

Mary Barbe

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4902303/publications.pdf>

Version: 2024-02-01

224
papers

7,153
citations

44069

48
h-index

85541

71
g-index

235
all docs

235
docs citations

235
times ranked

6970
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationship between systemic inflammation and recovery over 12 months after an acute episode of low back pain. <i>Spine Journal</i> , 2022, 22, 214-225.	1.3	14
2	Lateralization of bladder function in normal female canines. <i>PLoS ONE</i> , 2022, 17, e0264382.	2.5	0
3	Aberrant Neuronal Activity in a Model of Work-Related Upper Limb Pain and Dysfunction. <i>Journal of Pain</i> , 2022, 23, 852-863.	1.4	3
4	Manual Therapy Facilitates Homeostatic Adaptation to Bone Microstructural Declines Induced by a Rat Model of Repetitive Forceful Task. <i>International Journal of Molecular Sciences</i> , 2022, 23, 6586.	4.1	1
5	Blocking CCN2 preferentially inhibits osteoclastogenesis induced by repetitive high force bone loading. <i>Connective Tissue Research</i> , 2021, 62, 115-132.	2.3	6
6	Force dependent effects of chronic overuse on fibrosis-related genes and proteins in skeletal muscles. <i>Connective Tissue Research</i> , 2021, 62, 133-149.	2.3	6
7	Nerve transfer for restoration of lower motor neuron-lesioned bladder function: Correlation between histological changes and nerve evoked contractions. <i>FASEB Journal</i> , 2021, 35, .	0.5	0
8	Key indicators of repetitive overuse-induced neuromuscular inflammation and fibrosis are prevented by manual therapy in a rat model. <i>BMC Musculoskeletal Disorders</i> , 2021, 22, 417.	1.9	15
9	Nerve transfer for restoration of lower motor neuron-lesioned bladder function. Part 2: correlation between histological changes and nerve evoked contractions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R897-R915.	1.8	7
10	Nerve transfer for restoration of lower motor neuron-lesioned bladder function. Part 1: attenuation of purinergic bladder smooth muscle contractions. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2021, 320, R885-R896.	1.8	7
11	Does the Interaction between Local and Systemic Inflammation Provide a Link from Psychology and Lifestyle to Tissue Health in Musculoskeletal Conditions?. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7299.	4.1	16
12	The impaired healing hypothesis: a mechanism by which psychosocial stress and personal characteristics increase MSD risk?. <i>Ergonomics</i> , 2021, , 1-14.	2.1	10
13	Manual Therapy With Rest as a Treatment for Established Inflammation and Fibrosis in a Rat Model of Repetitive Strain Injury. <i>Frontiers in Physiology</i> , 2021, 12, 755923.	2.8	4
14	Manual Therapy Research Methods in Animal Models, Focusing on Soft Tissues. <i>Frontiers in Integrative Neuroscience</i> , 2021, 15, 802378.	2.1	1
15	Uncovering the role of sleep and exercise in the transition from acute to persistent pain. <i>Brain, Behavior, and Immunity</i> , 2021, 98, 25.	4.1	0
16	Blocking substance P signaling reduces musculotendinous and dermal fibrosis and sensorimotor declines in a rat model of overuse injury. <i>Connective Tissue Research</i> , 2020, 61, 604-619.	2.3	13
17	Bladder reinnervation by somatic nerve transfer to pelvic nerve vesical branches does not reinnervate the urethra. <i>Neurourology and Urodynamics</i> , 2020, 39, 181-189.	1.5	3
18	Fully implantable neural recording and stimulation interfaces: Peripheral nerve interface applications. <i>Journal of Neuroscience Methods</i> , 2020, 333, 108562.	2.5	24

#	ARTICLE	IF	CITATIONS
19	From cerebral palsy to developmental coordination disorder: Development of preclinical rat models corresponding to recent epidemiological changes. <i>Annals of Physical and Rehabilitation Medicine</i> , 2020, 63, 422-430.	2.3	13
20	Cohort profile: why do people keep hurting their back?. <i>BMC Research Notes</i> , 2020, 13, 538.	1.4	8
21	Intrameniscal signal alterations strongly predict destabilizing meniscal tears and accelerated knee osteoarthritis: data from the osteoarthritis initiative. <i>Osteoarthritis and Cartilage</i> , 2020, 28, S52-S53.	1.3	0
22	The Pelvic Girdle Pain deadlock: 2. Topics that, so far, have remained out of focus. <i>Musculoskeletal Science and Practice</i> , 2020, 48, 102166.	1.3	8
23	Risk factors and the natural history of accelerated knee osteoarthritis: a narrative review. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 332.	1.9	81
24	Composite quantitative knee structure metrics predict the development of accelerated knee osteoarthritis: data from the osteoarthritis initiative. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 299.	1.9	7
25	Blocking CTGF/CCN2 reverses neural fibrosis and sensorimotor declines in a rat model of overuse-induced median mononeuropathy. <i>Journal of Orthopaedic Research</i> , 2020, 38, 2396-2408.	2.3	18
26	Occupational Activities: Factors That Tip the Balance From Bone Accrual to Bone Loss. <i>Exercise and Sport Sciences Reviews</i> , 2020, 48, 59-66.	3.0	7
27	Clinical application of near infrared fiber optic spectroscopy for noninvasive bone assessment. <i>Journal of Biophotonics</i> , 2020, 13, e201960172.	2.3	5
28	Forced treadmill running reduces systemic inflammation yet worsens upper limb discomfort in a rat model of work-related musculoskeletal disorders. <i>BMC Musculoskeletal Disorders</i> , 2020, 21, 57.	1.9	13
29	Blocking CTGF/CCN2 reduces established skeletal muscle fibrosis in a rat model of overuse injury. <i>FASEB Journal</i> , 2020, 34, 6554-6569.	0.5	40
30	A longitudinal characterization of sex-specific somatosensory and spatial memory deficits in HIV Tg26 heterozygous mice. <i>PLoS ONE</i> , 2020, 15, e0244725.	2.5	7
31	Characterization of a Knock-In Mouse Line Expressing a Fusion Protein of μ Opioid Receptor Conjugated with tdTomato: 3-Dimensional Brain Imaging via CLARITY. <i>ENeuro</i> , 2020, 7, ENEURO.0028-20.2020.	1.9	38
32	Nerve transfer for restoration of lower motor neuron-lesioned bladder and urethra function: establishment of a canine model and interim pilot study results. <i>Journal of Neurosurgery: Spine</i> , 2020, 32, 258-268.	1.7	9
33	Title is missing!. , 2020, 15, e0244725.		0
34	Title is missing!. , 2020, 15, e0244725.		0
35	Title is missing!. , 2020, 15, e0244725.		0
36	Title is missing!. , 2020, 15, e0244725.		0

