

Paul Gerdhem

List of Publications by Year in descending order

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99
papers

2,808
citations

186265

28
h-index

206112

48
g-index

101
all docs

101
docs citations

101
times ranked

3235
citing authors

#	ARTICLE	IF	CITATIONS
1	Biochemical Markers of Bone Metabolism and Prediction of Fracture in Elderly Women. <i>Journal of Bone and Mineral Research</i> , 2003, 19, 386-393.	2.8	228
2	Effect of Fracture on Bone Turnover Markers: A Longitudinal Study Comparing Marker Levels Before and After Injury in 113 Elderly Women. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 1155-1164.	2.8	143
3	Bone turnover markers and prediction of fracture: A prospective follow-up study of 1040 elderly women for a mean of 9 years. <i>Journal of Bone and Mineral Research</i> , 2010, 25, 393-403.	2.8	123
4	X-Stop Versus Decompressive Surgery for Lumbar Neurogenic Intermittent Claudication. <i>Spine</i> , 2013, 38, 1436-1442.	2.0	114
5	Associations Between Homocysteine, Bone Turnover, BMD, Mortality, and Fracture Risk in Elderly Women. <i>Journal of Bone and Mineral Research</i> , 2006, 22, 127-134.	2.8	103
6	Feasibility and Accuracy of Thoracolumbar Minimally Invasive Pedicle Screw Placement With Augmented Reality Navigation Technology. <i>Spine</i> , 2018, 43, 1018-1023.	2.0	101
7	Augmented reality navigation with intraoperative 3D imaging vs fluoroscopy-assisted free-hand surgery for spine fixation surgery: a matched-control study comparing accuracy. <i>Scientific Reports</i> , 2020, 10, 707.	3.3	76
8	Urinary Osteocalcin as a Marker of Bone Metabolism. <i>Clinical Chemistry</i> , 2005, 51, 618-628.	3.2	73
9	Clinical history and biologic age predicted falls better than objective functional tests. <i>Journal of Clinical Epidemiology</i> , 2005, 58, 226-232.	5.0	73
10	A Novel Augmented-Reality-Based Surgical Navigation System for Spine Surgery in a Hybrid Operating Room: Design, Workflow, and Clinical Applications. <i>Operative Neurosurgery</i> , 2020, 18, 496-502.	0.8	68
11	Heritability of scoliosis. <i>European Spine Journal</i> , 2012, 21, 1069-1074.	2.2	67
12	Osteoporosis and fragility fractures: Vertebral fractures. <i>Best Practice and Research in Clinical Rheumatology</i> , 2013, 27, 743-755.	3.3	66
13	Serial Assessment of Serum Bone Metabolism Markers Identifies Women with the Highest Rate of Bone Loss and Osteoporosis Risk. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2008, 93, 2622-2632.	3.6	55
14	Smoking, smoking cessation, and fracture risk in elderly women followed for 10 years. <i>Osteoporosis International</i> , 2016, 27, 249-255.	3.1	54
15	Biochemical markers of bone turnover are influenced by recently sustained fracture. <i>Bone</i> , 2005, 36, 786-792.	2.9	53
16	Candidate gene analysis and exome sequencing confirm LBX1 as a susceptibility gene for idiopathic scoliosis. <i>Spine Journal</i> , 2015, 15, 2239-2246.	1.3	53
17	Bone mineral density in old age: the influence of age at menarche and menopause. <i>Journal of Bone and Mineral Metabolism</i> , 2004, 22, 372-5.	2.7	52
18	Accelerometer-measured daily physical activity among octogenarians: results and associations to other indices of physical performance and bone density. <i>European Journal of Applied Physiology</i> , 2007, 102, 173-180.	2.5	52

