

Dino Samartzis

List of Publications by Year in descending order

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Version: 2024-02-01

121
papers

4,137
citations

172207

29
h-index

138251

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123
docs citations

123
times ranked

3326
citing authors

#	ARTICLE	IF	CITATIONS
1	Epidemiology of Lumbar Degenerative Phenotypes of Children and Adolescents: A Large-Scale Imaging Study. <i>Global Spine Journal</i> , 2023, 13, 599-608.	1.2	5
2	Telemedicine in Spine Surgery: Global Perspectives and Practices. <i>Global Spine Journal</i> , 2023, 13, 1200-1211.	1.2	11
3	Spine Surgery and COVID-19: The Influence of Practice Type on Preparedness, Response, and Economic Impact. <i>Global Spine Journal</i> , 2022, 12, 249-262.	1.2	9
4	Prevalence and Definition of Multilevel Lumbar Developmental Spinal Stenosis. <i>Global Spine Journal</i> , 2022, 12, 1084-1090.	1.2	9
5	The Modicâ€ndplateâ€complex phenotype in cervical spine patients: Association with symptoms and outcomes. <i>Journal of Orthopaedic Research</i> , 2022, 40, 449-459.	1.2	6
6	Learning-based fully automated prediction of lumbar disc degeneration progression with specified clinical parameters and preliminary validation. <i>European Spine Journal</i> , 2022, 31, 1960-1968.	1.0	3
7	Detailed Subphenotyping of Lumbar Modic Changes and Their Association with Low Back Pain in a Large Population-Based Study: The Wakayama Spine Study. <i>Pain and Therapy</i> , 2022, 11, 57-71.	1.5	12
8	Is Scoliosis Associated with Dance Injury in Young Recreational Dancers? A Large-Scale Cross-Sectional Epidemiological Study. <i>Journal of Dance Medicine and Science</i> , 2022, 26, 41-49.	0.2	7
9	Artificial intelligence and spine imaging: limitations, regulatory issues and future direction. <i>European Spine Journal</i> , 2022, , 1.	1.0	10
10	Quantum Computing: The Future of Big Data and Artificial Intelligence in Spine. <i>Spine Surgery and Related Research</i> , 2022, 6, 93-98.	0.4	9
11	ISSLS PRIZE in Clinical Science 2022: Epidemiology, risk factors and clinical impact of juvenile Modic changes in paediatric patients with low back pain. <i>European Spine Journal</i> , 2022, 31, 1069-1079.	1.0	14
12	Oral Zoledronic acid bisphosphonate for the treatment of chronic low back pain with associated Modic changes: A pilot randomized controlled trial. <i>Journal of Orthopaedic Research</i> , 2022, 40, 2924-2936.	1.2	6
13	Artificial intelligence in spine care: current applications and future utility. <i>European Spine Journal</i> , 2022, 31, 2057-2081.	1.0	21
14	A Prospective, 3-year Longitudinal Study of Modic Changes of the Lumbar Spine in a Population-based Cohort. <i>Spine</i> , 2022, 47, 490-497.	1.0	8
15	A definition and clinical grading of Modic changes. <i>Journal of Orthopaedic Research</i> , 2022, 40, 301-307.	1.2	19
16	Endplate abnormalities, Modic changes and their relationship to alignment parameters and surgical outcomes in the cervical spine. <i>Journal of Orthopaedic Research</i> , 2022, , .	1.2	3
17	Are Morphometric and Biomechanical Characteristics of Lumbar Multifidus Related to Pain Intensity or Disability in People With Chronic Low Back Pain After Considering Psychological Factors or Insomnia?. <i>Frontiers in Psychiatry</i> , 2022, 13, 809891.	1.3	7
18	Differential Effects of the COVID-19 Pandemic on Physical Activity Involvements and Exercise Habits in People With and Without Chronic Diseases: A Systematic Review and Meta-analysis. <i>Archives of Physical Medicine and Rehabilitation</i> , 2022, 103, 1448-1465.e6.	0.5	12