#	ARTICLE	IF	CITATIONS
37	Association Between Declining Walking Speed and Increasing Bone Marrow Lesion and Effusion Volume in Individuals with Accelerated Knee Osteoarthritis. <i>Arthritis Care and Research</i> , 2019, 71, 259-270.	3.4	6
38	Role of Magnetic Resonance Imaging in Classifying Individuals Who Will Develop Accelerated Radiographic Knee Osteoarthritis. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2420-2428.	2.3	7
39	Accelerated knee osteoarthritis is associated with pre-radiographic degeneration of the extensor mechanism and cruciate ligaments: data from the Osteoarthritis Initiative. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 308.	1.9	7
40	Novel composite knee structure metrics of disease activity and cumulative damage predict the development of accelerated knee osteoarthritis: data from the osteoarthritis initiative. <i>Osteoarthritis and Cartilage</i> , 2019, 27, S333.	1.3	1
41	Adults With Incident Accelerated Knee Osteoarthritis Are More Likely to Use Pharmacological Treatment Options and Receive Arthroscopic Knee Surgery: Data From the Osteoarthritis Initiative. <i>ACR Open Rheumatology</i> , 2019, 1, 359-364.	2.1	5
42	Diverse Role of Biological Plasticity in Low Back Pain and Its Impact on Sensorimotor Control of the Spine. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2019, 49, 389-401.	3.5	25
43	Early pre-radiographic structural pathology precedes the onset of accelerated knee osteoarthritis. <i>BMC Musculoskeletal Disorders</i> , 2019, 20, 241.	1.9	29
44	Acute bladder decentralization in hound dogs: Preliminary results of effects on hypogastric nerve electroneurograms and detrusor pressure responses to spinal root and hypogastric nerve stimulation. <i>PLoS ONE</i> , 2019, 14, e0215036.	2.5	4
45	Sex-specific neurogenic deficits and neurocognitive disorders in middle-aged HIV-1 Tg26 transgenic mice. <i>Brain, Behavior, and Immunity</i> , 2019, 80, 488-499.	4.1	15
46	Blocking CCN2 Reduces Progression of Sensorimotor Declines and Fibrosis in a Rat Model of Chronic Repetitive Overuse. <i>Journal of Orthopaedic Research</i> , 2019, 37, 2004-2018.	2.3	20
47	Are Signs of Central Sensitization in Acute Low Back Pain a Precursor to Poor Outcome?. <i>Journal of Pain</i> , 2019, 20, 994-1009.	1.4	44
48	Females have greater susceptibility to develop ongoing pain and central sensitization in a rat model of temporomandibular joint pain. <i>Pain</i> , 2019, 160, 2036-2049.	4.2	25
49	Calcium Fluxes in Work-Related Muscle Disorder: Implications from a Rat Model. <i>BioMed Research International</i> , 2019, 2019, 1-14.	1.9	11
50	Accelerated Knee Osteoarthritis Is Characterized by Destabilizing Meniscal Tears and Preradiographic Structural Disease Burden. <i>Arthritis and Rheumatology</i> , 2019, 71, 1089-1100.	5.6	34
51	Manual therapy prevents onset of nociceptor activity, sensorimotor dysfunction, and neural fibrosis induced by a volitional repetitive task. <i>Pain</i> , 2019, 160, 632-644.	4.2	36
52	Effusion-synovitis and infrapatellar fat pad signal intensity alteration differentiate accelerated knee osteoarthritis. <i>Rheumatology</i> , 2019, 58, 418-426.	1.9	40
53	Diffuse tibiofemoral cartilage change prior to the development of accelerated knee osteoarthritis: Data from the osteoarthritis initiative. <i>Clinical Anatomy</i> , 2019, 32, 369-378.	2.7	6
54	The answer depends on the question: Optimal conditions for western blot characterization of muscle collagen type 1 depends on desired isoform. <i>Journal of Biological Methods</i> , 2019, 6, e117.	0.6	9

