgical Focus</i> , 2017, 42, E2.	2.3	1
58	Isolated traumatic occipital condyle fractures: Is external cervical orthosis even necessary?. , 2021, 12, 524.		0
59	Causes of hospital readmissions within 7 days from the neurosurgical service of a quaternary referral hospital. , 2020, 11, 226.		0
60	The need for a broad differential: intramedullary neurosarcooidosis case report. <i>Neurological Sciences</i> , 2022, 43, 2875-2877.	1.9	0