

Carlos B Mantilla

List of Publications by Year in descending order

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Version: 2024-02-01

205
papers

6,865
citations

50170

46
h-index

79541

73
g-index

205
all docs

205
docs citations

205
times ranked

5471
citing authors

#	ARTICLE	IF	CITATIONS
1	Frailty Transitions One Year After Total Joint Arthroplasty: A Cohort Study. <i>Journal of Arthroplasty</i> , 2022, 37, 10-18.e2.	1.5	6
2	Automated evaluation of respiratory signals to provide insight into respiratory drive. <i>Respiratory Physiology and Neurobiology</i> , 2022, 300, 103872.	0.7	6
3	Cervical spinal hemisection alters phrenic motor neuron glutamatergic mRNA receptor expression. <i>Experimental Neurology</i> , 2022, 353, 114030.	2.0	7
4	Fiber Type Differences in SDH _{max} and Mitochondrial Volume Density between Diaphragm and Tibialis Anterior Muscles. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
5	Mitochondria Adapt to Diaphragm Muscle Inactivity Imposed by Cervical Spinal Cord Injury. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
6	Automated Evaluation of Respiratory Signals to Provide Insight Into Respiratory Drive. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
7	Age-Related Autophagy Impairment in Cervical and Lumbar Motor Neurons. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
8	Induction of Autophagy in Motor Neurons with Lanthionine Ketamine Analogs. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
9	Autophagy Impairment and Sarcopenia in Type-Identified Muscle Fibers of Aging Extensor Digitorum Longus Muscle. <i>FASEB Journal</i> , 2022, 36, .	0.2	0
10	Mitochondrial adaptations to inactivity in diaphragm muscle fibers. <i>Journal of Applied Physiology</i> , 2022, 133, 191-204.	1.2	8
11	Age-related impairment of autophagy in cervical motor neurons. <i>Experimental Gerontology</i> , 2021, 144, 111193.	1.2	15
12	Peripheral Nerve Blockade with Combined Standard and Liposomal Bupivacaine in Major Lower-Extremity Amputation. <i>Pain Practice</i> , 2021, 21, 299-307.	0.9	1
13	How Is Surgical Risk Best Assessed? A Cohort Comparison of Measures in Total Joint Arthroplasty. <i>Journal of Arthroplasty</i> , 2021, 36, 851-856.e3.	1.5	7
14	TrkB signaling contributes to transdiaphragmatic pressure generation in aged mice. <i>Journal of Neurophysiology</i> , 2021, 125, 1157-1163.	0.9	3
15	Quantifying mitochondrial volume density in phrenic motor neurons. <i>Journal of Neuroscience Methods</i> , 2021, 353, 109093.	1.3	12
16	Acute intrathecal BDNF enhances functional recovery after cervical spinal cord injury in rats. <i>Journal of Neurophysiology</i> , 2021, 125, 2158-2165.	0.9	17
17	Aging and TrkB Signaling Effects on Autophagy Flux in Cervical Spinal Cord. <i>FASEB Journal</i> , 2021, 35, .	0.2	0
18	Peripheral nerve block anesthesia/analgesia for patients undergoing primary hip and knee arthroplasty: recommendations from the International Consensus on Anesthesia-Related Outcomes after Surgery (ICAROS) group based on a systematic review and meta-analysis of current literature. <i>Regional Anesthesia and Pain Medicine</i> , 2021, 46, 971-985.	1.1	77

