

# Dieter Rosenbaum

## List of Publications by Year in descending order

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118  
papers

7,912  
citations

66343

42  
h-index

51608

86  
g-index

120  
all docs

120  
docs citations

120  
times ranked

6915  
citing authors

#	ARTICLE	IF	CITATIONS
1	ISB recommendation on definitions of joint coordinate system of various joints for the reporting of human joint motion—part I: ankle, hip, and spine. <i>Journal of Biomechanics</i> , 2002, 35, 543-548.	2.1	2,491
2	A multi-station proprioceptive exercise program in patients with ankle instability. <i>Medicine and Science in Sports and Exercise</i> , 2001, 33, 1991-1998.	0.4	277
3	The influence of stretching and warm-up exercises on Achilles tendon reflex activity. <i>Journal of Sports Sciences</i> , 1995, 13, 481-490.	2.0	177
4	The Influence of Muscle Fatigue on Electromyogram and Plantar Pressure Patterns as an Explanation for the Incidence of Metatarsal Stress Fractures. <i>American Journal of Sports Medicine</i> , 2004, 32, 1893-1898.	4.2	156
5	Plantar Pressure Distribution Patterns of Young School Children in Comparison to Adults. <i>Foot and Ankle International</i> , 1994, 15, 35-40.	2.3	149
6	Modified pressure distribution patterns in walking following reduction of plantar sensation. <i>Journal of Biomechanics</i> , 2002, 35, 1307-1313.	2.1	147
7	Pressure Distribution Patterns under the Feet of Children in Comparison with Adults. <i>Foot &amp; Ankle</i> , 1991, 11, 306-311.	0.7	146
8	Characteristic Plantar Pressure Distribution Patterns during Soccer-Specific Movements. <i>American Journal of Sports Medicine</i> , 2004, 32, 140-145.	4.2	133
9	Reduced plantar sensation causes a cautious walking pattern. <i>Gait and Posture</i> , 2004, 20, 54-60.	1.4	131
10	Between-day reliability of repeated plantar pressure distribution measurements in a normal population. <i>Gait and Posture</i> , 2008, 27, 706-709.	1.4	126
11	Long distance running increases plantar pressures beneath the metatarsal heads. <i>Gait and Posture</i> , 2008, 27, 152-155.	1.4	122
12	Chronic Achilles Tendinopathy. <i>American Journal of Sports Medicine</i> , 2007, 35, 1659-1667.	4.2	121
13	Early, Full Weightbearing With Flexible Fixation Delays Fracture Healing. <i>Clinical Orthopaedics and Related Research</i> , 1996, 328, 194-202.	1.5	116
14	Level of activity in children undergoing cancer treatment. <i>Pediatric Blood and Cancer</i> , 2009, 53, 438-443.	1.5	116
15	Walking ability during daily life in patients with osteoarthritis of the knee or the hip and lumbar spinal stenosis: a cross sectional study. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 233.	1.9	111
16	Changes in physical activity and health-related quality of life during the first year after total knee arthroplasty. <i>Arthritis Care and Research</i> , 2011, 63, 328-334.	3.4	111
17	Evaluation of early walking patterns from plantar pressure distribution measurements. First year results of 42 children. <i>Gait and Posture</i> , 2004, 19, 235-242.	1.4	107
18	Accelerometry based assessment of gait parameters in children. <i>Gait and Posture</i> , 2006, 24, 482-486.	1.4	105

