

# Teppo L N Järvinen

## List of Publications by Year in descending order

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121  
papers

9,518  
citations

47006

47  
h-index

37204

96  
g-index

128  
all docs

128  
docs citations

128  
times ranked

8550  
citing authors

#	ARTICLE	IF	CITATIONS
1	Prevention of falls and consequent injuries in elderly people. <i>Lancet, The</i> , 2005, 366, 1885-1893.	13.7	913
2	Muscle Injuries. <i>American Journal of Sports Medicine</i> , 2005, 33, 745-764.	4.2	905
3	Arthroscopic Partial Meniscectomy versus Sham Surgery for a Degenerative Meniscal Tear. <i>New England Journal of Medicine</i> , 2013, 369, 2515-2524.	27.0	694
4	The Fixation Strength of Six Hamstring Tendon Graft Fixation Devices in Anterior Cruciate Ligament Reconstruction: Part I: Femoral Site. <i>American Journal of Sports Medicine</i> , 2003, 31, 174-181.	4.2	347
5	Shifting the focus in fracture prevention from osteoporosis to falls. <i>BMJ: British Medical Journal</i> , 2008, 336, 124-126.	2.3	331
6	Muscle injuries: optimising recovery. <i>Best Practice and Research in Clinical Rheumatology</i> , 2007, 21, 317-331.	3.3	324
7	Effect of a vibration exposure on muscular performance and body balance. Randomized cross-over study. <i>Clinical Physiology and Functional Imaging</i> , 2002, 22, 145-152.	1.2	317
8	Histopathological findings in chronic tendon disorders. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 1997, 7, 86-95.	2.9	286
9	Effect of four-month vertical whole body vibration on performance and balance. <i>Medicine and Science in Sports and Exercise</i> , 2002, 34, 1523-1528.	0.4	247
10	The Fixation Strength of Six Hamstring Tendon Graft Fixation Devices in Anterior Cruciate Ligament Reconstruction: Part II: Tibial Site. <i>American Journal of Sports Medicine</i> , 2003, 31, 182-188.	4.2	246
11	Effect of 8-Month Vertical Whole Body Vibration on Bone, Muscle Performance, and Body Balance: A Randomized Controlled Study. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 876-884.	2.8	235
12	Organization and distribution of intramuscular connective tissue in normal and immobilized skeletal muscles. An immunohistochemical, polarization and scanning electron microscopic study. <i>Journal of Muscle Research and Cell Motility</i> , 2002, 23, 245-254.	2.0	198
13	Transmission of Vertical Whole Body Vibration to the Human Body. <i>Journal of Bone and Mineral Research</i> , 2008, 23, 1318-1325.	2.8	172
14	Achilles tendon injuries. <i>Current Opinion in Rheumatology</i> , 2001, 13, 150-155.	4.3	161
15	Treatment of tendon disorders. <i>Foot and Ankle Clinics</i> , 2002, 7, 501-513.	1.3	139
16	Mechanical loading regulates the expression of tenascin-C in the myotendinous junction and tendon but does not induce de novo synthesis in the skeletal muscle. <i>Journal of Cell Science</i> , 2003, 116, 857-866.	2.0	136
17	Collagen fibres of the spontaneously ruptured human tendons display decreased thickness and crimp angle. <i>Journal of Orthopaedic Research</i> , 2004, 22, 1303-1309.	2.3	128
18	Estrogen and Bone – a Reproductive and Locomotive Perspective. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 1921-1931.	2.8	122