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19	Back Pain and Quality of Life After Surgical Treatment for Adolescent Idiopathic Scoliosis at 5-Year Follow-up. <i>Journal of Bone and Joint Surgery - Series A</i> , 2019, 101, 1460-1466.	3.0	45
20	Lumbar spinal stenosis: comparison of surgical practice variation and clinical outcome in three national spine registries. <i>Spine Journal</i> , 2019, 19, 41-49.	1.3	40
21	An observational study on the outcome after surgery for lumbar disc herniation in adolescents compared with adults based on the Swedish Spine Register. <i>Spine Journal</i> , 2015, 15, 1241-1247.	1.3	36
22	Rapidly increasing incidence in scoliosis surgery over 14 years in a nationwide sample. <i>European Spine Journal</i> , 2018, 27, 286-292.	2.2	36
23	Outcomes of Posterolateral Fusion with and without Instrumentation and of Interbody Fusion for Isthmic Spondylolisthesis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 743-752.	3.0	36
24	Pre- and postoperative quality of life in patients treated for scoliosis. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2013, 84, 537-543.	3.3	35
25	Response rate does not affect patient-reported outcome after lumbar discectomy. <i>European Spine Journal</i> , 2018, 27, 1538-1546.	2.2	35
26	Genome-wide meta-analysis and replication studies in multiple ethnicities identify novel adolescent idiopathic scoliosis susceptibility loci. <i>Human Molecular Genetics</i> , 2018, 27, 3986-3998.	2.9	34
27	Interleukin-6 promoter polymorphism is associated with bone quality assessed by calcaneus ultrasound and previous fractures in a cohort of 75-year-old women. <i>Osteoporosis International</i> , 2004, 15, 820-6.	3.1	33
28	A multi-ethnic meta-analysis confirms the association of rs6570507 with adolescent idiopathic scoliosis. <i>Scientific Reports</i> , 2018, 8, 11575.	3.3	33
29	Reliability and validity of inexpensive and easily administered anthropometric clinical evaluation methods of postural asymmetry measurement in adolescent idiopathic scoliosis: a systematic review. <i>European Spine Journal</i> , 2016, 25, 450-466.	2.2	31
30	Family history and its association to curve size and treatment in 1,463 patients with idiopathic scoliosis. <i>European Spine Journal</i> , 2013, 22, 2421-2426.	2.2	29
31	Prevalence of Back Problems in 1069 Adults With Idiopathic Scoliosis and 158 Adults Without Scoliosis. <i>Spine</i> , 2014, 39, 886-892.	2.0	29
32	Health-Related Quality of Life in Adulthood in Untreated and Treated Individuals with Adolescent or Juvenile Idiopathic Scoliosis. <i>Journal of Bone and Joint Surgery - Series A</i> , 2018, 100, 811-817.	3.0	29
33	Bacteria: back pain, leg pain and Modic sign – a surgical multicentre comparative study. <i>European Spine Journal</i> , 2019, 28, 2981-2989.	2.2	27
34	Does Augmented Reality Navigation Increase Pedicle Screw Density Compared to Free-Hand Technique in Deformity Surgery? Single Surgeon Case Series of 44 Patients. <i>Spine</i> , 2020, 45, E1085-E1090.	2.0	27
35	Bone Mass Cannot Be Predicted by Estimations of Frailty in Elderly Ambulatory Women. <i>Gerontology</i> , 2003, 49, 168-172.	2.8	26
36	Identification of novel proteolytic forms of osteocalcin in human urine. <i>Biochemical and Biophysical Research Communications</i> , 2003, 306, 973-980.	2.1	25

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37	Variation in the BMP2 Gene: Bone Mineral Density and Ultrasound in Young Adult and Elderly Women. <i>Calcified Tissue International</i> , 2007, 81, 254-262.	3.1	25
38	Quality of life outcomes in surgically treated adult scoliosis patients: a systematic review. <i>European Spine Journal</i> , 2015, 24, 1343-1355.	2.2	25
39	Population-based normative data for the Scoliosis Research Society 22r questionnaire in adolescents and adults, including a comparison with EQ-5D. <i>European Spine Journal</i> , 2017, 26, 1631-1637.	2.2	24
40	Lumbar disc herniation surgery in children: outcome and gender differences. <i>European Spine Journal</i> , 2016, 25, 657-663.	2.2	23
41	Hemicallosis for medial gonarthrosis: a short-term follow-up of 21 patients. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2002, 122, 134-138.	2.4	21
42	Exome sequencing followed by genotyping suggests SYPL2 as a susceptibility gene for morbid obesity. <i>European Journal of Human Genetics</i> , 2015, 23, 1216-1222.	2.8	21
43	Effectiveness of surgery for sciatica with disc herniation is not substantially affected by differences in surgical incidences among three countries: results from the Danish, Swedish and Norwegian spine registries. <i>European Spine Journal</i> , 2019, 28, 2562-2571.	2.2	21
44	An international meta-analysis confirms the association of BNC2 with adolescent idiopathic scoliosis. <i>Scientific Reports</i> , 2018, 8, 4730.	3.3	20
45	Polymorphisms in the macrophage migration inhibitory factor gene and bone loss in postmenopausal women. <i>Bone</i> , 2010, 47, 424-429.	2.9	19
46	Exome sequencing in pooled DNA samples to identify maternal pre-eclampsia risk variants. <i>Scientific Reports</i> , 2016, 6, 29085.	3.3	19
47	Predictive outcome factors in the young patient treated with lumbar disc herniation surgery. <i>Journal of Neurosurgery: Spine</i> , 2016, 25, 448-455.	1.7	18
48	Adolescents with and without idiopathic scoliosis have similar self-reported level of physical activity: a cross-sectional study. <i>Scoliosis and Spinal Disorders</i> , 2016, 11, 17.	2.3	18
49	Association Between Vitamin D, Frailty, and Progression of Frailty in Community-Dwelling Older Women. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2019, 104, 6139-6147.	3.6	18
50	Ultrasound of the Phalanges Is Not Related to a Previous Fracture. <i>Journal of Clinical Densitometry</i> , 2002, 5, 159-166.	1.2	17
51	The Relation Between Previous Fractures and Physical Performance in Elderly Women. <i>Archives of Physical Medicine and Rehabilitation</i> , 2006, 87, 914-917.	0.9	17
52	External validity of a population-based study on osteoporosis and fracture. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 85, 433-437.	3.3	17
53	Long-term outcome of fusion for degenerative disc disease in the lumbar spine. <i>Bone and Joint Journal</i> , 2019, 101-B, 1526-1533.	4.4	17
54	Self-Experienced Trunk Appearance in Individuals With and Without Idiopathic Scoliosis. <i>Spine</i> , 2020, 45, 522-527.	2.0	17

