

# Ran Harel

## List of Publications by Year in descending order

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56  
papers

1,038  
citations

430874  
18  
h-index

477307  
29  
g-index

59  
all docs

59  
docs citations

59  
times ranked

1399  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparison of Frame-Based Versus Frameless Image-Guided Intracranial Stereotactic Brain Biopsy: A Retrospective Analysis of Safety and Efficacy. World Neurosurgery, 2022, 164, e1-e7.	1.3	5
2	C1 lateral mass screw insertion using cannulated, navigated screws: preliminary results of a novel technique. British Journal of Neurosurgery, 2022, , 1-4.	0.8	0
3	Post-laminectomy Dorsal Cord Migration Resulting in Immediate Neurological Deterioration during Ventral Meningioma Resection: Proposed Mechanism of Injury and Prevention Technique. Journal of Neurological Surgery, Part A: Central European Neurosurgery, 2022, 0, .	0.8	0
4	The XVS System During Open Spinal Fixation Procedures in Patients Requiring Pedicle Screw Placement in the Lumbosacral Spine. World Neurosurgery, 2022, 164, e1226-e1232.	1.3	8
5	Area-specific thalamocortical synchronization underlies the transition from motor planning to execution. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	7.1	16
6	Surgical Management of Failed Endovascular Treatment for Spinal Dural Arteriovenous Fistulas. World Neurosurgery, 2021, 147, e354-e362.	1.3	4
7	Utility of the Polestar N30 low-field MRI system for resecting non-enhancing intra-axial brain lesions. Neurologia I Neurochirurgia Polska, 2021, 55, 202-211.	1.2	3
8	Delayed variations in the diagnostic accuracy of intraoperative neuromonitoring in the resection of intramedullary spinal cord tumors. Neurosurgical Focus, 2021, 50, E21.	2.3	14
9	Potential neurotoxicity of titanium implants: Prospective, in-vivo and in-vitro study. Biomaterials, 2021, 276, 121039.	11.4	18
10	Minimally Invasive Spine Surgery: The Learning Curve of a Single Surgeon. Global Spine Journal, 2020, 10, 1022-1026.	2.3	17
11	Integrity of the tectorial membrane is a favorable prognostic factor in atlanto-occipital dislocation. British Journal of Neurosurgery, 2020, 34, 470-474.	0.8	5
12	One-step insertion of navigated pedicle screws in minimally invasive transforaminal lumbar interbody fusion (MITLIF): preliminary results of a novel technique. British Journal of Neurosurgery, 2020, , 1-4.	0.8	1
13	Reversible Block of Cerebellar Outflow Reveals Cortical Circuitry for Motor Coordination. Cell Reports, 2019, 27, 2608-2619.e4.	6.4	35
14	Intraoperative imaging and navigation for C1-C2 posterior fusion. , 2019, 10, 149.		10
15	Augmented reality-assisted pedicle screw insertion: a cadaveric proof-of-concept study. Journal of Neurosurgery: Spine, 2019, 31, 139-146.	1.7	85
16	Brain Metastases from Ovarian Carcinoma: An Evaluation of Prognostic Factors and Treatment. Neurology India, 2019, 67, 1431.	0.4	7
17	Anterior cervical approach for the treatment of axial or high thoracic levels. British Journal of Neurosurgery, 2018, 32, 599-603.	0.8	3
18	Cerebellar Shaping of Motor Cortical Firing Is Correlated with Timing of Motor Actions. Cell Reports, 2018, 23, 1275-1285.	6.4	31