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19	Subacromial decompression versus diagnostic arthroscopy for shoulder impingement: randomised, placebo surgery controlled clinical trial. <i>BMJ: British Medical Journal</i> , 2018, 362, k2860.	2.3	118
20	USE OF A CAST COMPARED WITH A FUNCTIONAL ANKLE BRACE AFTER OPERATIVE TREATMENT OF AN ANKLE FRACTURE. <i>Journal of Bone and Joint Surgery - Series A</i> , 2003, 85, 205-211.	3.0	118
21	Mechanical Symptoms and Arthroscopic Partial Meniscectomy in Patients With Degenerative Meniscus Tear. <i>Annals of Internal Medicine</i> , 2016, 164, 449.	3.9	103
22	Arthroscopic partial meniscectomy versus placebo surgery for a degenerative meniscus tear: a 2-year follow-up of the randomised controlled trial. <i>Annals of the Rheumatic Diseases</i> , 2018, 77, 188-195.	0.9	103
23	Initial Fixation Strength of Bioabsorbable and Titanium Interference Screws in Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2001, 29, 420-425.	4.2	100
24	Inaccuracies Inherent in Patient-Specific Dual-Energy X-Ray Absorptiometry Bone Mineral Density Measurements: Comprehensive Phantom-Based Evaluation. <i>Journal of Bone and Mineral Research</i> , 2001, 16, 417-426.	2.8	99
25	Blinded interpretation of study results can feasibly and effectively diminish interpretation bias. <i>Journal of Clinical Epidemiology</i> , 2014, 67, 769-772.	5.0	92
26	Revival of Bone Strength: The Bottom Line. <i>Journal of Bone and Mineral Research</i> , 2005, 20, 717-720.	2.8	90
27	Overdiagnosis of bone fragility in the quest to prevent hip fracture. <i>BMJ, The</i> , 2015, 350, h2088-h2088.	6.0	89
28	Randomized Controlled Study of Effects of Sudden Impact Loading on Rat Femur. <i>Journal of Bone and Mineral Research</i> , 1998, 13, 1475-1482.	2.8	87
29	Porcine Tibia is a Poor Substitute for Human Cadaver Tibia for Evaluating Interference Screw Fixation. <i>American Journal of Sports Medicine</i> , 2004, 32, 765-771.	4.2	87
30	Estrogen deposits extra mineral into bones of female rats in puberty, but simultaneously seems to suppress the responsiveness of female skeleton to mechanical loading. <i>Bone</i> , 2003, 32, 642-651.	2.9	80
31	Have the DXA-Based Exercise Studies Seriously Underestimated the Effects of Mechanical Loading on Bone?. <i>Journal of Bone and Mineral Research</i> , 1999, 14, 1634-1635.	2.8	73
32	Arthroscopic partial meniscectomy for a degenerative meniscus tear: a 5 year follow-up of the placebo-surgery controlled FIDELITY (Finnish Degenerative Meniscus Lesion Study) trial. <i>British Journal of Sports Medicine</i> , 2020, 54, 1332-1339.	6.7	73
33	Location and distribution of non-collagenous matrix proteins in musculoskeletal tissues of rat. <i>The Histochemical Journal</i> , 1998, 30, 799-810.	0.6	70
34	Free mobilization and low- to high-intensity exercise in immobilization-induced muscle atrophy. <i>Journal of Applied Physiology</i> , 1998, 84, 1418-1424.	2.5	69
35	Correlation between biomechanical and structural changes during the regeneration of skeletal muscle after laceration injury. <i>Journal of Orthopaedic Research</i> , 1998, 16, 197-206.	2.3	68
36	Femoral Neck Response to Exercise and Subsequent Deconditioning in Young and Adult Rats. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 1292-1299.	2.8	67