#	ARTICLE	IF	CITATIONS
55	Comparing effects of rest with or without a NK1RA on fibrosis and sensorimotor declines induced by a voluntary moderate demand task. <i>Journal of Musculoskeletal Neuronal Interactions</i> , 2019, 19, 396-411.	0.1	6
56	Risk factors can classify individuals who develop accelerated knee osteoarthritis: Data from the osteoarthritis initiative. <i>Journal of Orthopaedic Research</i> , 2018, 36, 876-880.	2.3	33
57	Prolonged high force high repetition pulling induces osteocyte apoptosis and trabecular bone loss in distal radius, while low force high repetition pulling induces bone anabolism. <i>Bone</i> , 2018, 110, 267-283.	2.9	17
58	Inflammation and glucose homeostasis are associated with specific structural features among adults without knee osteoarthritis: a cross-sectional study from the osteoarthritis initiative. <i>BMC Musculoskeletal Disorders</i> , 2018, 19, 1.	1.9	105
59	Clarification of the Innervation of the Bladder, External Urethral Sphincter and Clitoris: A Neuronal Tracing Study in Female Mongrel Hound Dogs. <i>Anatomical Record</i> , 2018, 301, 1426-1441.	1.4	14
60	Early movement restriction leads to enduring disorders in muscle and locomotion. <i>Brain Pathology</i> , 2018, 28, 889-901.	4.1	18
61	ISSLS PRIZE IN CLINICAL SCIENCE 2018: longitudinal analysis of inflammatory, psychological, and sleep-related factors following an acute low back pain episode—the good, the bad, and the ugly. <i>European Spine Journal</i> , 2018, 27, 763-777.	2.2	64
62	Characterizing the distinct structural changes associated with self-reported knee injury among individuals with incident knee osteoarthritis: Data from the osteoarthritis initiative. <i>Clinical Anatomy</i> , 2018, 31, 330-334.	2.7	7
63	Adults with incident accelerated knee osteoarthritis are more likely to receive a knee replacement: data from the Osteoarthritis Initiative. <i>Clinical Rheumatology</i> , 2018, 37, 1115-1118.	2.2	11
64	Lumbar to sacral root rerouting to restore bladder function in a feline spinal cord injury model: Urodynamic and retrograde nerve tracing results from a pilot study. <i>Neurourology and Urodynamics</i> , 2018, 37, 153-162.	1.5	9
65	Heat Shock Protein Response to Overuse Injuries. <i>Heat Shock Proteins</i> , 2018, , 277-292.	0.2	0
66	Individual Variation in Pain Sensitivity and Conditioned Pain Modulation in Acute Low Back Pain: Effect of Stimulus Type, Sleep, and Psychological and Lifestyle Factors. <i>Journal of Pain</i> , 2018, 19, 942.e1-942.e18.	1.4	52
67	Substance P increases CCN2 dependent on TGF-beta yet Collagen Type I via TGF-beta1 dependent and independent pathways in tenocytes. <i>Connective Tissue Research</i> , 2018, 59, 30-44.	2.3	20
68	Prolonged high force high repetition pulling induces trabecular bone loss and microcracks, while low force high repetition pulling induces bone anabolism. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2018, 62, 813-817.	0.3	0
69	2121 Quantitative structural knee measurements improve classification of accelerated knee osteoarthritis: Data from the osteoarthritis initiative. <i>Journal of Clinical and Translational Science</i> , 2018, 2, 25-25.	0.6	0
70	Early movement restriction leads to maladaptive plasticity in the sensorimotor cortex and to movement disorders. <i>Scientific Reports</i> , 2018, 8, 16328.	3.3	20
71	Adult neurogenic deficits in HIV-1 Tg26 transgenic mice. <i>Journal of Neuroinflammation</i> , 2018, 15, 287.	7.2	23
72	Adults with incident accelerated knee osteoarthritis are more likely to receive a knee replacement: data from the osteoarthritis initiative. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S227-S228.	1.3	0

#	ARTICLE	IF	CITATIONS
73	Fascial tissue research in sports medicine: from molecules to tissue adaptation, injury and diagnostics: consensus statement. <i>British Journal of Sports Medicine</i> , 2018, 52, 1497-1497.	6.7	134
74	Development of Normal and Cleft Palate: A Central Role for Connective Tissue Growth Factor (CTGF)/CCN2. <i>Journal of Developmental Biology</i> , 2018, 6, 18.	1.7	25
75	Determining integrity of bladder innervation and smooth muscle function 1 year after lower spinal root transection in canines. <i>Neurourology and Urodynamics</i> , 2018, 37, 2495-2501.	1.5	7
76	Declining walking speed associates with increased bone marrow lesion volume and effusion volume in individuals with accelerated knee osteoarthritis: data from the osteoarthritis initiative. <i>Osteoarthritis and Cartilage</i> , 2018, 26, S362-S363.	1.3	0
77	Evidence of vagus nerve sprouting to innervate the urinary bladder and clitoris in a canine model of lower motoneuron lesioned bladder. <i>Neurourology and Urodynamics</i> , 2017, 36, 91-97.	1.5	12
78	Physical activity levels and quality of life relate to collagen turnover and inflammation changes after running. <i>Journal of Orthopaedic Research</i> , 2017, 35, 612-617.	2.3	8
79	Glucose homeostasis influences the risk of incident knee osteoarthritis: Data from the osteoarthritis initiative. <i>Journal of Orthopaedic Research</i> , 2017, 35, 2282-2287.	2.3	13
80	Knee symptoms among adults at risk for accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. <i>Clinical Rheumatology</i> , 2017, 36, 1083-1089.	2.2	25
81	Biochemical Response to a Moderate Running Bout in Participants With or Without a History of Acute Knee Injury. <i>Journal of Athletic Training</i> , 2017, 52, 567-574.	1.8	11
82	A single recent injury is a potent risk factor for the development of accelerated knee osteoarthritis: data from the osteoarthritis initiative. <i>Rheumatology International</i> , 2017, 37, 1759-1764.	3.0	11
83	Group IV nociceptors develop axonal chemical sensitivity during neuritis and following treatment of the sciatic nerve with vinblastine. <i>Journal of Neurophysiology</i> , 2017, 118, 2103-2109.	1.8	7
84	The pivotal role of CCN2 in mammalian palatogenesis. <i>Journal of Cell Communication and Signaling</i> , 2017, 11, 25-37.	3.4	10
85	Cortical bone deficit and fat infiltration of bone marrow and skeletal muscle in ambulatory children with mild spastic cerebral palsy. <i>Bone</i> , 2017, 94, 90-97.	2.9	87
86	Systemic inflammatory profiles and their relationships with demographic, behavioural and clinical features in acute low back pain. <i>Brain, Behavior, and Immunity</i> , 2017, 60, 84-92.	4.1	67
87	YAP/TAZ initiate and maintain Schwann cell myelination. <i>ELife</i> , 2017, 6, .	6.0	66
88	Systematic review of quantitative imaging biomarkers for neck and shoulder musculoskeletal disorders. <i>BMC Musculoskeletal Disorders</i> , 2017, 18, 395.	1.9	14
89	Repetitive Stress Pathology. , 2016, , 938-1004.		0
90	Dorsal Scapular Artery Variations and Relationship to the Brachial Plexus, and a Related Thoracic Outlet Syndrome Case. <i>Journal of Brachial Plexus and Peripheral Nerve Injury</i> , 2016, 11, e21-e28.	1.0	12