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19	Three Risk Stratification Tools and Postoperative Pneumonia After Noncardiothoracic Surgery. <i>American Surgeon</i> , 2021, 87, 1207-1213.	0.4	4
20	Heterogeneous glutamatergic receptor mRNA expression across phrenic motor neurons in rats. <i>Journal of Neurochemistry</i> , 2020, 153, 586-598.	2.1	20
21	Diaphragm muscle sarcopenia into very old age in mice. <i>Physiological Reports</i> , 2020, 8, e14305.	0.7	14
22	Aging reduces succinate dehydrogenase activity in rat type IIX/IIb diaphragm muscle fibers. <i>Journal of Applied Physiology</i> , 2020, 128, 70-77.	1.2	24
23	Disproportionate loss of excitatory inputs to smaller phrenic motor neurons following cervical spinal hemisection. <i>Journal of Physiology</i> , 2020, 598, 4693-4711.	1.3	16
24	Inhibition of TrkB kinase activity impairs transdiaphragmatic pressure generation. <i>Journal of Applied Physiology</i> , 2020, 128, 338-344.	1.2	9
25	Neuraxial anesthesia is associated with improved survival after total joint arthroplasty depending on frailty: a cohort study. <i>Regional Anesthesia and Pain Medicine</i> , 2020, 45, 405-411.	1.1	12
26	Glutamatergic input varies with phrenic motor neuron size. <i>Journal of Neurophysiology</i> , 2019, 122, 1518-1529.	0.9	19
27	Anaesthetic care of patients undergoing primary hip and knee arthroplasty: consensus recommendations from the International Consensus on Anaesthesia-Related Outcomes after Surgery group (ICAROS) based on a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2019, 123, 269-287.	1.5	186
28	Frequency-dependent lipid raft uptake at rat diaphragm muscle axon terminals. <i>Muscle and Nerve</i> , 2019, 59, 611-618.	1.0	15
29	Diaphragm neuromuscular transmission failure in aged rats. <i>Journal of Neurophysiology</i> , 2019, 122, 93-104.	0.9	42
30	Impact of sarcopenia on diaphragm muscle fatigue. <i>Experimental Physiology</i> , 2019, 104, 1090-1099.	0.9	34
31	Impact of Frailty on Outcomes After Primary and Revision Total Hip Arthroplasty. <i>Journal of Arthroplasty</i> , 2019, 34, 56-64.e5.	1.5	57
32	Diaphragm muscle function following midcervical contusion injury in rats. <i>Journal of Applied Physiology</i> , 2019, 126, 221-230.	1.2	40
33	Frailty Index Is Associated With Periprosthetic Fracture and Mortality After Total Knee Arthroplasty. <i>Orthopedics</i> , 2019, 42, 335-343.	0.5	18
34	Acute Impact of Disrupting BDNF/TrkB Signaling on Diaphragm Muscle Force Generation across Motor Behaviors. <i>FASEB Journal</i> , 2019, 33, 844.13.	0.2	0
35	Aging effects on oxidative capacity in type I identified diaphragm muscle fibers. <i>FASEB Journal</i> , 2019, 33, 539.3.	0.2	0
36	The Role of TrkB Kinase Activity in Stabilization of Presynaptic Terminals Wanes in Old Age. <i>FASEB Journal</i> , 2019, 33, 844.11.	0.2	0

