

# Veronique Feipel

## List of Publications by Year in descending order

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114  
papers

1,564  
citations

279798

23  
h-index

395702

33  
g-index

126  
all docs

126  
docs citations

126  
times ranked

1420  
citing authors

#	ARTICLE	IF	CITATIONS
1	Normal global motion of the cervical spine: Clinical Biomechanics, 1999, 14, 462-470.	1.2	130
2	Three-dimensional motion patterns of the carpal bones: an in vivo study using three-dimensional computed tomography and clinical applications. Surgical and Radiologic Anatomy, 1999, 21, 125-131.	1.2	57
3	Three-dimensional kinematics of the lumbar spine during treadmill walking at different speeds. European Spine Journal, 2001, 10, 16-22.	2.2	54
4	Head Repositioning Accuracy in Patients With Whiplash-Associated Disorders. Spine, 2006, 31, E51-E58.	2.0	52
5	A wearable inertial system to assess the cervical spine mobility: Comparison with an optoelectronic-based motion capture evaluation. Medical Engineering and Physics, 2014, 36, 49-56.	1.7	49
6	The use of disharmonic motion curves in problems of the cervical spine. International Orthopaedics, 1999, 23, 205-209.	1.9	47
7	Analysis of helical axes, pivot and envelope in active wrist circumduction. Clinical Biomechanics, 2000, 15, 103-111.	1.2	41
8	In vivo thorax 3D modelling from costovertebral joint complex kinematics. Clinical Biomechanics, 2014, 29, 434-438.	1.2	40
9	Sonography detection threshold for knee effusion. Clinical Rheumatology, 2003, 22, 391-392.	2.2	37
10	Global 3D head-trunk kinematics during cervical spine manipulation at different levels. Clinical Biomechanics, 2003, 18, 827-831.	1.2	33
11	The capsular ligaments of the wrist: morphology, morphometry and clinical applications. Surgical and Radiologic Anatomy, 1999, 21, 175-180.	1.2	31
12	In vitro 3D-kinematics of the upper cervical spine: helical axis and simulation for axial rotation and flexion extension. Surgical and Radiologic Anatomy, 2010, 32, 141-151.	1.2	31
13	Radiocapitellar joint contacts after bipolar radial head arthroplasty. Journal of Shoulder and Elbow Surgery, 2010, 19, 230-235.	2.6	29
14	Evaluation of a transpedicular drill guide for pedicle screw placement in the thoracic spine. European Spine Journal, 2003, 12, 542-547.	2.2	28
15	Clinical and goniometric evaluation of patients with spasmodic torticollis. Clinical Biomechanics, 2006, 21, 323-329.	1.2	26
16	Biomechanical properties of triceps brachii tendon after in vitro simulation of different posterior surgical approaches. Journal of Shoulder and Elbow Surgery, 2007, 16, 849-853.	2.6	26
17	A novel method for in-vivo evaluation of finger kinematics including definition of healthy motion patterns. Clinical Biomechanics, 2016, 31, 47-58.	1.2	26
18	Pregnancy and pelvic girdle pain: Analysis of pelvic belt on pain. Journal of Clinical Nursing, 2018, 27, e129-e137.	3.0	26