#	ARTICLE	IF	CITATIONS
91	Sickness behaviors (reduced social interaction and pain behaviors) are linked to inflammatory mechanisms in a rat model of work-related musculoskeletal disorders. Proceedings of the Human Factors and Ergonomics Society, 2016, 60, 975-979.	0.3	2
92	Best performing definition of accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. Therapeutic Advances in Musculoskeletal Disease, 2016, 8, 165-171.	2.7	28
93	Prenatal ischemia deteriorates white matter, brain organization, and function: implications for prematurity and cerebral palsy. Developmental Medicine and Child Neurology, 2016, 58, 7-11.	2.1	47
94	Transgenic Expression of Osteoactivin/gpnb Enhances Bone Formation In Vivo and Osteoprogenitor Differentiation Ex Vivo. Journal of Cellular Physiology, 2016, 231, 72-83.	4.1	37
95	Memory deficits, gait ataxia and neuronal loss in the hippocampus and cerebellum in mice that are heterozygous for Pur-alpha. Neuroscience, 2016, 337, 177-190.	2.3	21
96	Acute Catecholamine Exposure Causes Reversible Myocyte Injury Without Cardiac Regeneration. Circulation Research, 2016, 119, 865-879.	4.5	71
97	Coronal tibial slope is associated with accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. BMC Musculoskeletal Disorders, 2016, 17, 299.	1.9	38
98	Growth and repair factors, osteoactivin, matrix metalloproteinase and heat shock protein 72, increase with resolution of inflammation in musculotendinous tissues in a rat model of repetitive grasping. BMC Musculoskeletal Disorders, 2016, 17, 34.	1.9	15
99	Manual therapy as an effective treatment for fibrosis in a rat model of upper extremity overuse injury. Journal of the Neurological Sciences, 2016, 361, 168-180.	0.6	43
100	Overweight older adults, particularly after an injury, are at high risk for accelerated knee osteoarthritis: data from the Osteoarthritis Initiative. Clinical Rheumatology, 2016, 35, 1071-1076.	2.2	18
101	Acid ceramidase treatment enhances the outcome of autologous chondrocyte implantation in a rat osteochondral defect model. Osteoarthritis and Cartilage, 2016, 24, 752-762.	1.3	11
102	Ossicular Bone Damage and Hearing Loss in Rheumatoid Arthritis: A Correlated Functional and High Resolution Morphometric Study in Collagen-Induced Arthritic Mice. PLoS ONE, 2016, 11, e0164078.	2.5	8
103	Systematic review of biochemical biomarkers for neck and upper-extremity musculoskeletal disorders. Scandinavian Journal of Work, Environment and Health, 2016, 42, 103-124.	3.4	20
104	Prolonged performance of a high repetition low force task induces bone adaptation in young adult rats, but loss in mature rats. Experimental Gerontology, 2015, 72, 204-217.	2.8	22
105	Ergonomic task reduction prevents bone osteopenia in a rat model of upper extremity overuse. Industrial Health, 2015, 53, 206-221.	1.0	13
106	Neuromuscular Nicotinic Receptors Mediate Bladder Contractions Following Bladder Reinnervation with Somatic to Autonomic Nerve Transfer after Decentralization by Spinal Root Transection. Journal of Urology, 2015, 193, 2138-2145.	0.4	6
107	Neural reconstruction methods of restoring bladder function. Nature Reviews Urology, 2015, 12, 100-118.	3.8	31
108	Autologous c-kit+ Mesenchymal Stem Cell Injections Provide Superior Therapeutic Benefit as Compared to c-kit+ Cardiac-Derived Stem Cells in a Feline Model of Isoproterenol-Induced Cardiomyopathy. Clinical and Translational Science, 2015, 8, 425-431.	3.1	24