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37	Age does not increase muscle fatigue resistance of the diaphragm. <i>FASEB Journal</i> , 2019, 33, 538.4.	0.2	0
38	The Effect of TNF α on Mitochondrial Morphology in Model (NSC β 4) Motor Neurons. <i>FASEB Journal</i> , 2019, 33, 542.17.	0.2	1
39	Distribution of Ipsilateral and Contralateral Glutamatergic Synaptic Inputs to Phrenic Motor Neurons. <i>FASEB Journal</i> , 2019, 33, 844.14.	0.2	0
40	Uptake and intracellular fate of cholera toxin subunit b-modified mesoporous silica nanoparticle-supported lipid bilayers (aka protocells) in motoneurons. <i>Nanomedicine: Nanotechnology, Biology, and Medicine</i> , 2018, 14, 661-672.	1.7	15
41	Fatigue failure of the bolts connecting a Francis turbine with the shaft. <i>Engineering Failure Analysis</i> , 2018, 90, 1-13.	1.8	39
42	Phrenic motoneuron structural plasticity across models of diaphragm muscle paralysis. <i>Journal of Comparative Neurology</i> , 2018, 526, 2973-2983.	0.9	16
43	Diaphragm muscle activity across respiratory motor behaviors in awake and lightly anesthetized rats. <i>Journal of Applied Physiology</i> , 2018, 124, 915-922.	1.2	9
44	Impact of aging on diaphragm muscle function in male and female Fischer 344 rats. <i>Physiological Reports</i> , 2018, 6, e13786.	0.7	50
45	Breathing: Motor Control of Diaphragm Muscle. <i>Physiology</i> , 2018, 33, 113-126.	1.6	71
46	Phrenic motor neuron loss in aged rats. <i>Journal of Neurophysiology</i> , 2018, 119, 1852-1862.	0.9	57
47	Impaired Autophagy in Motor Neurons: A Final Common Mechanism of Injury and Death. <i>Physiology</i> , 2018, 33, 211-224.	1.6	20
48	BDNF effects on functional recovery across motor behaviors after cervical spinal cord injury. <i>Journal of Neurophysiology</i> , 2017, 117, 537-544.	0.9	33
49	Diaphragm electromyographic activity following unilateral midcervical contusion injury in rats. <i>Journal of Neurophysiology</i> , 2017, 117, 545-555.	0.9	37
50	Chronic TrkB agonist treatment in old age does not mitigate diaphragm neuromuscular dysfunction. <i>Physiological Reports</i> , 2017, 5, e13103.	0.7	21
51	Compensatory effects following unilateral diaphragm paralysis. <i>Respiratory Physiology and Neurobiology</i> , 2017, 246, 39-46.	0.7	26
52	Continuous Posterior Lumbar Plexus Nerve Block Versus Periarticular Injection with Ropivacaine or Liposomal Bupivacaine for Total Hip Arthroplasty. <i>Journal of Bone and Joint Surgery - Series A</i> , 2017, 99, 1836-1845.	1.4	54
53	Impact of glutamatergic and serotonergic neurotransmission on diaphragm muscle activity after cervical spinal hemisection. <i>Journal of Neurophysiology</i> , 2017, 118, 1732-1738.	0.9	13
54	Gene therapy and respiratory neuroplasticity. <i>Experimental Neurology</i> , 2017, 287, 261-267.	2.0	4