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19	Robert Gunzburg and Marek Szpalski: 2022 ISSLS Wiltse Lifetime Achievement Award. Spine, 2022, Publish Ahead of Print, .	1.0	0
20	Artificial intelligence in predicting early-onset adjacent segment degeneration following anterior cervical discectomy and fusion. European Spine Journal, 2022, 31, 2104-2114.	1.0	9
21	Mechanisms and clinical implications of intervertebral disc calcification. Nature Reviews Rheumatology, 2022, 18, 352-362.	3.5	33
22	Lumbar spinal stenosis. , 2022, , 283-318.		0
23	Vertebral bone marrow (Modic) changes. , 2022, , 223-252.		0
24	Vertebral endplate abnormalities, defects, and changes. , 2022, , 203-222.		1
25	Intervertebral disc degeneration. , 2022, , 105-135.		0
26	Pedigree analysis of lumbar developmental spinal stenosis: Determination of potential inheritance patterns. Journal of Orthopaedic Research, 2021, 39, 1763-1776.	1.2	4
27	Cervical spine MRI phenotypes and prediction of pain, disability and adjacent segment degeneration/disease after ACDF. Journal of Orthopaedic Research, 2021, 39, 657-670.	1.2	13
28	Intelligence-Based Spine Care Model: A New Era of Research and Clinical Decision-Making. Global Spine Journal, 2021, 11, 135-145.	1.2	24
29	Radiographic cervical spine degenerative findings: a study on a large population from age 18 to 97 years. European Spine Journal, 2021, 30, 431-443.	1.0	24
30	Serum biomarkers for Modic changes in patients with chronic low back pain. European Spine Journal, 2021, 30, 1018-1027.	1.0	16
31	Clinical implications of lumbar developmental spinal stenosis on back pain, radicular leg pain, and disability. Bone and Joint Journal, 2021, 103-B, 131-140.	1.9	14
32	Spine surgeon perceptions of the challenges and benefits of telemedicine: an international study. European Spine Journal, 2021, 30, 2124-2132.	1.0	28
33	The Concept of Lamina-Pedicle Perpendicularity: Part 1. Lumbar Spine. Asian Spine Journal, 2021, 15, 81-88.	0.8	4
34	The Concept of Lamina-Pedicle Perpendicularity: Part 2: Thoracic Spine. Asian Spine Journal, 2021, 15, 252-260.	0.8	3
35	The profile of the spinal column in subjects with lumbar developmental spinal stenosis. Bone and Joint Journal, 2021, 103-B, 725-733.	1.9	10
36	Demographic, Surgical, and Radiographic Risk Factors for Symptomatic Adjacent Segment Disease After Lumbar Fusion. Journal of Bone and Joint Surgery - Series A, 2021, 103, 1438-1450.	1.4	23

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37	Artificial intelligence predicts disk re-herniation following lumbar microdiscectomy: development of the "RAD" risk profile. <i>European Spine Journal</i> , 2021, 30, 2167-2175.	1.0	17
38	Development of a standardized histopathology scoring system for human intervertebral disc degeneration: an Orthopaedic Research Society Spine Section Initiative. <i>JOR Spine</i> , 2021, 4, e1167.	1.5	25
39	Does Motor Control Exercise Restore Normal Morphology of Lumbar Multifidus Muscle in People with Low Back Pain? " A Systematic Review. <i>Journal of Pain Research</i> , 2021, Volume 14, 2543-2562.	0.8	12
40	Patients Undergoing 3-Level-or-Greater Decompression-Only Surgery for Lumbar Spinal Stenosis Have Similar Outcomes to Those Undergoing Single-Level Surgery at 2 Years. <i>International Journal of Spine Surgery</i> , 2021, 15, 8124.	0.7	2
41	Deciphering osteoarthritis genetics across 826,690 individuals from 9 populations. <i>Cell</i> , 2021, 184, 4784-4818.e17.	13.5	188
42	COVID-19 and the rise of virtual medicine in spine surgery: a worldwide study. <i>European Spine Journal</i> , 2021, 30, 2133-2142.	1.0	17
43	Telemedicine in research and training: spine surgeon perspectives and practices worldwide. <i>European Spine Journal</i> , 2021, 30, 2143-2149.	1.0	6
44	Etiology-Based Classification of Adjacent Segment Disease Following Lumbar Spine Fusion. <i>HSS Journal</i> , 2020, 16, 130-136.	0.7	12
45	Predictability of Coronal Curve Flexibility in Postoperative Curve Correction in Adolescent Idiopathic Scoliosis: The Effect of the Sagittal Profile. <i>Global Spine Journal</i> , 2020, 10, 303-311.	1.2	6
46	John P. O'Brien. <i>Spine</i> , 2020, 45, 635-640.	1.0	0
47	Cervical Spine Endplate Abnormalities and Association With Pain, Disability, and Adjacent Segment Degeneration After Anterior Cervical Discectomy and Fusion. <i>Spine</i> , 2020, 45, E917-E926.	1.0	15
48	High-Intensity Zones on MRI of the Cervical Spine in Patients: Epidemiology and Association With Pain and Disability. <i>Global Spine Journal</i> , 2020, , 219256822096632.	1.2	1
49	Provider confidence in the telemedicine spine evaluation: results from a global study. <i>European Spine Journal</i> , 2020, 30, 2109-2123.	1.0	19
50	COVID 19: Current and future challenges in spine care and education "a worldwide study. <i>JOR Spine</i> , 2020, 3, e1122.	1.5	6
51	Differences in Proprioception Between Young and Middle-Aged Adults With and Without Chronic Low Back Pain. <i>Frontiers in Neurology</i> , 2020, 11, 605787.	1.1	14
52	The Impact of COVID-19 Pandemic on Spine Surgeons Worldwide. <i>Global Spine Journal</i> , 2020, 10, 534-552.	1.2	50
53	Perioperative Anticoagulation Management in Spine Surgery: Initial Findings From the AO Spine Anticoagulation Global Survey. <i>Global Spine Journal</i> , 2020, 10, 512-527.	1.2	17
54	The Global Spine Community and COVID-19. <i>Spine</i> , 2020, 45, E754-E757.	1.0	5