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19	Calibration and validation of 6 DOFs instrumented spatial linkage for biomechanical applications. A practical approach. <i>Medical Engineering and Physics</i> , 2004, 26, 251-260.	1.7	25
20	The lacertus fibrosus of the biceps brachii muscle: an anatomical study. <i>Surgical and Radiologic Anatomy</i> , 2014, 36, 713-9.	1.2	25
21	Low-dose computed tomography: A solution for in vivo medical imaging and accurate patient-specific 3D bone modeling?. <i>Clinical Biomechanics</i> , 2006, 21, 992-998.	1.2	24
22	Musculoskeletal Modeling of the Suboccipital Spine. <i>Spine</i> , 2011, 36, E413-E422.	2.0	24
23	Head repositioning accuracy in patients with neck pain and asymptomatic subjects: concurrent validity, influence of motion speed, motion direction and target distance. <i>European Spine Journal</i> , 2015, 24, 2885-2891.	2.2	24
24	Effect of neurodynamic mobilization on fluid dispersion in median nerve at the level of the carpal tunnel: A cadaveric study. <i>Musculoskeletal Science and Practice</i> , 2017, 31, 45-51.	1.3	24
25	Postero-anterior radiography of the wrist. Normal database of carpal measurements. <i>Surgical and Radiologic Anatomy</i> , 1998, 20, 221-6.	1.2	24
26	Hip muscle strength and endurance in females with patellofemoral pain: a systematic review with meta-analysis. <i>International Journal of Sports Physical Therapy</i> , 2014, 9, 564-82.	1.3	23
27	Development of multimedia learning modules for teaching human anatomy: Application to osteology and functional anatomy. <i>The Anatomical Record</i> , 2003, 272B, 98-106.	1.8	22
28	Automated functional upper limb evaluation of patients with Friedreich ataxia using serious games rehabilitation exercises. <i>Journal of NeuroEngineering and Rehabilitation</i> , 2018, 15, 87.	4.6	22
29	The proximal attachments of the popliteus muscle: a quantitative study and clinical significance. <i>Surgical and Radiologic Anatomy</i> , 2003, 25, 58-63.	1.2	21
30	Development of kinematics tests for the evaluation of lumbar proprioception and equilibration. <i>Clinical Biomechanics</i> , 2003, 18, 612-618.	1.2	21
31	Postero-anterior radiography of the wrist normal database of carpal measurements. <i>Surgical and Radiologic Anatomy</i> , 1998, 20, 221-226.	1.2	20
32	In Vivo Registration of Both Electrogoniometry and Medical Imaging: Development and Application on the Ankle Joint Complex. <i>IEEE Transactions on Biomedical Engineering</i> , 2006, 53, 759-762.	4.2	20
33	Effects of proximal row carpectomy on wrist biomechanics: A cadaveric study. <i>Clinical Biomechanics</i> , 2011, 26, 718-724.	1.2	19
34	The Use of Mobile Games to Assess Cognitive Function of Elderly with and without Cognitive Impairment. <i>Journal of Alzheimer's Disease</i> , 2018, 64, 1285-1293.	2.6	19
35	Relationship between costovertebral joint kinematics and lung volume in supine humans. <i>Respiratory Physiology and Neurobiology</i> , 2016, 232, 57-65.	1.6	18
36	Hip abductor, trunk extensor and ankle plantar flexor endurance in females with and without patellofemoral pain. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2017, 30, 299-307.	1.1	18

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37	Electromyogram and kinematic analysis of lateral bending in idiopathic scoliosis patients. <i>Medical and Biological Engineering and Computing</i> , 2002, 40, 497-505.	2.8	16
38	The Capsular Ligaments of the Wrists. <i>European Journal of Morphology</i> , 1997, 35, 87-94.	0.8	15
39	Isokinetic assessment of hip muscle concentric strength in normal subjects: A reproducibility study. <i>Isokinetics and Exercise Science</i> , 2005, 13, 129-137.	0.4	14
40	Effect of a general osteopathic treatment on body satisfaction, global self perception and anxiety: A randomized trial in asymptomatic female students. <i>International Journal of Osteopathic Medicine</i> , 2014, 17, 94-101.	1.0	13
41	Bi- and three-dimensional CT study of carpal bone motion occurring in lateral deviation. <i>Surgical and Radiologic Anatomy</i> , 1992, 14, 341-348.	1.2	12
42	Foot roll-over evaluation based on 3D dynamic foot scan. <i>Gait and Posture</i> , 2014, 39, 577-582.	1.4	12
43	In vitro biomechanical study of femoral torsion disorders: Effect on femoro-tibial kinematics. <i>Clinical Biomechanics</i> , 2012, 27, 1011-1016.	1.2	11
44	In-vivo analysis of sternal angle, sternal and sternocostal kinematics in supine humans during breathing. <i>Journal of Biomechanics</i> , 2017, 64, 32-40.	2.1	11
45	Postero-anterior radiography of the wrist: scapholunate ratios and joint projection shape analysis. <i>Surgical and Radiologic Anatomy</i> , 1999, 21, 207-213.	1.2	10
46	Objective evaluation of cervical spine mobility after surgery during free-living activity. <i>Clinical Biomechanics</i> , 2013, 28, 364-369.	1.2	10
47	Effect of anatomical landmark perturbation on mean helical axis parameters of in vivo upper costovertebral joints. <i>Journal of Biomechanics</i> , 2015, 48, 534-538.	2.1	10
48	A new method for measuring wrist-joint ligament length changes during sagittal and frontal motion. <i>Clinical Biomechanics</i> , 1998, 13, 128-137.	1.2	9
49	Kinematics of the upper cervical spine during high velocity-low amplitude manipulation. Analysis of intra- and inter-operator reliability for pre-manipulation positioning and impulse displacements. <i>Journal of Electromyography and Kinesiology</i> , 2014, 24, 621-627.	1.7	9
50	Assessment of cervical stiffness in axial rotation among chronic neck pain patients: A trial in the framework of a non-manipulative osteopathic management. <i>Clinical Biomechanics</i> , 2018, 53, 65-71.	1.2	9
51	Consequences of Female Genital Mutilation on Women's Sexual Health – Systematic Review and Meta-Analysis. <i>Journal of Sexual Medicine</i> , 2021, 18, 750-760.	0.6	9
52	Development and use of the strain gauge for study the constraint of tibio-femoral joint in dynamic movement: Feasibility and first results. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2005, 8, 259-260.	1.6	8
53	In vitro biomechanical study of femoral torsion disorders: Effect on moment arms of thigh muscles. <i>Clinical Biomechanics</i> , 2013, 28, 187-192.	1.2	8
54	Plantar Pressure During Gait in Pregnant Women. <i>Journal of the American Podiatric Medical Association</i> , 2016, 106, 398-405.	0.3	8