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55	Motoneuron glutamatergic receptor expression following recovery from cervical spinal hemisection. <i>Journal of Comparative Neurology</i> , 2017, 525, 1192-1205.	0.9	28
56	Functional Development of Respiratory Muscles. , 2017, , 692-705.e3.		3
57	A Three-arm Randomized Clinical Trial Comparing Continuous Femoral Plus Single-injection Sciatic Peripheral Nerve Blocks <i>versus</i> Periarticular Injection with Ropivacaine or Liposomal Bupivacaine for Patients Undergoing Total Knee Arthroplasty. <i>Anesthesiology</i> , 2017, 126, 1139-1150.	1.3	74
58	Increased Risk of Postthoracotomy Pain Syndrome in Patients with Prolonged Hospitalization and Increased Postoperative Opioid Use. <i>Pain Research and Treatment</i> , 2016, 2016, 1-6.	1.7	8
59	The Impact of Midcervical Contusion Injury on Diaphragm Muscle Function. <i>Journal of Neurotrauma</i> , 2016, 33, 500-509.	1.7	34
60	Diaphragm muscle sarcopenia in Fischer 344 and Brown Norway rats. <i>Experimental Physiology</i> , 2016, 101, 883-894.	0.9	29
61	Perioperative Nerve Injury After Peripheral Nerve Block in Patients With Previous Systemic Chemotherapy. <i>Regional Anesthesia and Pain Medicine</i> , 2016, 41, 685-690.	1.1	6
62	Ageing-related changes in respiratory system mechanics and morphometry in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L167-L176.	1.3	34
63	A novel approach for targeted delivery to motoneurons using cholera toxin-B modified protocells. <i>Journal of Neuroscience Methods</i> , 2016, 273, 160-174.	1.3	26
64	Functional Measurement of Respiratory Muscle Motor Behaviors Using Transdiaphragmatic Pressure. <i>Methods in Molecular Biology</i> , 2016, 1460, 309-319.	0.4	18
65	Intrathecal Hydromorphone and Morphine for Postcesarean Delivery Analgesia: Determination of the ED90 Using a Sequential Allocation Biased-Coin Method. <i>Anesthesia and Analgesia</i> , 2016, 123, 690-697.	1.1	29
66	TrkB gene therapy by adeno-associated virus enhances recovery after cervical spinal cord injury. <i>Experimental Neurology</i> , 2016, 276, 31-40.	2.0	34
67	Neuraxial vs general anaesthesia for total hip and total knee arthroplasty: a systematic review of comparative-effectiveness research. <i>British Journal of Anaesthesia</i> , 2016, 116, 163-176.	1.5	181
68	Functional recovery after cervical spinal cord injury: Role of neurotrophin and glutamatergic signaling in phrenic motoneurons. <i>Respiratory Physiology and Neurobiology</i> , 2016, 226, 128-136.	0.7	30
69	Functional impact of sarcopenia in respiratory muscles. <i>Respiratory Physiology and Neurobiology</i> , 2016, 226, 137-146.	0.7	75
70	Ageing and neurotrophic signalling effects on diaphragm neuromuscular function. <i>Journal of Physiology</i> , 2015, 593, 431-440.	1.3	56
71	Functional impact of diaphragm muscle sarcopenia in both male and female mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L46-L52.	1.3	58
72	Retrospective Derivation and Validation of an Automated Electronic Search Algorithm to Identify Post operative Cardiovascular and Thromboembolic Complications. <i>Applied Clinical Informatics</i> , 2015, 06, 565-576.	0.8	22

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73	Role of TrkB kinase activity in aging diaphragm neuromuscular junctions. <i>Experimental Gerontology</i> , 2015, 72, 184-191.	1.2	32
74	Impact of unilateral denervation on transdiaphragmatic pressure. <i>Respiratory Physiology and Neurobiology</i> , 2015, 210, 14-21.	0.7	29
75	Semi-automated assessment of transdiaphragmatic pressure variability across motor behaviors. <i>Respiratory Physiology and Neurobiology</i> , 2015, 215, 73-81.	0.7	13
76	Analysis of muscle fiber clustering in the diaphragm muscle of sarcopenic mice. <i>Muscle and Nerve</i> , 2015, 52, 76-82.	1.0	44
77	Localized Delivery of Brain-Derived Neurotrophic Factor-Expressing Mesenchymal Stem Cells Enhances Functional Recovery following Cervical Spinal Cord Injury. <i>Journal of Neurotrauma</i> , 2015, 32, 185-193.	1.7	72
78	Respiratory Muscle Plasticity. , 2015, 2, 1441-1462.		26
79	Assessment of Diaphragm EMG Activity Recovery Following Upper Cervical Spinal Cord Injury. <i>FASEB Journal</i> , 2015, 29, 659.9.	0.2	0
80	Diaphragm Muscle Sarcopenia is Present in Both Male and Female Mice. <i>FASEB Journal</i> , 2015, 29, 660.7.	0.2	0
81	A Novel Approach to Target Motoneurons Using Mesoporous Silica Nanoparticles. <i>FASEB Journal</i> , 2015, 29, 660.9.	0.2	0
82	Mesenchymal Stem Cell Survival after Intraspinal Transplantation. <i>FASEB Journal</i> , 2015, 29, 1013.4.	0.2	0
83	A Novel Method to Quantify Diaphragm Muscle Fiber Type Clustering in the Context of Sarcopenia. <i>FASEB Journal</i> , 2015, 29, 660.8.	0.2	0
84	Unilateral Denervation of the Diaphragm Muscle Increases Central Drive Only During Ventilatory Behaviors. <i>FASEB Journal</i> , 2015, 29, 1013.5.	0.2	0
85	Recruitment of rat diaphragm motor units across motor behaviors with different levels of diaphragm activation. <i>Journal of Applied Physiology</i> , 2014, 117, 1308-1316.	1.2	59
86	Convergence of Pattern Generator Outputs on a Common Mechanism of Diaphragm Motor Unit Recruitment. <i>Progress in Brain Research</i> , 2014, 209, 309-329.	0.9	28
87	TrkB kinase activity maintains synaptic function and structural integrity at adult neuromuscular junctions. <i>Journal of Applied Physiology</i> , 2014, 117, 910-920.	1.2	47
88	TrkB kinase activity is critical for recovery of respiratory function after cervical spinal cord hemisection. <i>Experimental Neurology</i> , 2014, 261, 190-195.	2.0	44
89	Impact of diaphragm muscle fiber atrophy on neuromotor control. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 411-418.	0.7	20
90	Motoneuron BDNF/TrkB signaling enhances functional recovery after cervical spinal cord injury. <i>Experimental Neurology</i> , 2013, 247, 101-109.	2.0	92