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37	Nitric oxide mediates interleukin-1 induced inhibition of glycosaminoglycan synthesis in rat articular cartilage. <i>Mediators of Inflammation</i> , 1995, 4, 107-111.	3.0	63
38	Why Is the Age-Standardized Incidence of Low-Trauma Fractures Rising in Many Elderly Populations?. <i>Journal of Bone and Mineral Research</i> , 2002, 17, 1363-1367.	2.8	63
39	Prevalence of osteoporosis and incidence of hip fracture in women - secular trends over 30 years. <i>BMC Musculoskeletal Disorders</i> , 2010, 11, 48.	1.9	62
40	The Bone Gain Induced by Exercise in Puberty Is Not Preserved Through a Virtually Life-Long Deconditioning: A Randomized Controlled Experimental Study in Male Rats. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 544-552.	2.8	61
41	Basic science and clinical studies coincide: active treatment approach is needed after a sports injury. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2003, 13, 150-154.	2.9	61
42	Interference Screw Fixation of Soft Tissue Grafts in Anterior Cruciate Ligament Reconstruction: Part 2. <i>American Journal of Sports Medicine</i> , 2004, 32, 418-424.	4.2	59
43	Compaction versus Extraction Drilling for Fixation of the Hamstring Tendon Graft in Anterior Cruciate Ligament Reconstruction. <i>American Journal of Sports Medicine</i> , 2002, 30, 167-173.	4.2	57
44	Three-Point Bending of Rat Femur in the Mediolateral Direction: Introduction and Validation of a Novel Biomechanical Testing Protocol. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 1231-1237.	2.8	57
45	Effect of Surgery vs Functional Bracing on Functional Outcome Among Patients With Closed Displaced Humeral Shaft Fractures. <i>JAMA - Journal of the American Medical Association</i> , 2020, 323, 1792.	7.4	57
46	Pathogenesis of Age-Related Osteoporosis: Impaired Mechano-Responsiveness of Bone Is Not the Culprit. <i>PLoS ONE</i> , 2008, 3, e2540.	2.5	56
47	Dual-Energy X-Ray Absorptiometry in Predicting Mechanical Characteristics of Rat Femur. <i>Bone</i> , 1998, 22, 551-558.	2.9	50
48	Bone Quality: An Empty Term. <i>PLoS Medicine</i> , 2007, 4, e27.	8.4	49
49	Vascular Density at the Myotendinous Junction of the Rat Gastrocnemius Muscle After Immobilization and Remobilization. <i>American Journal of Sports Medicine</i> , 1995, 23, 359-364.	4.2	48
50	The true cost of pharmacological disease prevention. <i>BMJ: British Medical Journal</i> , 2011, 342, d2175-d2175.	2.3	48
51	Finnish Degenerative Meniscal Lesion Study (FIDELITY): a protocol for a randomised, placebo surgery controlled trial on the efficacy of arthroscopic partial meniscectomy for patients with degenerative meniscus injury with a novel "RCT within-a-cohort" study design. <i>BMJ Open</i> , 2013, 3, e002510.	1.9	48
52	Effects of free mobilization and low- to high-intensity treadmill running on the immobilization-induced bone loss in rats. <i>Journal of Bone and Mineral Research</i> , 1994, 9, 1613-1619.	2.8	46
53	Integrin and dystrophin associated adhesion protein complexes during regeneration of shearing-type muscle injury. <i>Neuromuscular Disorders</i> , 2000, 10, 121-132.	0.6	45
54	Placental Glucose Transporters in Fetal Intrauterine Growth Retardation and Macrosomia. <i>Gynecologic and Obstetric Investigation</i> , 1997, 44, 89-92.	1.6	44