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55	Joint contact areas after radial head arthroplasty: a comparative study of 3 prostheses. <i>Journal of Shoulder and Elbow Surgery</i> , 2019, 28, 1546-1553.	2.6	8
56	Kinematics of the Lumbar Spine During Classic Ballet Postures. <i>Medical Problems of Performing Artists</i> , 2004, 19, 174-180.	0.4	8
57	Temporal and spatial parameters of gait during pregnancy. <i>Acta of Bioengineering and Biomechanics</i> , 2015, 17, 93-101.	0.4	8
58	Postero-anterior radiography of the wrist: Normal database of carpal measurements. <i>Surgical and Radiologic Anatomy</i> , 1998, 20, 221-226.	1.2	7
59	Validation protocol for assessing the upper cervical spine kinematics and helical axis: An in vivo preliminary analysis for axial rotation, modeling, and motion representation. <i>Journal of Craniovertebral Junction and Spine</i> , 2013, 4, 10.	0.8	7
60	Tendon and fascial structure contributions to knee muscle excursions and knee joint displacement. <i>Clinical Biomechanics</i> , 2014, 29, 1070-1076.	1.2	7
61	Global and regional kinematics of the cervical spine during upper cervical spine manipulation: A reliability analysis of 3D motion data. <i>Manual Therapy</i> , 2014, 19, 472-477.	1.6	7
62	Triceps, quadriceps or penticeps femoris? Need for proper muscle definition. <i>Morphologie</i> , 2020, 104, 77-84.	0.9	7
63	TEST-RETEST RELIABILITY OF TWO CLINICAL TESTS FOR THE ASSESSMENT OF HIP ABDUCTOR ENDURANCE IN HEALTHY FEMALES. <i>International Journal of Sports Physical Therapy</i> , 2016, 11, 24-33.	1.3	7
64	Electrogoniometric and radiologic evaluation of scapho-trapezo-trapezoid arthrodesis. <i>Hand Clinics</i> , 2003, 19, 411-419.	1.0	6
65	Influence of movement speed on cervical range of motion. <i>European Spine Journal</i> , 2014, 23, 1688-93.	2.2	6
66	A portable system for foot biomechanical analysis during gait. <i>Gait and Posture</i> , 2014, 40, 420-428.	1.4	6
67	Evaluation of cognitive functions of aged patients using video games. , 2016, , .		6
68	3D motion reliability of occipital condylar glide testing: From concept to kinematics evidence. <i>Manual Therapy</i> , 2016, 21, 159-164.	1.6	6
69	Assessment of in vivo 3D kinematics of cervical spine manipulation: Influence of practitioner experience and occurrence of cavitation noise. <i>Musculoskeletal Science and Practice</i> , 2017, 28, 18-24.	1.3	6
70	Metatarsal arch deformation and forefoot kinematics during gait in asymptomatic subjects. <i>International Biomechanics</i> , 2019, 6, 75-84.	1.0	6
71	The influence of cognitive load on static balance in chronic obstructive pulmonary disease patients. <i>Clinical Respiratory Journal</i> , 2021, 15, 351-357.	1.6	6
72	Biomechanics of the upper cervical spine ligaments in axial rotation and flexion-extension: Considerations into the clinical framework. <i>Journal of Craniovertebral Junction and Spine</i> , 2020, 11, 217.	0.8	6