#	ARTICLE	IF	CITATIONS
109	Physical performance measurement in persons with patellofemoral osteoarthritis: A pilot study. <i>Journal of Back and Musculoskeletal Rehabilitation</i> , 2015, 28, 335-342.	1.1	7
110	Physical activity and quality of life relate to changes in collagen turnover and inflammation after a running bout. <i>Osteoarthritis and Cartilage</i> , 2015, 23, A28-A29.	1.3	1
111	Bladder Reinnervation Using a Primarily Motor Donor Nerve (Femoral Nerve Branches) is Functionally Superior to Using a Primarily Sensory Donor Nerve (Genitofemoral Nerve). <i>Journal of Urology</i> , 2015, 193, 1042-1051.	0.4	18
112	Increased CCN2, substance P and tissue fibrosis are associated with sensorimotor declines in a rat model of repetitive overuse injury. <i>Journal of Cell Communication and Signaling</i> , 2015, 9, 37-54.	3.4	41
113	The extensor carpi ulnaris pseudolesion: evaluation with microCT, histology, and MRI. <i>Skeletal Radiology</i> , 2015, 44, 1735-1743.	2.0	11
114	Role of inflammation in the aging bones. <i>Life Sciences</i> , 2015, 123, 25-34.	4.3	94
115	Integrin Mediated Adhesion of Osteoblasts to Connective Tissue Growth Factor (CTGF/CCN2) Induces Cytoskeleton Reorganization and Cell Differentiation. <i>PLoS ONE</i> , 2015, 10, e0115325.	2.5	44
116	Adipose Tissue Infiltration of Bone Marrow and Skeletal Muscle in Children with Mild Spastic Cerebral Palsy. <i>FASEB Journal</i> , 2015, 29, 870.4.	0.5	0
117	Ergonomic Intervention of Reduced Reach Force and Rate Attenuates High Repetition High Force Induced Bone Osteopenia in Distal Forelimb Bones. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2014, 58, 1566-1570.	0.3	0
118	Serum and MRI Biomarkers in Mobile Device Texting. <i>Human Factors</i> , 2014, 56, 864-872.	3.5	10
119	Loss of Cblâ€“PI3K Interaction Enhances Osteoclast Survival due to p21â€“Ras Mediated PI3K Activation Independent of Cblâ€“b. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1277-1289.	2.6	22
120	Effect of isolated hyperglycemia on native mechanical and biologic shoulder joint properties in a rat model. <i>Journal of Orthopaedic Research</i> , 2014, 32, 1464-1470.	2.3	24
121	Threeâ€“Dimensional Reconstruction of Neovasculature in Solid Tumors and Basement Membrane Matrix Using <i>in vivo</i> X-ray Microcomputed Tomography. <i>Microcirculation</i> , 2014, 21, 159-170.	1.8	8
122	Microâ€“computed tomography assessment of vertebral column defects in retinoic acidâ€“induced rat model of myelomeningocele. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2014, 100, 453-462.	1.6	11
123	Sorafenib Cardiotoxicity Increases Mortality After Myocardial Infarction. <i>Circulation Research</i> , 2014, 114, 1700-1712.	4.5	69
124	Functional interaction between HIV-gp120 and opioid system in the preoptic anterior hypothalamus. <i>Drug and Alcohol Dependence</i> , 2014, 134, 383-386.	3.2	2
125	Loss of Cblâ€“PI3K interaction in mice prevents significant bone loss following ovariectomy. <i>Bone</i> , 2014, 67, 1-9.	2.9	8
126	Greater age and body mass index at baseline are associated with the onset of rapid knee osteoarthritis: data from the osteoarthritis initiative. <i>Osteoarthritis and Cartilage</i> , 2014, 22, S381-S382.	1.3	1

#	ARTICLE	IF	CITATIONS
127	Alterations in Nerve-Evoked Bladder Contractions in a Coronavirus-Induced Mouse Model of Multiple Sclerosis. PLoS ONE, 2014, 9, e109314.	2.5	9
128	TULA-2, a novel histidine phosphatase, regulates bone remodeling by modulating osteoclast function. Cellular and Molecular Life Sciences, 2013, 70, 1269-1284.	5.4	27
129	Serum Biomarkers as Predictors of Stage of Work-related Musculoskeletal Disorders. Journal of the American Academy of Orthopaedic Surgeons, The, 2013, 21, 644-646.	2.5	25
130	The interaction of force and repetition on musculoskeletal and neural tissue responses and sensorimotor behavior in a rat model of work-related musculoskeletal disorders. BMC Musculoskeletal Disorders, 2013, 14, 303.	1.9	110
131	Transverse cervical nerve: Implications for dental anesthesia. Clinical Anatomy, 2013, 26, 688-692.	2.7	20
132	Anatomical feasibility of performing a nerve transfer from the femoral branch to bilateral pelvic nerves in a cadaver: a potential method to restore bladder function following proximal spinal cord injury. Journal of Neurosurgery: Spine, 2013, 18, 598-605.	1.7	11
133	The interaction of force and repetition on systemic inflammatory cytokine response in a rat model. Proceedings of the Human Factors and Ergonomics Society, 2013, 57, 878-882.	0.3	0
134	Increased Serum and Musculotendinous Fibrogenic Proteins following Persistent Low-Grade Inflammation in a Rat Model of Long-Term Upper Extremity Overuse. PLoS ONE, 2013, 8, e71875.	2.5	42
135	Nondestructive microCT imaging of soft tissues using phosphotungstic acidâ€chematoxylin, intravascular contrast agent, and perfluorochemical. FASEB Journal, 2013, 27, 317.2.	0.5	0
136	Increased Serum TNF-Alpha and Matrix Metalloproteinase-2 are Associated With Grip Strength Declines and Tissue Degeneration in a Rat Model of Overuse. Proceedings of the Human Factors and Ergonomics Society, 2012, 56, 743-747.	0.3	0
137	Anatomical feasibility of performing intercostal and ilioinguinal nerve to pelvic nerve transfer: a possible technique to restore lower urinary tract innervation. Journal of Neurosurgery: Spine, 2012, 17, 357-362.	1.7	12
138	The Effects of Thoracic Spine Manipulation in Subjects With Signs of Rotator Cuff Tendinopathy. Journal of Orthopaedic and Sports Physical Therapy, 2012, 42, 1005-1016.	3.5	63
139	The Skeletal siteâ€specific role of connective tissue growth factor in prenatal osteogenesis. Developmental Dynamics, 2012, 241, 1944-1959.	1.8	32
140	103 TRANSFER OF FEMORAL NERVE BRANCHES TO PUDENDAL NERVE BRANCHES REINNERVATES THE URETHRAL AND ANAL SPHINCTERS IN A CANINE MODEL AND IS FEASIBLE IN A CADAVER STUDY. Journal of Urology, 2012, 187, .	0.4	2
141	Impact of prenatal ischemia on behavior, cognitive abilities and neuroanatomy in adult rats with white matter damage. Behavioural Brain Research, 2012, 232, 233-244.	2.2	59
142	Aging Contributes to Inflammation in Upper Extremity Tendons and Declines in Forelimb Agility in a Rat Model of Upper Extremity Overuse. PLoS ONE, 2012, 7, e46954.	2.5	42
143	Neuroanatomical, Sensorimotor and Cognitive Deficits in Adult Rats with White Matter Injury Following Prenatal Ischemia. Brain Pathology, 2012, 22, 1-16.	4.1	56
144	Performance of Repetitive Tasks Induces Decreased Grip Strength and Increased Fibrogenic Proteins in Skeletal Muscle: Role of Force and Inflammation. PLoS ONE, 2012, 7, e38359.	2.5	53