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55	Learning from the past: did experience with previous epidemics help mitigate the impact of COVID-19 among spine surgeons worldwide?. <i>European Spine Journal</i> , 2020, 29, 1789-1805.	1.0	11
56	Imaging in Spine Surgery: Current Concepts and Future Directions. <i>Spine Surgery and Related Research</i> , 2020, 4, 99-110.	0.4	31
57	Lumbar high-intensity zones on MRI: imaging biomarkers for severe, prolonged low back pain and sciatica in a population-based cohort. <i>Spine Journal</i> , 2020, 20, 1025-1034.	0.6	26
58	Development and validation of a novel scoring tool for predicting facility discharge after elective posterior lumbar fusion. <i>Spine Journal</i> , 2020, 20, 1629-1637.	0.6	4
59	Spinopelvic alignment predicts disc calcification, displacement, and Modic changes: Evidence of an evolutionary etiology for clinicallyâ€relevant spinal phenotypes. <i>JOR Spine</i> , 2020, 3, e1083.	1.5	16
60	Selection of the lowest instrumented vertebra in main thoracic adolescent idiopathic scoliosis: Is it safe to fuse shorter than the last touched vertebra?. <i>European Spine Journal</i> , 2020, 29, 2018-2024.	1.0	12
61	Image-Based Markers Predict Dynamic Instability in Lumbar Degenerative Spondylolisthesis. <i>Neurospine</i> , 2020, 17, 221-227.	1.1	12
62	The Impact of Modic Changes on Preoperative Symptoms and Clinical Outcomes in Anterior Cervical Discectomy and Fusion Patients. <i>Neurospine</i> , 2020, 17, 190-203.	1.1	9
63	Personal Health of Spine Surgeons Can Impact Perceptions, Decision-Making and Healthcare Delivery During the COVID-19 Pandemic - A Worldwide Study. <i>Neurospine</i> , 2020, 17, 313-330.	1.1	3
64	AOSpine Knowledge Forums: Research in Motion. <i>Global Spine Journal</i> , 2019, 9, 5S-7S.	1.2	2
65	Geography of Lumbar Paravertebral Muscle Fatty Infiltration. <i>Spine</i> , 2019, 44, 1294-1302.	1.0	41
66	Differential patient responses to spinal manipulative therapy and their relation to spinal degeneration and post-treatment changes in disc diffusion. <i>European Spine Journal</i> , 2019, 28, 259-269.	1.0	9
67	Multidimensional vertebral endplate defects are associated with disc degeneration, modic changes, facet joint abnormalities, and pain. <i>Journal of Orthopaedic Research</i> , 2019, 37, 1080-1089.	1.2	48
68	Low back pain in children: a rising concern. <i>European Spine Journal</i> , 2019, 28, 211-213.	1.0	22
69	Global Consensus From Clinicians Regarding Low Back Pain Outcome Indicators for Older Adults: Pairwise Wiki Survey Using Crowdsourcing. <i>JMIR Rehabilitation and Assistive Technologies</i> , 2019, 6, e11127.	1.1	9
70	The association of lumbar intervertebral disc calcification on plain radiographs with the UTE Disc Sign on MRI. <i>European Spine Journal</i> , 2018, 27, 1049-1057.	1.0	17
71	Structural vertebral endplate nomenclature and etiology: a study by the ISSLS Spinal Phenotype Focus Group. <i>European Spine Journal</i> , 2018, 27, 2-12.	1.0	38
72	Rod Lengthening With the Magnetically Controlled Growing Rod. <i>Spine</i> , 2018, 43, E399-E405.	1.0	54