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91	CrossTalk opposing view: The diaphragm muscle does not atrophy as a result of inactivity. Journal of Physiology, 2013, 591, 5259-5262.	1.3	8
92	Dynamics and coexistence in a system with intraguild mutualism. Ecological Complexity, 2013, 14, 64-74.	1.4	13
93	Diaphragm muscle sarcopenia in aging mice. Experimental Gerontology, 2013, 48, 881-887.	1.2	107
94	Novel method for transdiaphragmatic pressure measurements in mice. Respiratory Physiology and Neurobiology, 2013, 188, 56-59.	0.7	28
95	Have Bilateral Total Knee Arthroplasties Become Safer?: A Population-Based Trend Analysis. Clinical Orthopaedics and Related Research, 2013, 471, 17-25.	0.7	39
96	Non-stationarity and power spectral shifts in EMG activity reflect motor unit recruitment in rat diaphragm muscle. Respiratory Physiology and Neurobiology, 2013, 185, 400-409.	0.7	48
97	Prolonged C ₂ spinal hemisection-induced inactivity reduces diaphragm muscle specific force with modest, selective atrophy of type Iix and/or IIb fibers. Journal of Applied Physiology, 2013, 114, 380-386.	1.2	55
98	Dual-Epidural Catheter Technique and Perioperative Outcomes After Ivor-Lewis Esophagectomy. Regional Anesthesia and Pain Medicine, 2013, 38, 3-8.	1.1	14
99	Falls and major orthopaedic surgery with peripheral nerve blockade: a systematic review and meta-analysis. British Journal of Anaesthesia, 2013, 110, 518-528.	1.5	131
100	Cricoid pressure training using simulation: a systematic review and meta-analysis. British Journal of Anaesthesia, 2013, 111, 338-346.	1.5	36
101	Rebuttal from Gary C. Sieck and Carlos B. Mantilla. Journal of Physiology, 2013, 591, 5265-5265.	1.3	0
102	Mechanical Properties of Respiratory Muscles. , 2013, 3, 1533-1567.		70
103	Neuromotor control in chronic obstructive pulmonary disease. Journal of Applied Physiology, 2013, 114, 1246-1252.	1.2	15
104	Physiology's Impact: Discovering Life. Physiology, 2013, 28, 138-139.	1.6	0
105	<i>Physiology's</i> Impact: Discovering Life. Physiology, 2013, 28, 212-213.	1.6	0
106	Targeted Delivery of TrkB Receptor to Phrenic Motoneurons Enhances Functional Recovery of Rhythmic Phrenic Activity after Cervical Spinal Hemisection. PLoS ONE, 2013, 8, e64755.	1.1	58
107	Transdiaphragmatic pressure measurements reveal age-related diaphragm muscle dysfunction during non-ventilatory behaviors. FASEB Journal, 2013, 27, 719.7.	0.2	2
108	TrkB kinase activity is necessary for spontaneous recovery of ipsilateral rhythmic phrenic activity following cervical spinal cord hemisection. FASEB Journal, 2013, 27, 719.5.	0.2	1