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73	The use of medical imaging-based kinematic analysis in the evaluation of wrist function and outcome. <i>Hand Clinics</i> , 2003, 19, 401-409.	1.0	5
74	Motion representation of the long fingers: A proposal for the definitions of new anatomical frames. <i>Journal of Biomechanics</i> , 2014, 47, 1299-1306.	2.1	5
75	Pregnancy and Pelvic Girdle Pain. <i>Journal of the American Podiatric Medical Association</i> , 2017, 107, 299-306.	0.3	5
76	The use of cognitive mobile games to assess the interaction of cognitive function and breath-hold. <i>Respiratory Physiology and Neurobiology</i> , 2020, 274, 103359.	1.6	5
77	Involvement of the Anterior Portion of the Subacromial-Subdeltoid Bursa in the Painful Shoulder. <i>American Journal of Roentgenology</i> , 2006, 187, 894-900.	2.2	4
78	Arthrodesis of the wrist with bone autograft and Hoffmann external fixation. <i>Journal of Hand Surgery: European Volume</i> , 2012, 37, 149-154.	1.0	4
79	The Effect of Humerus Diaphyseal Shortening on Brachial Plexus Tension: A Cadaver Study. <i>Journal of Hand Surgery</i> , 2015, 40, 303-307.	1.6	4
80	Head-Trunk Kinematics During High-Velocity“Low-Amplitude Manipulation of the Cervical Spine in Asymptomatic Subjects: Helical Axis Computation and Anatomic Motion Modeling. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2015, 38, 416-424.	0.9	4
81	Validation of the Wii Balance Board to assess balance modifications induced by increased respiratory loads in healthy subjects. <i>Gait and Posture</i> , 2019, 68, 449-452.	1.4	4
82	Percutaneous Sonographically Guided Release of Carpal Tunnel and Trigger Finger: Biomechanics, Clinical Results, Technical Developments. <i>Hand Clinics</i> , 2022, 38, 91-100.	1.0	4
83	‘Coupled motions’ in cervical spine rotation can be misleading by A.L. Hof, C.L. Koerhuis and J.C. Winters. <i>Clinical Biomechanics</i> , 2001, 16, 456-458.	1.2	3
84	No effects of cervical spine motion on cranial dura mater strain. <i>Clinical Biomechanics</i> , 2003, 18, 389-392.	1.2	3
85	Use of embedded strain gages for the in-vitro study of proximal tibial cancellous bone deformation during knee flexion-extension movement: development, reproducibility and preliminary results of feasibility after frontal low femoral osteotomy. <i>Journal of Orthopaedic Surgery and Research</i> , 2011, 6, 12.	2.3	3
86	In vitro biomechanical study of femoral torsion disorders: effect on tibial proximal epiphyseal cancellous bone deformation. <i>Surgical and Radiologic Anatomy</i> , 2011, 33, 439-449.	1.2	3
87	Relationship Between Subjective Experience of Individuals, Practitioner Seniority, Cavitation Occurrence, and 3-Dimensional Kinematics During Cervical Spine Manipulation. <i>Journal of Manipulative and Physiological Therapeutics</i> , 2017, 40, 643-648.	0.9	3
88	Morphometric changes of the cervical intervertebral foramen: A comparative analysis of pre-manipulative positioning and physiological axial rotation. <i>Musculoskeletal Science and Practice</i> , 2018, 34, 97-102.	1.3	3
89	Effects of non-manipulative osteopathic management in addition to physical therapy and rehabilitation on clinical outcomes of ankylosing spondylitis patients: A preliminary randomized clinical trial. <i>Journal of Bodywork and Movement Therapies</i> , 2020, 24, 51-56.	1.2	3
90	The biomechanical role of the lacertus fibrosus of the biceps brachii Muscle. <i>Surgical and Radiologic Anatomy</i> , 2021, 43, 1587-1594.	1.2	3