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73	The UTE Disc Sign on MRI. <i>Spine</i> , 2018, 43, 503-511.	1.0	24
74	Sagittal spinopelvic malalignment in degenerative scoliosis patients: isolated correction of symptomatic levels and clinical decision-making. <i>Scoliosis and Spinal Disorders</i> , 2018, 13, 28.	2.3	5
75	The association of high-intensity zones on MRI and low back pain: a systematic review. <i>Scoliosis and Spinal Disorders</i> , 2018, 13, 22.	2.3	28
76	Precision Spine Care: A New Era of Discovery, Innovation, and Global Impact. <i>Global Spine Journal</i> , 2018, 8, 321-322.	1.2	8
77	Etiology of developmental spinal stenosis: A genome-wide association study. <i>Journal of Orthopaedic Research</i> , 2018, 36, 1262-1268.	1.2	22
78	Low back pain in older adults: risk factors, management options and future directions. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 14.	2.3	239
79	Characterization and Predictive Value of Segmental Curve Flexibility in Adolescent Idiopathic Scoliosis Patients. <i>Spine</i> , 2017, 42, 1622-1628.	1.0	27
80	Reproducibility of thoracic kyphosis measurements in patients with adolescent idiopathic scoliosis. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 4.	2.3	22
81	Low back pain in older adults – the need for specific outcome and psychometric tools. <i>Journal of Pain Research</i> , 2016, Volume 9, 989-991.	0.8	10
82	An International Multicenter Study Assessing the Role of Ethnicity on Variation of Lumbar Facet Joint Orientation and the Occurrence of Degenerative Spondylolisthesis in Asia Pacific: A Study from the AOSpine Asia Pacific Research Collaboration Consortium. <i>Global Spine Journal</i> , 2016, 6, 35-45.	1.2	26
83	Critical Values of Facet Joint Angulation and Tropism in the Development of Lumbar Degenerative Spondylolisthesis: An International, Large-Scale Multicenter Study by the AOSpine Asia Pacific Research Collaboration Consortium. <i>Global Spine Journal</i> , 2016, 6, 414-421.	1.2	46
84	Two subtypes of intervertebral disc degeneration distinguished by large-scale population-based study. <i>Spine Journal</i> , 2016, 16, 1079-1089.	0.6	51
85	The paradoxical relationship between ligamentum flavum hypertrophy and developmental lumbar spinal stenosis. <i>Scoliosis and Spinal Disorders</i> , 2016, 11, 26.	2.3	23
86	Refined Phenotyping of Modic Changes. <i>Medicine (United States)</i> , 2016, 95, e3495.	0.4	68
87	Disappearing bone disease of the humerus and the cervico-thoracic spine: a case report with 42-year follow-up. <i>Spine Journal</i> , 2016, 16, e67-e75.	0.6	7
88	Is lumbar facet joint tropism developmental or secondary to degeneration? An international, large-scale multicenter study by the AOSpine Asia Pacific Research Collaboration Consortium. <i>Scoliosis and Spinal Disorders</i> , 2016, 11, 9.	2.3	23
89	ISSLS Prize Winner: Consensus on the Clinical Diagnosis of Lumbar Spinal Stenosis. <i>Spine</i> , 2016, 41, 1239-1246.	1.0	98
90	Pathobiology of Modic changes. <i>European Spine Journal</i> , 2016, 25, 3723-3734.	1.0	253