#	ARTICLE	IF	CITATIONS
145	Circular smooth muscle contributes to esophageal shortening during peristalsis. <i>World Journal of Gastroenterology</i> , 2012, 18, 4317.	3.3	16
146	Nervous System Diseases, Disorders, and Bone: Emerging Therapeutics and Treatment Options. , 2012, , 289-308.		0
147	Repair of the Injured Adult Heart Involves New Myocytes Potentially Derived From Resident Cardiac Stem Cells. <i>Circulation Research</i> , 2011, 108, 1226-1237.	4.5	85
148	Different effects on bone strength and cell differentiation in pre pubertal caloric restriction versus hypothalamic suppression. <i>Bone</i> , 2011, 49, 810-818.	2.9	5
149	Mild musculoskeletal and locomotor alterations in adult rats with white matter injury following prenatal ischemia. <i>International Journal of Developmental Neuroscience</i> , 2011, 29, 593-607.	1.6	31
150	Hypothalamic Suppression during Adolescence Varies by Bone Envelope. <i>Medicine and Science in Sports and Exercise</i> , 2011, 43, 608-616.	0.4	2
151	Abrogation of Cblâ€PI3K Interaction Increases Bone Formation and Osteoblast Proliferation. <i>Calcified Tissue International</i> , 2011, 89, 396-410.	3.1	37
152	Aging enhances serum cytokine response but not task-induced grip strength declines in a rat model of work-related musculoskeletal disorders. <i>BMC Musculoskeletal Disorders</i> , 2011, 12, 63.	1.9	24
153	Innervation of parasympathetic postganglionic neurons and bladder detrusor muscle directly after sacral root transection and repair using nerve transfer. <i>Neurourology and Urodynamics</i> , 2011, 30, 599-605.	1.5	16
154	Reinnervation of urethral and anal sphincters with femoral motor nerve to pudendal nerve transfer. <i>Neurourology and Urodynamics</i> , 2011, 30, 1695-1704.	1.5	27
155	Feasibility of a femoral nerve motor branch for transfer to the pudendal nerve for restoring continence: a cadaveric study. <i>Journal of Neurosurgery: Spine</i> , 2011, 15, 526-531.	1.7	20
156	Exposure to Repetitive Tasks Induces Motor Changes Related to Skill Acquisition and Inflammation in Rats. <i>Journal of Motor Behavior</i> , 2011, 43, 465-476.	0.9	31
157	Pharmacologic Specificity of Nicotinic Receptor-Mediated Relaxation of Muscarinic Receptor Precontracted Human Gastric Clasp and Sling Muscle Fibers within the Gastroesophageal Junction. <i>Journal of Pharmacology and Experimental Therapeutics</i> , 2011, 338, 37-46.	2.5	14
158	Acute Effects of a Selective Cannabinoid-2 Receptor Agonist on Neuroinflammation in a Model of Traumatic Brain Injury. <i>Journal of Neurotrauma</i> , 2011, 28, 973-981.	3.4	71
159	Joint Inflammation and Early Degeneration Induced by High-Force Reaching Are Attenuated by Ibuprofen in an Animal Model of Work-Related Musculoskeletal Disorder. <i>Journal of Biomedicine and Biotechnology</i> , 2011, 2011, 1-17.	3.0	32
160	Exposureâ€dependent increases in ILâ€1 ² , substance P, CTGF, and tendinosis in flexor digitorum tendons with upper extremity repetitive strain injury. <i>Journal of Orthopaedic Research</i> , 2010, 28, 298-307.	2.3	91
161	The Potential of Multiple Synovial-Fluid Protein-Concentration Analyses in the Assessment of Knee Osteoarthritis. <i>Journal of Sport Rehabilitation</i> , 2010, 19, 411-421.	1.0	11
162	Is osteoarthritis a heterogeneous disease that can be stratified into subsets?. <i>Clinical Rheumatology</i> , 2010, 29, 123-131.	2.2	93