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109	Orderly Recruitment of Diaphragm Motor Units Across Ventilatory and Non-Ventilatory Motor Behaviors. <i>FASEB Journal</i> , 2013, 27, 719.8.	0.2	0
110	Glutamatergic neurotransmission plays a role in BDNF/TrkB-induced enhancement of functional recovery after cervical spinal hemisection. <i>FASEB Journal</i> , 2013, 27, 719.6.	0.2	0
111	Perioperative Nerve Injury After Total Shoulder Arthroplasty. <i>Regional Anesthesia and Pain Medicine</i> , 2012, 37, 490-494.	1.1	50
112	Electromyogram-triggered inspiratory event detection algorithm. , 2012, , .		6
113	Nonalcoholic Steatohepatitis in Bariatric Patients with a Diagnosis of Obstructive Sleep Apnea. <i>Obesity Facts</i> , 2012, 5, 587-596.	1.6	13
114	Reduced Ribosomal Protein S6 Phosphorylation After Progressive Resistance Exercise in Growing Adolescent Rats. <i>Journal of Strength and Conditioning Research</i> , 2012, 26, 1657-1666.	1.0	16
115	Systems biology of skeletal muscle: fiber type as an organizing principle. <i>Wiley Interdisciplinary Reviews: Systems Biology and Medicine</i> , 2012, 4, 457-473.	6.6	60
116	Phrenic motoneuron expression of serotonergic and glutamatergic receptors following upper cervical spinal cord injury. <i>Experimental Neurology</i> , 2012, 234, 191-199.	2.0	48
117	Chronic Postthoracotomy Pain and Health-Related Quality of Life. <i>Annals of Thoracic Surgery</i> , 2012, 93, 1242-1247.	0.7	62
118	Preoperative Gabapentin for Acute Post-thoracotomy Analgesia: A Randomized, Double-Blinded, Active Placebo-Controlled Study. <i>Pain Practice</i> , 2012, 12, 175-183.	0.9	73
119	Structure-activity relationships in rodent diaphragm muscle fibers vs. neuromuscular junctions. <i>Respiratory Physiology and Neurobiology</i> , 2012, 180, 88-96.	0.7	63
120	The novel TrkB receptor agonist 7,8-dihydroxyflavone enhances neuromuscular transmission. <i>Muscle and Nerve</i> , 2012, 45, 274-276.	1.0	37
121	Nonlinear Time-Domain Analysis of EMG Activity Reveals the Timing of Motor Unit Recruitment in Diaphragm Muscle. <i>FASEB Journal</i> , 2012, 26, 1b828.	0.2	0
122	Role of bone marrow-derived mesenchymal stem cells in recovery following cervical spinal hemisection. <i>FASEB Journal</i> , 2012, 26, 1147.1.	0.2	0
123	Adeno-associated viral delivery of TrkB receptor enhances functional recovery after cervical spinal hemisection. <i>FASEB Journal</i> , 2012, 26, 1b822.	0.2	2
124	Reduced ventilatory function and sarcopenia of the diaphragm muscle in a mouse model of advanced aging. <i>FASEB Journal</i> , 2012, 26, 1b779.	0.2	0
125	Impact of TrkB signaling on recovery of phrenic activity after cervical spinal cord injury in rats. <i>FASEB Journal</i> , 2012, 26, 1147.2.	0.2	0
126	Age-Related Remodeling of Neuromuscular Junctions. , 2011, , 37-54.		4