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55	3D visualization and quantification of rat cortical bone porosity using a desktop micro-CT system: a case study in the tibia. <i>Journal of Microscopy</i> , 2010, 240, 32-37.	1.8	44
56	Osteoporosis: the emperor has no clothes. <i>Journal of Internal Medicine</i> , 2015, 277, 662-673.	6.0	44
57	Prolonged unloading in growing rats reduces cortical osteocyte lacunar density and volume in the distal tibia. <i>Bone</i> , 2012, 51, 913-919.	2.9	43
58	Effects of immobilization, three forms of remobilization, and subsequent deconditioning on bone mineral content and density in rat femora. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 1339-1346.	2.8	42
59	Mechanical symptoms as an indication for knee arthroscopy in patients with degenerative meniscus tear: a prospective cohort study. <i>Osteoarthritis and Cartilage</i> , 2016, 24, 1367-1375.	1.3	42
60	What is a disease? Perspectives of the public, health professionals and legislators. <i>BMJ Open</i> , 2012, 2, e001632.	1.9	41
61	Three week versus six week immobilisation for stable Weber B type ankle fractures: randomised, multicentre, non-inferiority clinical trial. <i>BMJ: British Medical Journal</i> , 2019, 364, k5432.	2.3	40
62	Biomechanical testing in experimental bone interventions—May the power be with you. <i>Journal of Biomechanics</i> , 2008, 41, 1623-1631.	2.1	38
63	Arthroscopic surgery for knee pain. <i>BMJ, The</i> , 2016, 354, i3934.	6.0	38
64	Osteochondroplasty and Labral Repair for the Treatment of Young Adults With Femoroacetabular Impingement: A Randomized Controlled Trial. <i>American Journal of Sports Medicine</i> , 2021, 49, 25-34.	4.2	38
65	Conflicts at the heart of the FRAX tool. <i>Cmaj</i> , 2014, 186, 165-167.	2.0	34
66	Arthroscopic Partial Meniscectomy for Degenerative Meniscal Tear. <i>New England Journal of Medicine</i> , 2014, 370, 1259-1261.	27.0	32
67	Vitamin D Receptor Alleles and Bone's Response to Physical Activity. <i>Calcified Tissue International</i> , 1998, 62, 413-417.	3.1	30
68	The effects of immobilization on vascular canal orientation in rat cortical bone. <i>Journal of Anatomy</i> , 2012, 220, 67-76.	1.5	30
69	Comparison of modified Kessler tendon suture at different levels in the human flexor digitorum profundus tendon and porcine flexors and porcine extensors: an experimental biomechanical study. <i>Journal of Hand Surgery: European Volume</i> , 2011, 36, 670-676.	1.0	28
70	Bone Density and Insertion Torque as Predictors of Anterior Cruciate Ligament Graft Fixation Strength. <i>American Journal of Sports Medicine</i> , 2004, 32, 1421-1429.	4.2	26
71	Subacromial decompression versus diagnostic arthroscopy for shoulder impingement: a 5-year follow-up of a randomised, placebo surgery controlled clinical trial. <i>British Journal of Sports Medicine</i> , 2021, 55, 99-107.	6.7	26
72	Interference Screw Fixation of Soft Tissue Grafts in Anterior Cruciate Ligament Reconstruction: Part 1. <i>American Journal of Sports Medicine</i> , 2004, 32, 411-417.	4.2	25