#	ARTICLE	IF	CITATIONS
163	Temporal and spatial expression of osteoactivin during fracture repair. <i>Journal of Cellular Biochemistry</i> , 2010, 111, 295-309.	2.6	30
164	Role of TNF alpha and PLF in bone remodeling in a rat model of repetitive reaching and grasping. <i>Journal of Cellular Physiology</i> , 2010, 225, 152-167.	4.1	45
165	Cbl- ϕ phosphatidylinositol 3 kinase interaction differentially regulates macrophage colony-stimulating factor-mediated osteoclast survival and cytoskeletal reorganization. <i>Annals of the New York Academy of Sciences</i> , 2010, 1192, 376-384.	3.8	16
166	The Loss of Cbl-Phosphatidylinositol 3-Kinase Interaction Perturbs RANKL-mediated Signaling, Inhibiting Bone Resorption and Promoting Osteoclast Survival. <i>Journal of Biological Chemistry</i> , 2010, 285, 36745-36758.	3.4	32
167	Trunk and Hip Muscle Activation Patterns Are Different During Walking in Young Children With and Without Cerebral Palsy. <i>Physical Therapy</i> , 2010, 90, 986-997.	2.4	64
168	Trunk and hip muscle activity in early walkers with and without cerebral palsy - A frequency analysis. <i>Journal of Electromyography and Kinesiology</i> , 2010, 20, 851-859.	1.7	57
169	Age and electromyographic frequency alterations during walking in children with cerebral palsy. <i>Gait and Posture</i> , 2010, 31, 136-139.	1.4	13
170	Variability and symmetry of gait in early walkers with and without bilateral cerebral palsy. <i>Gait and Posture</i> , 2010, 31, 522-526.	1.4	40
171	Performance of a repetitive task by aged rats leads to median neuropathy and spinal cord inflammation with associated sensorimotor declines. <i>Neuroscience</i> , 2010, 170, 929-941.	2.3	36
172	Induction of Periostin-like Factor and Periostin in Forearm Muscle, Tendon, and Nerve in an Animal Model of Work-related Musculoskeletal Disorder. <i>Journal of Histochemistry and Cytochemistry</i> , 2009, 57, 1061-1073.	2.5	23
173	Long lasting recruitment of immune cells and altered epi-perineurial thickness in focal nerve inflammation induced by complete Freund's adjuvant. <i>Journal of Neuroimmunology</i> , 2009, 213, 26-30.	2.3	22
174	Hypertonic saline attenuates tissue loss and astrocyte hypertrophy in a model of traumatic brain injury. <i>Brain Research</i> , 2009, 1305, 183-191.	2.2	28
175	Periostin-like factor in osteogenesis. <i>Journal of Cellular Physiology</i> , 2009, 218, 584-592.	4.1	56
176	Periostin-like-factor and Periostin in an animal model of work-related musculoskeletal disorder. <i>Bone</i> , 2009, 44, 502-512.	2.9	54
177	High force reaching task induces widespread inflammation, increased spinal cord neurochemicals and neuropathic pain. <i>Neuroscience</i> , 2009, 158, 922-931.	2.3	62
178	Spinal substance P and neurokinin-1 increase with high repetition reaching. <i>Neuroscience Letters</i> , 2009, 454, 33-37.	2.1	20
179	Peripheral and central changes combine to induce motor behavioral deficits in a moderate repetition task. <i>Experimental Neurology</i> , 2009, 220, 234-245.	4.1	41
180	A Clinical Method for Identifying Scapular Dyskinesia, Part 2: Validity. <i>Journal of Athletic Training</i> , 2009, 44, 165-173.	1.8	181

#	ARTICLE	IF	CITATIONS
181	Serum and tissue cytokines and chemokines increase with repetitive upper extremity tasks. <i>Journal of Orthopaedic Research</i> , 2008, 26, 1320-1326.	2.3	66
182	Osteoactivin, an anabolic factor that regulates osteoblast differentiation and function. <i>Experimental Cell Research</i> , 2008, 314, 2334-2351.	2.6	117
183	Peripheral neuritis and increased spinal cord neurochemicals are induced in a model of repetitive motion injury with low force and repetition exposure. <i>Brain Research</i> , 2008, 1218, 103-113.	2.2	48
184	Impact of neonatal asphyxia and hind limb immobilization on musculoskeletal tissues and S1 map organization: Implications for cerebral palsy. <i>Experimental Neurology</i> , 2008, 210, 95-108.	4.1	70
185	Functional Reinnervation of the Canine Bladder after Spinal Root Transection and Genitofemoral Nerve Transfer at One and Three Months after Denervation. <i>Journal of Neurotrauma</i> , 2008, 25, 401-409.	3.4	31
186	Functional Reinnervation of the Canine Bladder after Spinal Root Transection and Immediate Somatic Nerve Transfer. <i>Journal of Neurotrauma</i> , 2008, 25, 214-224.	3.4	29
187	Roles of Reflex Activity and Co-contraction During Assessments of Spasticity of the Knee Flexor and Knee Extensor Muscles in Children With Cerebral Palsy and Different Functional Levels. <i>Physical Therapy</i> , 2008, 88, 1124-1134.	2.4	13
188	Immunolocalization of Periostin-like Factor and Periostin During Embryogenesis. <i>Journal of Histochemistry and Cytochemistry</i> , 2008, 56, 329-345.	2.5	39
189	Serum biomarkers as signals for risk and severity of work-related musculoskeletal injury. <i>Biomarkers in Medicine</i> , 2008, 2, 67-79.	1.4	29
190	Inflammatory biomarkers increase with severity of upper-extremity overuse disorders. <i>Clinical Science</i> , 2007, 112, 305-314.	4.3	93
191	Co-contraction during passive movements of the knee joint in children with cerebral palsy. <i>Clinical Biomechanics</i> , 2007, 22, 1045-1048.	1.2	11
192	Osteoactivin acts as downstream mediator of BMP-2 effects on osteoblast function. <i>Journal of Cellular Physiology</i> , 2007, 210, 26-37.	4.1	68
193	Connective tissue growth factor (CTGF) acts as a downstream mediator of TGF β 1 to induce mesenchymal cell condensation. <i>Journal of Cellular Physiology</i> , 2007, 210, 398-410.	4.1	102
194	A liquid chromatography/mass spectrometric method for simultaneous analysis of arachidonic acid and its endogenous eicosanoid metabolites prostaglandins, dihydroxyeicosatrienoic acids, hydroxyeicosatetraenoic acids, and epoxyeicosatrienoic acids in rat brain tissue. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2007, 43, 1122-1134.	2.8	92
195	245: Functional Reinnervation of Canine Bladder by Genitofemoral to Pelvic Nerve Transfer. <i>Journal of Urology</i> , 2007, 177, 82-82.	0.4	1
196	Role of PLF in Bone Remodeling Following Injury. <i>FASEB Journal</i> , 2007, 21, .	0.5	0
197	Inflammation and the pathophysiology of work-related musculoskeletal disorders. <i>Brain, Behavior, and Immunity</i> , 2006, 20, 423-429.	4.1	173
198	Myocardial hypoperfusion/reperfusion tolerance with exercise training in hypertension. <i>Journal of Applied Physiology</i> , 2006, 100, 541-547.	2.5	20