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55	CELSR2 is a candidate susceptibility gene in idiopathic scoliosis. PLoS ONE, 2017, 12, e0189591.	2.5	17
56	Whole-Exome Sequencing Suggests <i>LAMB3</i> as a Susceptibility Gene for Morbid Obesity. Diabetes, 2016, 65, 2980-2989.	0.6	16
57	Lumbar disc herniation surgery in adolescents and young adults. Bone and Joint Journal, 2019, 101-B, 1534-1541.	4.4	16
58	Intraoperative cone beam computed tomography is as reliable as conventional computed tomography for identification of pedicle screw breach in thoracolumbar spine surgery. European Radiology, 2021, 31, 2349-2356.	4.5	16
59	Outcome of surgery for degenerative lumbar scoliosis: an observational study using the Swedish Spine register. European Spine Journal, 2018, 27, 622-629.	2.2	15
60	Adults With Idiopathic Scoliosis Diagnosed at Youth Experience Similar Physical Activity and Fracture Rate as Controls. Spine, 2017, 42, E404-E410.	2.0	14
61	Quality of Life in Males and Females With Idiopathic Scoliosis. Spine, 2019, 44, 404-410.	2.0	14
62	Bone health in adolescents with idiopathic scoliosis. Bone and Joint Journal, 2020, 102-B, 268-272.	4.4	14
63	Use of Bone Turnover Markers in Osteoporosis. Clinical Reviews in Bone and Mineral Metabolism, 2010, 8, 1-14.	0.8	13
64	Investigation of rare and low-frequency variants using high-throughput sequencing with pooled DNA samples. Scientific Reports, 2016, 6, 33256.	3.3	13
65	Variation in the MC4R Gene Is Associated with Bone Phenotypes in Elderly Swedish Women. PLoS ONE, 2014, 9, e88565.	2.5	12
66	Just One Look, and Fractures and Death Can Be Predicted in Elderly Ambulatory Women. Gerontology, 2004, 50, 309-314.	2.8	11
67	Seasonal Variation in Bone Density in Postmenopausal Women. Journal of Clinical Densitometry, 2004, 7, 93-100.	1.2	11
68	A multiethnic meta-analysis defined the association of rs12946942 with severe adolescent idiopathic scoliosis. Journal of Human Genetics, 2019, 64, 493-498.	2.3	11
69	Association Between Hypovitaminosis D in Elderly Women and Long- and Short-Term Mortality—Results from the Osteoporotic Prospective Risk Assessment Cohort. Journal of the American Geriatrics Society, 2016, 64, 990-997.	2.6	10
70	Reliability and concurrent validity of postural asymmetry measurement in adolescent idiopathic scoliosis. World Journal of Orthopedics, 2017, 8, 68.	1.8	10
71	Six-Month Results on Treatment Adherence, Physical Activity, Spinal Appearance, Spinal Deformity, and Quality of Life in an Ongoing Randomised Trial on Conservative Treatment for Adolescent Idiopathic Scoliosis (CONTRAIS). Journal of Clinical Medicine, 2021, 10, 4967.	2.4	9
72	Surgical Treatment of Degenerative Disk Disease in Three Scandinavian Countries: An International Register Study Based on Three Merged National Spine Registers. Global Spine Journal, 2019, 9, 850-858.	2.3	8