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19	Functional Evaluation of the 10-Year Outcome after Modified Evans Repair for Chronic Ankle Instability. <i>Foot and Ankle International</i> , 1997, 18, 765-771.	2.3	101
20	Development of healthy children's feetâ€”Nine-year results of a longitudinal investigation of plantar loading patterns. <i>Gait and Posture</i> , 2010, 32, 564-571.	1.4	94
21	Reliability of peroneal reaction time measurements. <i>Clinical Biomechanics</i> , 2000, 15, 21-28.	1.2	89
22	Physical activity and childhood cancer. <i>Pediatric Blood and Cancer</i> , 2010, 54, 501-510.	1.5	89
23	Multistation Proprioceptive Exercise Program Prevents Ankle Injuries in Basketball. <i>Medicine and Science in Sports and Exercise</i> , 2010, 42, 2098-2105.	0.4	88
24	Gait recognition: highly unique dynamic plantar pressure patterns among 104 individuals. <i>Journal of the Royal Society Interface</i> , 2012, 9, 790-800.	3.4	82
25	Comprehensive testing of 10 different ankle braces. <i>Clinical Biomechanics</i> , 2002, 17, 526-535.	1.2	80
26	Biomechanical consequences of a posterior root tear of the lateral meniscus: stabilizing effect of the meniscofemoral ligament. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2013, 133, 621-626.	2.4	80
27	Quantity versus quality of gait and quality of life in patients with osteoarthritis. <i>Gait and Posture</i> , 2008, 28, 74-79.	1.4	76
28	Transfer of tennis racket vibrations onto the human forearm. <i>Medicine and Science in Sports and Exercise</i> , 1992, 24, 1134-1140.	0.4	74
29	Risk of lower limb amputation in a national prevalent cohort of patients with diabetes. <i>Diabetologia</i> , 2018, 61, 626-635.	6.3	69
30	Preliminary normative values for foot loading parameters of the developing child. <i>Gait and Posture</i> , 2007, 26, 238-247.	1.4	64
31	A systematic review of instruments measuring foot function, foot pain, and footâ€”related disability in patients with rheumatoid arthritis. <i>Arthritis and Rheumatism</i> , 2008, 59, 1257-1269.	6.7	63
32	Comparison of selfâ€”reported physical activity in children and adolescents before and during cancer treatment. <i>Pediatric Blood and Cancer</i> , 2014, 61, 1023-1028.	1.5	62
33	Experience of barriers and motivations for physical activities and exercise during treatment of pediatric patients with cancer. <i>Pediatric Blood and Cancer</i> , 2014, 61, 1632-1637.	1.5	60
34	Pedographic, Clinical, and Functional Outcome after Scarf Osteotomy. <i>Clinical Orthopaedics and Related Research</i> , 2006, 451, 161-166.	1.5	55
35	EFAS Score â€” Multilingual development and validation of a patient-reported outcome measure (PROM) by the score committee of the European Foot and Ankle Society (EFAS). <i>Foot and Ankle Surgery</i> , 2018, 24, 185-204.	1.7	55
36	Tenodesis Versus Carbon Fiber Repair of Ankle Ligaments. <i>Clinical Orthopaedics and Related Research</i> , 1996, 325, 194-202.	1.5	51

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37	From "first" to "last" steps in life " Pressure patterns of three generations. <i>Clinical Biomechanics</i> , 2009, 24, 676-681.	1.2	50
38	Pedobarographic Analysis Following Ponseti Treatment for Congenital Clubfoot. <i>Clinical Orthopaedics and Related Research</i> , 2009, 467, 1223-1230.	1.5	49
39	The effects of rocker sole and SACH heel on kinematics in gait. <i>Medical Engineering and Physics</i> , 2004, 26, 639-646.	1.7	48
40	Changes in gait pattern and early functional results after ACL repair are comparable to those of ACL reconstruction. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2018, 26, 374-380.	4.2	45
41	Clinical and Functional Outcome After Anatomic and Nonanatomic Ankle Ligament Reconstruction: Evans Tenodesis Versus Periosteal Flap. <i>Foot and Ankle International</i> , 1999, 20, 636-639.	2.3	43
42	12-Year Outcome After Modified Watson-Jones Tenodesis for Ankle Instability. <i>Clinical Orthopaedics and Related Research</i> , 1999, 358, 194-204.	1.5	43
43	Objective assessment of physical activity and sedentary behaviour in knee osteoarthritis patients " beyond daily steps and total sedentary time. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 64.	1.9	43
44	Assessment of foot impairment in rheumatoid arthritis patients by dynamic pedobarography. <i>Gait and Posture</i> , 2008, 27, 110-114.	1.4	42
45	Gait symmetry improves in childhood " A 4-year follow-up of foot loading data. <i>Gait and Posture</i> , 2010, 32, 464-468.	1.4	41
46	Sports Activities and Endurance Capacity of Bone Tumor Patients After Rotationplasty. <i>Archives of Physical Medicine and Rehabilitation</i> , 2007, 88, 885-890.	0.9	40
47	Motor performance in children and adolescents with cancer at the end of acute treatment phase. <i>European Journal of Pediatrics</i> , 2015, 174, 791-799.	2.7	40
48	International scientific consensus on medical plantar pressure measurement devices: technical requirements and performance. <i>Annali Dell'Istituto Superiore Di Sanita</i> , 2012, 48, 259-271.	0.4	38
49	Analysis of pressure distribution below the metatarsals with different insoles in combat boots of the German Army for prevention of march fractures. <i>Gait and Posture</i> , 2008, 27, 535-538.	1.4	37
50	Physical activity and health-related quality of life in pediatric cancer patients following a 4-week inpatient rehabilitation program. <i>Supportive Care in Cancer</i> , 2016, 24, 3793-3802.	2.2	37
51	Gender-Specific Differences of the Foot During the First Year of Walking. <i>Foot and Ankle International</i> , 2004, 25, 582-587.	2.3	35
52	Correlations between the step activity monitor and the DynaPort ADL-monitor. <i>Clinical Biomechanics</i> , 2004, 19, 91-94.	1.2	35
53	The effect of individualized exercise interventions during treatment in pediatric patients with a malignant bone tumor. <i>Supportive Care in Cancer</i> , 2013, 21, 1629-1636.	2.2	35
54	The Main Function of Ankle Braces is to Control the Joint Position before Landing. <i>Foot and Ankle International</i> , 2003, 24, 263-268.	2.3	34