#	ARTICLE	IF	CITATIONS
199	A peptide from thrombospondin 1 modulates experimental erosive arthritis by regulating connective tissue growth factor. <i>Arthritis and Rheumatism</i> , 2006, 54, 2415-2422.	6.7	21
200	Functional Reinnervation of the Canine Bladder after Spinal Root Transection and Immediate End-on-End Repair. <i>Journal of Neurotrauma</i> , 2006, 23, 1125-1136.	3.4	31
201	Increase in inflammatory cytokines in median nerves in a rat model of repetitive motion injury. <i>Journal of Neuroimmunology</i> , 2005, 167, 13-22.	2.3	68
202	Coexistence of multiple anomalies in the carpal tunnel. <i>Clinical Anatomy</i> , 2005, 18, 251-259.	2.7	21
203	Exercise Training Increases Beta Adrenergic Responsiveness In Hypertension. <i>Medicine and Science in Sports and Exercise</i> , 2005, 37, S417.	0.4	0
204	Performance of a High-Repetition, High-Force Task Induces Carpal Tunnel Syndrome in Rats. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2004, 34, 244-253.	3.5	86
205	Work-Related Musculoskeletal Disorders of the Hand and Wrist: Epidemiology, Pathophysiology, and Sensorimotor Changes. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2004, 34, 610-627.	3.5	179
206	Systemic Inflammatory Mediators Contribute to Widespread Effects in Work-Related Musculoskeletal Disorders. <i>Exercise and Sport Sciences Reviews</i> , 2004, 32, 135-142.	3.0	28
207	Determination of bioactive eicosanoids in brain tissue by a sensitive reversed-phase liquid chromatographic method with fluorescence detection. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2004, 803, 267-277.	2.3	57
208	Inflammation reduces physiological tissue tolerance in the development of work-related musculoskeletal disorders. <i>Journal of Electromyography and Kinesiology</i> , 2004, 14, 77-85.	1.7	62
209	Regulation of Connective Tissue Growth Factor (CTGF) Ameliorates the Disease Course in a Rodent Model of Reactive Arthritis (RA).. <i>Blood</i> , 2004, 104, 3928-3928.	1.4	0
210	Repetitive, Negligible Force Reaching in Rats Induces Pathological Overloading of Upper Extremity Bones. <i>Journal of Bone and Mineral Research</i> , 2003, 18, 2023-2032.	2.8	45
211	Chronic repetitive reaching and grasping results in decreased motor performance and widespread tissue responses in a rat model of MSD. <i>Journal of Orthopaedic Research</i> , 2003, 21, 167-176.	2.3	124
212	Median Nerve Trauma in a Rat Model of Work-Related Musculoskeletal Disorder. <i>Journal of Neurotrauma</i> , 2003, 20, 681-695.	3.4	78
213	Posterior-Anterior Glide of the Femoral Head in the Acetabulum: A Cadaver Study. <i>Journal of Orthopaedic and Sports Physical Therapy</i> , 2003, 33, 118-125.	3.5	20
214	Effect of a Prophylactic Brace on Wrist and Ulnocarpal Joint Biomechanics in a Cadaveric Model. <i>American Journal of Sports Medicine</i> , 2003, 31, 736-743.	4.2	13
215	Dose-Response Relationship between Reach Repetition and Indicators of Inflammation and Movement Dysfunction in a Rat Model of Work-Related Musculoskeletal Disorder. <i>Proceedings of the Human Factors and Ergonomics Society</i> , 2002, 46, 1486-1490.	0.3	4
216	Pathophysiological Tissue Changes Associated With Repetitive Movement: A Review of the Evidence. <i>Physical Therapy</i> , 2002, 82, 173-187.	2.4	126

#	ARTICLE	IF	CITATIONS
217	Prolonged Cyclooxygenase-2 Induction in Neurons and Glia Following Traumatic Brain Injury in the Rat. <i>Journal of Neurotrauma</i> , 2000, 17, 695-711.	3.4	114
218	PATTERNING AND SPECIFICATION OF THE CEREBRAL CORTEX. <i>Annual Review of Neuroscience</i> , 1997, 20, 1-24.	10.7	122
219	Age-dependent specification of the corticocortical connections of cerebral grafts. <i>Journal of Neuroscience</i> , 1995, 15, 1819-1834.	3.6	76
220	The limbic system-associated membrane protein is an Ig superfamily member that mediates selective neuronal growth and axon targeting. <i>Neuron</i> , 1995, 15, 287-297.	8.1	157
221	The early commitment of fetal neurons to the limbic cortex. <i>Journal of Neuroscience</i> , 1991, 11, 519-533.	3.6	189
222	Induction of stress (heat shock) protein 70 and its mRNA in rat corneal epithelium by hyperthermia. <i>Current Eye Research</i> , 1990, 9, 913-918.	1.5	17
223	A membrane glycoprotein associated with the limbic system mediates the formation of the septo-hippocampal pathway in vitro. <i>Neuron</i> , 1989, 3, 551-561.	8.1	78
224	Ibuprofen as a Treatment for Work-Related Musculoskeletal Disorders: Effectiveness versus Caveats. , O, , .		2