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73	Inter- and intra-rater reliability of vertebral fracture classifications in the Swedish fracture register. <i>World Journal of Orthopedics</i> , 2019, 10, 14-22.	1.8	8
74	Similar result after non-elective and elective surgery for lumbar disc herniation: an observational study based on the SweSpine register. <i>European Spine Journal</i> , 2016, 25, 1460-1466.	2.2	7
75	Longitudinal Assessment of PTH in Community-Dwelling Older Women—Elevations Are Not Associated With Mortality. <i>Journal of the Endocrine Society</i> , 2017, 1, 615-624.	0.2	7
76	Effectiveness of laminectomy with fusion and laminectomy alone in degenerative cervical myelopathy. <i>European Spine Journal</i> , 2022, 31, 1300-1308.	2.2	7
77	Neck and back problems in adults with idiopathic scoliosis diagnosed in youth: an observational study of prevalence, change over a mean four year time period and comparison with a control group. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 20.	2.3	5
78	Self-Image and Health-Related Quality of Life Three Decades After Fusion In Situ for High-Grade Isthmic Spondylolisthesis. <i>Spine Deformity</i> , 2019, 7, 293-297.	1.5	5
79	Variation in the bone morphogenetic protein-2 gene: effects on fat and lean body mass in young and elderly women. <i>European Journal of Endocrinology</i> , 2008, 158, 661-668.	3.7	4
80	An observational study on surgically treated adult idiopathic scoliosis patients—quality of life outcomes at 1- and 2-year follow-ups and comparison to controls. <i>Scoliosis and Spinal Disorders</i> , 2017, 12, 11.	2.3	4
81	Surgeons—behaviors and beliefs regarding placebo effects in surgery. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, 92, 507-512.	3.3	4
82	Bone Turnover Marker Profiling and Fracture Risk in Older Women: Fracture Risk from Age 75 to 90. <i>Calcified Tissue International</i> , 2022, 111, 288-299.	3.1	4
83	Predictors of persistent postoperative pain after surgery for idiopathic scoliosis. <i>Journal of Children's Orthopaedics</i> , 2021, 15, 458-463.	1.1	3
84	Anterior versus posterior fusion surgery in idiopathic scoliosis: A comparison of health-related quality of life and radiographic outcomes in Lenke 5C curves - results from the Swedish spine registry. <i>Journal of Children's Orthopaedics</i> , 2021, 15, 464-471.	1.1	3
85	The effect of minimally invasive sacroiliac joint fusion compared with sham operation: study protocol of a prospective double-blinded multicenter randomized controlled trial. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2021, , 1-7.	3.3	3
86	Study protocol: The SunBurst trial—a register-based, randomized controlled trial on thoracolumbar burst fractures. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2022, 93, 256-263.	3.3	3
87	Health-related quality of life after posterior vertebral column resection in children: comparison with healthy controls. <i>European Journal of Orthopaedic Surgery and Traumatology</i> , 2022, 32, 899-907.	1.4	2
88	Preventing Idiopathic SCOLiosis PROgression (PRISCOPE): A protocol for a quadruple-blinded, randomized controlled trial comparing 3D designed Boston brace to standard Boston brace. <i>PLoS ONE</i> , 2021, 16, e0255264.	2.5	2
89	Health-Related Quality of Life Outcomes of Instrumented Circumferential Spinal Fusion for Pediatric Spondylolisthesis. <i>Spine</i> , 2020, 45, E1572-E1579.	2.0	2
90	MRI Characteristics at a Mean of Thirteen Years After Lumbar Disc Herniation Surgery in Adolescents. <i>JBJS Open Access</i> , 2021, 6, .	1.5	2

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91	146. Indirect Decompression (X-Stop) versus Conventional Decompressive Surgery for Lumbar Spinal Claudication – A Prospective Randomized Trial. Spine Journal, 2007, 7, 70S.	1.3	1
92	–Erratum to –Osteoporosis and fragility fractures: Vertebral fractures– [Best Practice & Research Clinical Rheumatology 27 (2013) 743–755] –™. Best Practice and Research in Clinical Rheumatology, 2014, 28, 3.3 535.	3.3	1
93	The heritability of coronal and sagittal phenotype in idiopathic scoliosis: a report of 12 monozygotic twin pairs. Spine Deformity, 2021, 9, 51-55.	1.5	1
94	Concomitant cranio-spinal trauma: additional risk from a cerebrovascular injury. Acta Neurochirurgica, 2021, 163, 45-46.	1.7	1
95	A –snap-shot– visual estimation of health and objectively measured frailty: capturing general health in aging older women. Aging Clinical and Experimental Research, 2022, 34, 1663-1671.	2.9	1
96	Idiopathic scoliosis: a systematic review and meta-analysis of heritability. EFORT Open Reviews, 2022, 7, 414-421.	4.1	1
97	CORR Insights®: Curve Progression in Adolescent Idiopathic Scoliosis Does Not Match Skeletal Growth. Clinical Orthopaedics and Related Research, 2018, 476, 437-438.	1.5	0
98	CORR Insights®: Cardiopulmonary Status in Adults with Osteogenesis Imperfecta: Intrinsic Lung Disease May Contribute More Than Scoliosis. Clinical Orthopaedics and Related Research, 2020, 478, 2844-2845.	1.5	0
99	Site-Specific Volumetric Skeletal Changes in Women with a Distal Forearm Fracture. Journal of Osteoporosis, 2021, 2021, 1-7.	0.5	0