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55	Effects of changes in plantar sensory feedback on human gait characteristics: a systematic review. <i>Footwear Science</i> , 2012, 4, 1-22.	2.1	34
56	Gait Pattern Analysis after Ankle Ligament Reconstruction (Modified Evans Procedure). <i>Foot and Ankle International</i> , 1994, 15, 477-482.	2.3	33
57	Quality of Survivorship in a Rare Disease: Clinicofunctional Outcome and Physical Activity in an Observational Cohort Study of 618 Long-Term Survivors of Ewing Sarcoma. <i>Journal of Clinical Oncology</i> , 2017, 35, 1704-1712.	1.6	33
58	The influence of external ankle braces on subjective and objective parameters of performance in a sports-related agility course. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2005, 13, 419-425.	4.2	32
59	Step activity monitoring in lumbar stenosis patients undergoing decompressive surgery. <i>European Spine Journal</i> , 2010, 19, 1855-1864.	2.2	32
60	Calcaneal fractures cause a lateral load shift in Chopart joint contact stress and plantar pressure pattern in vitro. <i>Journal of Biomechanics</i> , 1996, 29, 1435-1443.	2.1	30
61	Cluster analysis to classify gait alterations in rheumatoid arthritis using peak pressure curves. <i>Gait and Posture</i> , 2009, 29, 220-224.	1.4	30
62	Prospective evaluation of physical activity in patients with idiopathic scoliosis or kyphosis receiving brace treatment. <i>European Spine Journal</i> , 2011, 20, 1127-1136.	2.2	28
63	Vacuum cushioned removable cast walkers reduce foot loading in patients with diabetes mellitus. <i>Gait and Posture</i> , 2009, 30, 11-15.	1.4	27
64	Foot loading patterns can be changed by deliberately walking with in-toeing or out-toeing gait modifications. <i>Gait and Posture</i> , 2013, 38, 1067-1069.	1.4	24
65	Gait and function as tools for the assessment of fracture repair – The role of movement analysis for the assessment of fracture healing. <i>Injury</i> , 2014, 45, S39-S43.	1.7	24
66	Comparisons of foot anthropometry and plantar arch indices between German and Brazilian children. <i>BMC Pediatrics</i> , 2015, 15, 4.	1.7	24
67	One in Four Questioned Children Faces Problems Regarding Reintegration Into Physical Education at School After Treatment for Pediatric Cancer. <i>Pediatric Blood and Cancer</i> , 2016, 63, 737-739.	1.5	23
68	LONG-TERM RESULTS OF THE MODIFIED EVANS REPAIR FOR CHRONIC ANKLE INSTABILITY. <i>Orthopedics</i> , 1996, 19, 451-455.	1.1	23
69	Rotationplasty Type B IIIa According to Winkelmann. <i>Clinical Orthopaedics and Related Research</i> , 2001, 384, 224-231.	1.5	22
70	First Ray Resection Arthroplasty versus Arthrodesis in the Treatment of the Rheumatoid Foot. <i>Foot and Ankle International</i> , 2011, 32, 589-594.	2.3	22
71	Clinical and functional results after the rehabilitation period in minimally-invasive unicompartmental knee arthroplasty patients. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2005, 13, 179-186.	4.2	21
72	Passive Stability Characteristics of Ankle Braces and Tape in Simulated Barefoot and Shod Conditions. <i>American Journal of Sports Medicine</i> , 2007, 35, 282-287.	4.2	21