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91	Modic changes of the lumbar spine: prevalence, risk factors, and association with disc degeneration and low back pain in a large-scale population-based cohort. <i>Spine Journal</i> , 2016, 16, 32-41.	0.6	192
92	Classification of High Intensity Zones of the Lumbar Spine and Their Association with Other Spinal MRI Phenotypes: The Wakayama Spine Study. <i>PLoS ONE</i> , 2016, 11, e0160111.	1.1	30
93	Selection of fusion levels using the fulcrum bending radiograph for the management of adolescent idiopathic scoliosis patients with alternate level pedicle screw strategy: clinical decision-making and outcomes. <i>PLoS ONE</i> , 2015, 10, e0120302.	1.1	23
94	Phenotype profiling of Modic changes of the lumbar spine and its association with other MRI phenotypes: a large-scale population-based study. <i>Spine Journal</i> , 2015, 15, 1933-1942.	0.6	79
95	Cervical open-door laminoplasty technique with simple sutures and bone grafts: a single institutional study with 30 consecutive cases. <i>Journal of Orthopaedic Surgery and Research</i> , 2015, 10, 14.	0.9	6
96	Fundamentals of Clinical Outcomes Assessment for Spinal Disorders: Study Designs, Methodologies, and Analyses. <i>Global Spine Journal</i> , 2015, 5, 156-164.	1.2	20
97	Novel diagnostic and prognostic methods for disc degeneration and low back pain. <i>Spine Journal</i> , 2015, 15, 1919-1932.	0.6	62
98	Intervertebral disc "dysgeneration". <i>Spine Journal</i> , 2015, 15, 1915-1918.	0.6	18
99	Defining Clinically Relevant Values for Developmental Spinal Stenosis. <i>Spine</i> , 2014, 39, 1067-1076.	1.0	37
100	Changes in Vertebral Strain Energy Correlate With Increased Presence of Schmorl's Nodes in Multi-Level Lumbar Disk Degeneration. <i>Journal of Biomechanical Engineering</i> , 2014, 136, 061002.	0.6	10
101	Genome-wide association studies of lumbar disc degeneration"are we there yet?. <i>Spine Journal</i> , 2014, 14, 479-482.	0.6	31
102	Clarifying the nomenclature of intervertebral disc degeneration and displacement: from bench to bedside. <i>International Journal of Clinical and Experimental Pathology</i> , 2014, 7, 1293-8.	0.5	25
103	Disk Degeneration and Pain. <i>Global Spine Journal</i> , 2013, 3, 125-126.	1.2	10
104	Ionizing Radiation Exposure and the Development of Soft-Tissue Sarcomas in Atomic-Bomb Survivors. <i>Journal of Bone and Joint Surgery - Series A</i> , 2013, 95, 222-229.	1.4	29
105	Are "Patterns" of Lumbar Disc Degeneration Associated With Low Back Pain?. <i>Spine</i> , 2012, 37, E430-E438.	1.0	64
106	Genetic Association Studies in Lumbar Disc Degeneration: A Systematic Review. <i>PLoS ONE</i> , 2012, 7, e49995.	1.1	90
107	The association of lumbar intervertebral disc degeneration on magnetic resonance imaging with body mass index in overweight and obese adults: A population-based study. <i>Arthritis and Rheumatism</i> , 2012, 64, 1488-1496.	6.7	229
108	A Population-Based Study of Juvenile Disc Degeneration and Its Association with Overweight and Obesity, Low Back Pain, and Diminished Functional Status. <i>Journal of Bone and Joint Surgery - Series A</i> , 2011, 93, 662-670.	1.4	250

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109	Lumbar Intervertebral Disk Degeneration. Orthopedic Clinics of North America, 2011, 42, xi-xii.	0.5	9
110	Management of Degenerative Disk Disease and Chronic Low Back Pain. Orthopedic Clinics of North America, 2011, 42, 513-528.	0.5	66
111	Ionizing radiation exposure and the development of intervertebral disc degeneration in humans: myth or reality. Spine Journal, 2011, 11, 979-982.	0.6	9
112	Exposure to Ionizing Radiation and Development of Bone Sarcoma: New Insights Based on Atomic-Bomb Survivors of Hiroshima and Nagasaki. Journal of Bone and Joint Surgery - Series A, 2011, 93, 1008-1015.	1.4	42
113	Degenerative Magnetic Resonance Imaging Changes in Patients With Chronic Low Back Pain. Spine, 2011, 36, S43-S53.	1.0	160
114	Chronic Low Back Pain. Spine, 2011, 36, S1-S9.	1.0	103
115	The "X-Factor" Index: a new parameter for the assessment of adolescent idiopathic scoliosis correction. European Spine Journal, 2011, 20, 144-150.	1.0	15
116	ISSLS Prize Winner: Prevalence, Determinants, and Association of Schmorl Nodes of the Lumbar Spine With Disc Degeneration. Spine, 2010, 35, 1944-1952.	1.0	126
117	Intervertebral disc degeneration: New insights based on "skipped" level disc pathology. Arthritis and Rheumatism, 2010, 62, 2392-2400.	6.7	48
118	Lumbar Spinal Stenosis. Journal of the American Academy of Orthopaedic Surgeons, The, 2008, 16, 171-176.	1.1	12
119	Minimally Invasive Spine Surgery: A Historical Perspective. Orthopedic Clinics of North America, 2007, 38, 305-326.	0.5	27
120	Nonsurgical Management of Acute and Chronic Low Back Pain. Journal of the American Academy of Orthopaedic Surgeons, The, 2006, 14, 477-487.	1.1	75
121	Congenital lumbar spinal stenosis: a prospective, control-matched, cohort radiographic analysis. Spine Journal, 2005, 5, 615-622.	0.6	107