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73	Compaction Drilling Does Not Increase the Initial Fixation Strength of the Hamstring Tendon Graft in Anterior Cruciate Ligament Reconstruction in a Cadaver Model. <i>American Journal of Sports Medicine</i> , 2003, 31, 353-358.	4.2	24
74	Skeletal effects of estrogen and mechanical loading are structurally distinct. <i>Bone</i> , 2008, 43, 748-757.	2.9	22
75	Validation of the Western Ontario Meniscal Evaluation Tool (WOMET) for Patients with a Degenerative Meniscal Tear. <i>Journal of Bone and Joint Surgery - Series A</i> , 2012, 94, e65.	3.0	22
76	Finnish Subacromial Impingement Arthroscopy Controlled Trial (FIMPACT): a protocol for a randomised trial comparing arthroscopic subacromial decompression and diagnostic arthroscopy (placebo control), with an exercise therapy control, in the treatment of shoulder impingement syndrome. <i>BMJ Open</i> , 2017, 7, e014087.	1.9	22
77	Renal insufficiency-induced bone loss is associated with an increase in bone size and preservation of strength in rat proximal femur. <i>Bone</i> , 2006, 39, 353-360.	2.9	20
78	Fragile External Phenotype of Modern Human Proximal Femur in Comparison with Medieval Bone. <i>Journal of Bone and Mineral Research</i> , 2007, 22, 537-543.	2.8	20
79	Paricalcitol [19-Nor-1,25-(OH) <sub>2</sub> D <sub>2</sub> ] in the Treatment of Experimental Renal Bone Disease. <i>Journal of Bone and Mineral Research</i> , 2006, 21, 745-751.	2.8	18
80	Expression of osteocalcin in the patella of experimentally immobilized and remobilized rats. <i>Journal of Bone and Mineral Research</i> , 1996, 11, 79-87.	2.8	18
81	Arthroscopy for degenerative knee—a difficult habit to break?. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 85, 215-217.	3.3	16
82	Minimal important difference and patient acceptable symptom state for pain, Constant-Murley score and Simple Shoulder Test in patients with subacromial pain syndrome. <i>BMC Medical Research Methodology</i> , 2021, 21, 45.	3.1	16
83	Endogenous nitric oxide and prostaglandin E <sub>2</sub> do not regulate the synthesis of each other in interleukin-1 $\beta$ -stimulated rat articular cartilage. <i>Inflammation</i> , 1996, 20, 683-692.	3.8	14
84	Vitamin D and Estrogen Receptor Polymorphisms and Bone Mineral Changes in Postpartum Women. <i>Calcified Tissue International</i> , 2000, 66, 184-189.	3.1	14
85	Treatment of experimental renal osteodystrophy with pamidronate. <i>Kidney International</i> , 2008, 74, 319-327.	5.2	14
86	Outcomes With Surgery vs Functional Bracing for Patients With Closed, Displaced Humeral Shaft Fractures and the Need for Secondary Surgery. <i>JAMA Surgery</i> , 2021, 156, 526.	4.3	14
87	Cast treatment and intramedullary locking nailing for simple and spiral wedge tibial shaft fractures—a cost benefit analysis. <i>Annales Chirurgiae Et Gynaecologiae</i> , 2000, 89, 138-42.	0.2	13
88	Effects of remobilization on rat femur are dose-dependent. <i>Scandinavian Journal of Medicine and Science in Sports</i> , 2001, 11, 292-298.	2.9	10
89	The effects of loading and estrogen on rat bone growth. <i>Journal of Applied Physiology</i> , 2010, 108, 1737-1744.	2.5	10
90	Bioabsorbable Versus Metal Screw in the Fixation of Tibial Tubercle Transfer: A Cadaveric Biomechanical Study. <i>Orthopaedic Journal of Sports Medicine</i> , 2017, 5, 232596711771443.	1.7	10

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91	Public, health professional and legislator perspectives on the concept of psychiatric disease: a population-based survey. <i>BMJ Open</i> , 2019, 9, e024265.	1.9	10
92	Failed regrowth of the harvested semitendinosus tendon: A rare complication of tendon harvest after anterior cruciate ligament reconstruction. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2003, 19, 1-3.	2.7	9
93	Anterior Cruciate Ligament Graft Fixationâ€”A Myth Busted?. <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2010, 26, 681-684.	2.7	8
94	How to Share Guidelines in Daily Practice on Meniscus Repair, Degenerate Meniscal Lesion, and Meniscectomy. , 2014, , 97-112.		8
95	When taking a step back is a veritable leap forward. Reversing decades of arthroscopy for managing joint pain: five reasons that could explain declining rates of common arthroscopic surgeries. <i>British Journal of Sports Medicine</i> , 2020, 54, 1312-1313.	6.7	8
96	Minimal important difference and patient acceptable symptom state for the Numerical Rating Scale (NRS) for pain and the Patient-Rated Wrist/Hand Evaluation (PRWHE) for patients with osteoarthritis at the base of thumb. <i>BMC Medical Research Methodology</i> , 2022, 22, 127.	3.1	8
97	On Patient Safety: Shoulder â€œImpingementâ€”Telling a SAD Story About Public Trust. <i>Clinical Orthopaedics and Related Research</i> , 2022, Publish Ahead of Print, .	1.5	7
98	Finnish study of intraoperative irrigation versus drain alone after evacuation of chronic subdural haematoma (FINISH): a study protocol for a multicentre randomised controlled trial. <i>BMJ Open</i> , 2020, 10, e038275.	1.9	6
99	Immobilization Distorts Allometry of Rat Femur: Implications for Disuse Osteoporosis. <i>Calcified Tissue International</i> , 1997, 60, 387-390.	3.1	5
100	Arthroscopic Partial Meniscectomy Was Not Better Than Sham Surgery for Medial Meniscal Tear. <i>Journal of Bone and Joint Surgery - Series A</i> , 2014, 96, 1396-1396.	3.0	5
101	Arthroscopic surgery for knee pain: a highly questionable practice without supporting evidence of even moderate quality. <i>British Journal of Sports Medicine</i> , 2016, 50, 1426-1427.	6.7	4
102	Labelling people as â€œHigh Riskâ€™: A tyranny of eminence?. <i>British Journal of Sports Medicine</i> , 2016, 50, 77-78.	6.7	3
103	Falling out of love with knee arthroscopy. <i>Nature Reviews Rheumatology</i> , 2017, 13, 515-516.	8.0	3
104	Osteochondroplasty Benefits the Pragmatic Patient With Femoroacetabular Impingement: Analysis From the Embedded Prospective Cohort of the Femoroacetabular Impingement RandomiSed Controlled Trial (FIRST). <i>Arthroscopy - Journal of Arthroscopic and Related Surgery</i> , 2021, , .	2.7	3
105	Return to work after subacromial decompression, diagnostic arthroscopy, or exercise therapy for shoulder impingement: a randomised, placebo-surgery controlled FIMPACT clinical trial with five-year follow-up. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 889.	1.9	3
106	Letter re: â€œHalf the burden of fragility fractures in the community occur in women without osteoporosis. When is fracture prevention cost effective?â€”by Sanders et al.. <i>Bone</i> , 2006, 39, 1390-1391.	2.9	2
107	Arthroscopic surgery for knee pain. <i>British Journal of Sports Medicine</i> , 2017, 51, 1502-1502.	6.7	2
108	Statistical analysis plan for the 5-year and 10-year follow-up assessments of the FIDELITY trial. <i>Trials</i> , 2020, 21, 76.	1.6	2