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73	Long distance running and acute effects on plantar foot sensitivity and plantar foot loading. <i>Neuroscience Letters</i> , 2011, 503, 58-62.	2.1	21
74	Single leg balancing in ballet: Effects of shoe conditions and poses. <i>Gait and Posture</i> , 2013, 37, 419-423.	1.4	21
75	Objectively measured versus self-reported physical activity in children and adolescents with cancer. <i>PLoS ONE</i> , 2017, 12, e0172216.	2.5	21
76	Dynamic foot function and morphology in elite rugby league athletes of different ethnicity. <i>Applied Ergonomics</i> , 2009, 40, 554-559.	3.1	20
77	Current Physical Activity Monitors in Hip and Knee Osteoarthritis: A Review. <i>Arthritis Care and Research</i> , 2017, 69, 1460-1466.	3.4	20
78	Changes of gait patterns and muscle activity after intraarticular treatment of patients with osteoarthritis of the knee. <i>Knee</i> , 2009, 16, 466-472.	1.6	19
79	An anatomically unbiased foot template for inter-subject plantar pressure evaluation. <i>Gait and Posture</i> , 2011, 33, 418-422.	1.4	19
80	Early decrements in bone density after completion of neoadjuvant chemotherapy in pediatric bone sarcoma patients. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 287.	1.9	18
81	Effect of gait speed changes on foot loading characteristics in children. <i>Gait and Posture</i> , 2013, 38, 1058-1060.	1.4	18
82	Acute and mid-term (six-week) effects of an ankle-foot-orthosis on biomechanical parameters, clinical outcomes and physical activity in knee osteoarthritis patients with varus malalignment. <i>Gait and Posture</i> , 2018, 62, 297-302.	1.4	17
83	Feasibility and effects of a home-based intervention using activity trackers on achievement of individual goals, quality of life and motor performance in patients with paediatric cancer. <i>BMJ Open Sport and Exercise Medicine</i> , 2018, 4, e000322.	2.9	17
84	Footwear and Foam Surface Alter Gait Initiation of Typical Subjects. <i>PLoS ONE</i> , 2015, 10, e0135821.	2.5	17
85	Is there a need of custom-made prostheses for total hip arthroplasty? Gait analysis, clinical and radiographic analysis of customized femoral components. <i>Archives of Orthopaedic and Trauma Surgery</i> , 2009, 129, 267-274.	2.4	16
86	Arthroscopic Fixation of Matrix-Associated Autologous Chondrocyte Implantation: Importance of Fixation Pin Angle on Joint Compression Forces. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2011, 27, 809-816.	2.7	16
87	Foot loading characteristics during three fencing-specific movements. <i>Journal of Sports Sciences</i> , 2011, 29, 1585-1592.	2.0	16
88	Clinical outcome and physical activity measured with StepWatch 3â„¢ Activity Monitor after minimally invasive total hip arthroplasty. <i>Journal of Orthopaedic Surgery and Research</i> , 2018, 13, 148.	2.3	16
89	Lower limb amputee gait characteristics on a specifically designed test ramp: Preliminary results of a biomechanical comparison of two prosthetic foot concepts. <i>Gait and Posture</i> , 2019, 68, 161-167.	1.4	16
90	Proprioception with bicondylar sledge prostheses retaining cruciate ligaments. <i>Clinical Orthopaedics and Related Research</i> , 2003, , 148-54.	1.5	16