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91	How different are the Kebara 2 ribs to modern humans?. Journal of Anthropological Sciences, 2017, 95, 183-201.	0.4	3
92	3D muscle moment arms using musculoskeletal modelling of the upper cervical spine. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 83-84.	1.6	2
93	Pelvic belts and pregnancy-related pelvic girdle pain: influence on temporal and spatial gait parameters. International Biomechanics, 2018, 5, 104-112.	1.0	2
94	Reaction Force Magnitude and Orientation During Supine Thoracic Spine Thrust Manipulation: An Exploratory Analysis and Reliability of Preload and Impulse Phase. Journal of Manipulative and Physiological Therapeutics, 2020, 43, 597-605.	0.9	2
95	Gracilis and semitendinosus moment arm decreased by fascial tissue release after hamstring harvesting surgery: a key parameter to understand the peak torque obtained to a shallow angle of the knee. Surgical and Radiologic Anatomy, 2021, 43, 1647-1657.	1.2	2
96	Upper cervical spine modelling:in-vitro3D kinematics and helical axis estimation. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 87-88.	1.6	1
97	Head repositioning accuracy in patients with whiplash-associated disorders. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 97-98.	1.6	1
98	Cervical spine motions during mandible depression. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 85-86.	1.6	1
99	Minimalist running: evolution of spatiotemporal parameters and plantar pressure following a training of specific running technique in novice subjects. Footwear Science, 2017, 9, S7-S9.	2.1	1
100	The use of cognitive mobile games to assess cognitive function of healthy subjects under various inspiratory loads. Medicine in Novel Technology and Devices, 2019, 1, 100005.	1.6	1
101	Plantar Pressure During Gait in Pregnancy-Related Pelvic Girdle Pain and the Influence of Pelvic Belts. Journal of Prosthetics and Orthotics, 2019, 31, 199-206.	0.4	1
102	In vitro 50 Hz magnetic field long-term exposure: Cytogenetic tests on human lymphoblastoid TK6 cells and validation of the test environment. MethodsX, 2020, 7, 101071.	1.6	1
103	Morphometric analysis of the costal facet of the thoracic vertebrae. Anatomical Science International, 2020, 95, 478-488.	1.0	1
104	“When two make less than one”: Exploratory study of an weight illusion. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 247-248.	1.6	0
105	In vivokinematics of human wrist joints: Combination of medical imaging and three-dimensional electrogoniometry. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 249-250.	1.6	0
106	Biomechanical properties of triceps brachii tendon afterin vitrosimulation of different posterior surgical approaches. Computer Methods in Biomechanics and Biomedical Engineering, 2005, 8, 125-126.	1.6	0
107	Analysis of the influence of various types and positions of pelvic belts on gait parameters in pregnant women with pelvic pain. Physiotherapy Practice and Research, 2019, 40, 127-133.	0.1	0
108	Effects of humeral shortening on the three-dimensional configuration of the brachial plexus: a cadaveric study. Journal of Hand Surgery: European Volume, 2019, 44, 632-639.	1.0	0

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109	Investigation of reaction force magnitude and orientation during supine thoracic thrust manipulation applied to intervertebral and costovertebral regions.. Musculoskeletal Science and Practice, 2020, 49, 102217.	1.3	0
110	RELIABILITY AND VALIDITY OF THE HIP ABDUCTOR ISOMETRIC ENDURANCE TEST: A NEW METHOD TO ASSESS THE ENDURANCE OF THE HIP ABDUCTORS. International Journal of Sports Physical Therapy, 2020, 15, 238-245.	1.3	0
111	RELIABILITY AND VALIDITY OF THE HIP ABDUCTOR ISOMETRIC ENDURANCE TEST: A NEW METHOD TO ASSESS THE ENDURANCE OF THE HIP ABDUCTORS. International Journal of Sports Physical Therapy, 2020, 15, 238-245.	1.3	0
112	Center of plantar pressure during gait in pregnancy-related pelvic girdle pain and the effect of pelvic belts. Acta of Bioengineering and Biomechanics, 2018, 20, 69-76.	0.4	0
113	Anatomical study of paratenons and fascia lata connections in the posteromedial knee region. Surgical and Radiologic Anatomy, 2022, , 1.	1.2	0
114	Digitization of three-dimensional spine curvature profile in adolescent idiopathic scoliosis using anatomical palpation. Computer Methods in Biomechanics and Biomedical Engineering: Imaging and Visualization, 2023, 11, 467-475.	1.9	0