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109	Responsiveness of different pain measures and recall periods in people undergoing surgery after a period of splinting for basal thumb joint osteoarthritis. <i>BMC Medical Research Methodology</i> , 2022, 22, 37.	3.1	2
110	Fractures are not in genes. <i>Lancet</i> , The, 2008, 372, 1459-1460.	13.7	1
111	Infectious anxiety disorder. <i>Cmaj</i> , 2014, 186, 720-720.	2.0	1
112	National Partnership for Maternal Safety: Consensus Bundle on Venous Thromboembolism. <i>Obstetrics and Gynecology</i> , 2019, 134, 1115-1117.	2.4	1
113	Phosphate Binding with Sevelamer Preserves Mechanical Competence of Bone Despite Acidosis in Advanced Experimental Renal Insufficiency. <i>PLoS ONE</i> , 2016, 11, e0163022.	2.5	1
114	Effect of Osteochondroplasty on Time to Reoperation After Arthroscopic Management of Femoroacetabular Impingement: Analysis of a Randomized Controlled Trial. <i>Orthopaedic Journal of Sports Medicine</i> , 2022, 10, 23259671211041400.	1.7	1
115	Letters to the Editor. <i>American Journal of Sports Medicine</i> , 2003, 31, 811-814.	4.2	0
116	Response to Seeman and Zebaze. <i>Bone</i> , 2004, 34, 233-235.	2.9	0
117	Authors'™ reply to Lee and colleagues. <i>BMJ</i> , The, 2015, 351, h3737.	6.0	0
118	Mechanical Symptoms and Arthroscopic Partial Meniscectomy in Patients With Degenerative Meniscus Tear. <i>Annals of Internal Medicine</i> , 2016, 164, I-15.	3.9	0
119	Finnish Trial on Practices of Anterior Cervical Decompression and Fusion (FACADE): a protocol for a prospective randomised non-inferiority trial comparing outpatient versus inpatient care. <i>BMJ Open</i> , 2019, 9, e032575.	1.9	0
120	Pharmacological therapies for the prevention of fractures in men. <i>The Cochrane Library</i> , 2021, 2021, .	2.8	0
121	Author reply: To PMID 24800623. <i>Monthly Notices of the Royal Astronomical Society: Letters</i> , 2014, 85, 684-5.	3.3	0