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91	Changes in talocrural joint contact stress characteristics after simulated rotationplasty. <i>Journal of Biomechanics</i> , 2003, 36, 81-86.	2.1	15
92	Plantar and dorsal foot loading measurements in patients after rotationplasty. <i>Clinical Biomechanics</i> , 2000, 15, 359-364.	1.2	14
93	Gait analysis and electromyography in fixed- and mobile-bearing total knee replacement: a prospective, comparative study. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2011, 19, 2052-2059.	4.2	14
94	Motor Performance After Treatment for Pediatric Bone Tumors. <i>Journal of Pediatric Hematology/Oncology</i> , 2015, 37, 509-514.	0.6	14
95	In-shoe plantar pressure distribution and lower extremity muscle activity patterns of backward compared to forward running on a treadmill. <i>Gait and Posture</i> , 2016, 46, 135-141.	1.4	13
96	Acute effects of different orthotic interventions on knee loading parameters in knee osteoarthritis patients with varus malalignment. <i>Knee</i> , 2018, 25, 825-833.	1.6	13
97	Are diurnal changes in foot sole sensation dependent on gait activity?. <i>Neuroscience Letters</i> , 2011, 504, 247-251.	2.1	12
98	Biomechanical Comparison of 3 Ankle Braces With and Without Free Rotation in the Sagittal Plane. <i>Journal of Athletic Training</i> , 2014, 49, 608-616.	1.8	12
99	Prospective Evaluation of Postural Control and Gait in Pediatric Patients with Cancer After a 4-Week Inpatient Rehabilitation Program. <i>American Journal of Physical Medicine and Rehabilitation</i> , 2017, 96, 646-653.	1.4	11
100	Effects of the Twin Shoe (Darco) to compensate height differences in normal gait. <i>Gait and Posture</i> , 2011, 33, 61-65.	1.4	10
101	Pedobarography as a clinical tool in the management of diabetic feet in New Zealand: a feasibility study. <i>Journal of Foot and Ankle Research</i> , 2017, 10, 24.	1.9	10
102	Pediatric patients with a malignant bone tumor: when does functional assessment make sense?. <i>Supportive Care in Cancer</i> , 2012, 20, 127-133.	2.2	9
103	Cold versus cold compression therapy after shoulder arthroscopy: a prospective randomized clinical trial. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2016, 24, 2209-2215.	4.2	9
104	Correspondence Letter. <i>Journal of Biomechanics</i> , 2003, 36, 303-304.	2.1	8
105	Adaptation and crosscultural validation of the foot impact scale for rheumatoid arthritis using Rasch analysis. <i>Arthritis Care and Research</i> , 2012, 64, 986-992.	3.4	7
106	Effects of a fatiguing long-distance run on plantar loading during barefoot walking and shod running. <i>Footwear Science</i> , 2016, 8, 129-137.	2.1	7
107	Preliminary results after total knee arthroplasty without femoral trochlea: evaluation of clinical results, quality of life and gait function. <i>Knee Surgery, Sports Traumatology, Arthroscopy</i> , 2005, 13, 664-669.	4.2	6
108	Objective assessment of brace wear times and physical activities in two patients with scoliosis / Objektive Erfassung von Korsetttragezeiten und Alltagsaktivität bei zwei Patienten mit idiopathischer Skoliose. <i>Biomedizinische Technik</i> , 2010, 55, 117-120.	0.8	6

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109	Acute effects of whole body vibration on foot sole sensitivity and plantar pressures during gait initiation. Journal of Foot and Ankle Research, 2012, 5, .	1.9	1
110	Letter to the Editor: Do Activity Levels Increase After Total Hip and Knee Arthroplasty?. Clinical Orthopaedics and Related Research, 2014, 472, 2889-2890.	1.5	1
111	Qualitative and Quantitative Aspects of Movement: The Discrepancy Between Clinical Gait Analysis and Activities of Daily Life. Computational Imaging and Vision, 2008, , 401-415.	0.6	0
112	Influence of long-distance running on plantar pressure pattern. Clinical Biomechanics, 2008, 23, 685-686.	1.2	0
113	Improvement of the Soft Socket after Rotationplasty. Prosthetics and Orthotics International, 2009, 33, 10-16.	1.0	0
114	International Foot and Ankle Biomechanics Community (iâ€FAB): past, present and beyond. Journal of Foot and Ankle Research, 2009, 2, 19.	1.9	0
115	Functional and clinical long-term outcome of Ewing sarcoma treatment*.. Journal of Clinical Oncology, 2015, 33, 10529-10529.	1.6	0
116	Assessing Pediatric Foot Deformities by Pedobarography. , 2016, , 1-15.		0
117	Long-term outcome of patients with lower extremity Ewing sarcoma.. Journal of Clinical Oncology, 2017, 35, 117-117.	1.6	0
118	Assessing Pediatric Foot Deformities by Pedobarography. , 2018, , 711-725.		0