#	ARTICLE	IF	CITATIONS
19	Spinal intradural extramedullary tumors: the value of intraoperative neurophysiologic monitoring on surgical outcome. <i>Neurosurgical Review</i> , 2017, 40, 613-619.	2.4	48
20	In reply to the letter to the editor regarding "Intraoperative neurophysiologic monitoring in spinal intradural extramedullary tumors: only a prognostic tool?" <i>Neurosurgical Review</i> , 2017, 40, 595-596.	2.4	0
21	Parallel processing of internal and external feedback in the spinocerebellar system of primates. <i>Journal of Neurophysiology</i> , 2017, 118, 254-266.	1.8	7
22	Spine radiosurgery: lessons learned from the first 100 treatment sessions. <i>Neurosurgical Focus</i> , 2017, 42, E3.	2.3	12
23	Volumetric Modulated Arc Therapy for Spine Radiosurgery: Superior Treatment Planning and Delivery Compared to Static Beam Intensity Modulated Radiotherapy. <i>BioMed Research International</i> , 2016, 2016, 1-6.	1.9	11
24	Cervical Spine Surgery: Approach-Related Complications. <i>World Neurosurgery</i> , 2016, 94, 1-5.	1.3	37
25	Acute Cervical Disk Herniation Resulting in Sudden and Severe Neurologic Deterioration: A Case Series. <i>The Surgery Journal</i> , 2016, 02, e96-e101.	0.7	2
26	Quantitative Evaluation of Local Control and Wound Healing Following Surgery and Stereotactic Spine Radiosurgery for Spine Tumors. <i>World Neurosurgery</i> , 2016, 87, 48-54.	1.3	20
27	Hazards of Ionizing Radiation and its Impact on Spine Surgery. <i>World Neurosurgery</i> , 2016, 92, 353-359.	1.3	24
28	Steroid Therapy for Spinal Cord Trauma: Where's the Evidence?. <i>World Neurosurgery</i> , 2016, 90, 621-622.	1.3	2
29	Hazards of Ionizing Radiation and Its Impact on Neurosurgical Practice. <i>World Neurosurgery</i> , 2016, 86, 42-43.	1.3	3
30	Intraoperative spine ultrasound: application and benefits. <i>European Spine Journal</i> , 2016, 25, 865-869.	2.2	23
31	Minimally Invasive Spine Metastatic Tumor Resection and Stabilization: New Technology Yield Improved Outcome. <i>BioMed Research International</i> , 2015, 2015, 1-6.	1.9	12
32	Spine radiosurgery for spinal metastases: indications, technique and outcome. <i>Neurological Research</i> , 2014, 36, 550-556.	1.3	17
33	The value of neuromonitoring in cervical spine surgery. , 2014, 5, 120.		10
34	Intraoperative Magnetic Resonance Imaging for Resection of Intra-Axial Brain Lesions: A Decade of Experience Using Low-Field Magnetic Resonance Imaging, Polestar N-10, 20, 30 Systems. <i>World Neurosurgery</i> , 2014, 82, 770-776.	1.3	19
35	Functional Organization of Information Flow in the Corticospinal Pathway. <i>Journal of Neuroscience</i> , 2013, 33, 1190-1197.	3.6	20
36	Circumferential Cervical Surgery. <i>Journal of Spinal Disorders and Techniques</i> , 2013, 26, 183-188.	1.9	8

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37	Spinal radiosurgery using the synergy-S system. Israel Medical Association Journal, 2013, 15, 712-3.	0.1	0
38	Oncomodulin affords limited regeneration to injured sensory axons in vitro and in vivo. Experimental Neurology, 2012, 233, 708-716.	4.1	15
39	Cervical Kyphosis Trapezius Sign: A New Sign for an Old Pathology. World Neurosurgery, 2010, 74, 602-605.	1.3	2
40	Spine Instrumentation Failure After Spine Tumor Resection and Radiation: Comparing Conventional Radiotherapy with Stereotactic Radiosurgery Outcomes. World Neurosurgery, 2010, 74, 517-522.	1.3	36
41	Spatiotemporal Organization of Neuronal Activity in the Cervical Cord of Behaving Primates. Frontiers in Neuroscience, 2010, 4, 195.	2.8	3
42	Spine metastases: Current treatments and future directions. European Journal of Cancer, 2010, 46, 2696-2707.	2.8	165
43	Computation in spinal circuitry: Lessons from behaving primates. Behavioural Brain Research, 2008, 194, 119-128.	2.2	17
44	Coordinate Transformation is First Completed Downstream of Primary Motor Cortex. Journal of Neuroscience, 2008, 28, 1728-1732.	3.6	27
45	Connected Corticospinal Sites Show Enhanced Tuning Similarity at the Onset of Voluntary Action. Journal of Neuroscience, 2007, 27, 12349-12357.	3.6	22
46	Paradoxical transtentorial herniation in a patient with pseudotumor cerebri. Israel Medical Association Journal, 2006, 8, 355-6.	0.1	0
47	Prospective Evaluation of Clinical and Laboratory Effects of Intrathecal Chemotherapy on Children With Acute Leukemia. Journal of Pediatric Hematology/Oncology, 2005, 27, 307-310.	0.6	20
48	Predictors of adverse outcome from candidal infection in a tertiary care hospital. Journal of Infection, 2004, 49, 317-323.	3.3	28
49	Invasive Group A Streptococcal Infections in a Large Tertiary Center: Epidemiology, Characteristics and Outcome. Infection, 2002, 30, 81-85.	4.7	46
50	Interleukin-8 secretion following cardiopulmonary bypass in children as a marker of early postoperative morbidity. Paediatric Anaesthesia, 2002, 12, 156-161.	1.1	15
51	Long-term assessment of pulmonary function tests in pediatric survivors of acute respiratory distress syndrome. Medical Science Monitor, 2002, 8, CR153-7.	1.1	19
52	Î2-Chemokine secretion patterns in relation to clinical course and outcome in children after cardiopulmonary bypass: continuing the search to abrogate systemic inflammatory response. Annals of Thoracic Surgery, 2001, 71, 233-237.	1.3	21
53	Acute respiratory distress syndrome in children with malignancyâ€”Can we predict outcome?. Journal of Critical Care, 2001, 16, 54-58.	2.2	18
54	Metabolic and Clinical Markers of Prognosis in the Era of CT Imaging in Children with Acute Epidural Hematomas. Pediatric Neurosurgery, 2000, 33, 70-75.	0.7	25

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55	Early prediction of neurological outcome after falls in children: metabolic and clinical markers.. Emergency Medicine Journal, 1999, 16, 186-188.	1.0	15
56	Adapting prognostic respiratory variables of ARDS in children to small-scale community needs. Journal of Critical Care, 1999, 14, 120-124.	2.2	7