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127	Perioperative Nerve Injury after Total Knee Arthroplasty. <i>Anesthesiology</i> , 2011, 114, 311-317.	1.3	82
128	Risk for perioperative myocardial infarction and mortality in patients undergoing hip or knee arthroplasty: the role of anemia. <i>Transfusion</i> , 2011, 51, 82-91.	0.8	46
129	Chronic assessment of diaphragm muscle EMG activity across motor behaviors. <i>Respiratory Physiology and Neurobiology</i> , 2011, 177, 176-182.	0.7	54
130	Phrenic motor unit recruitment during ventilatory and non-ventilatory behaviors. <i>Respiratory Physiology and Neurobiology</i> , 2011, 179, 57-63.	0.7	75
131	Intracellular signaling pathways regulating net protein balance following diaphragm muscle denervation. <i>American Journal of Physiology - Cell Physiology</i> , 2011, 300, C318-C327.	2.1	31
132	Perioperative Nerve Injury after Total Hip Arthroplasty. <i>Anesthesiology</i> , 2011, 115, 1172-1178.	1.3	56
133	Functional Development of Respiratory Muscles. , 2011, , 937-952.		1
134	Frequency domain analysis of diaphragm muscle EMG activity across ventilatory and non-ventilatory motor behaviors. <i>FASEB Journal</i> , 2011, 25, 1111.24.	0.2	3
135	Smoking and Pain. <i>Anesthesiology</i> , 2010, 113, 977-992.	1.3	245
136	Diaphragm motor unit recruitment in rats. <i>Respiratory Physiology and Neurobiology</i> , 2010, 173, 101-106.	0.7	115
137	Neuregulin-1 at synapses on phrenic motoneurons. <i>Journal of Comparative Neurology</i> , 2010, 518, 4213-4225.	0.9	39
138	Associations between Heat Pain Perception and Pain Severity among Patients with Chronic Pain. <i>Pain Medicine</i> , 2010, 11, 1554-1563.	0.9	20
139	Associations between Heat Pain Perception and Opioid Dose among Patients with Chronic Pain Undergoing Opioid Tapering. <i>Pain Medicine</i> , 2010, 11, 1587-1598.	0.9	55
140	Modeling Diaphragm Motor Unit Recruitment Across Ventilatory Behaviors. , 2010, , .		0
141	Impairment of diaphragm muscle force and neuromuscular transmission after normothermic cardiopulmonary bypass: effect of low-dose inhaled CO. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 298, R784-R789.	0.9	19
142	Neurotrophins in lung health and disease. <i>Expert Review of Respiratory Medicine</i> , 2010, 4, 395-411.	1.0	80
143	Complexity in intracellular regulation of protein balance following unilateral diaphragm denervation. <i>FASEB Journal</i> , 2010, 24, 1046.2.	0.2	0
144	Motor Unit Recruitment Order in Diaphragm Muscle Following Spinal Cord Injury. <i>FASEB Journal</i> , 2010, 24, 1064.15.	0.2	1

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145	Neuregulin improves neuromuscular transmission in diaphragm muscle of young rats. FASEB Journal, 2010, 24, 1064.12.	0.2	0
146	Neurotrophins improve neuromuscular transmission in rats with myasthenia gravis. FASEB Journal, 2010, 24, 1064.13.	0.2	0
147	Neuregulin reduces protein degradation in skeletal muscle in a PI3 kinase/Akt and MAP kinase dependent manner. FASEB Journal, 2010, 24, .	0.2	0
148	Impact of BDNF/TrkB signaling on recovery of phrenic activity after cervical spinal cord injury in rats. FASEB Journal, 2010, 24, 1064.14.	0.2	0
149	Correlation of respiratory activity of contralateral diaphragm muscles for evaluation of recovery following hemiparesis. , 2009, 2009, 404-7.		20
150	The effect of denervation on protein synthesis and degradation in adult rat diaphragm muscle. Journal of Applied Physiology, 2009, 107, 438-444.	1.2	50
151	Role of neurotrophins in recovery of phrenic motor function following spinal cord injury. Respiratory Physiology and Neurobiology, 2009, 169, 218-225.	0.7	43
152	Neuromuscular adaptations to respiratory muscle inactivity. Respiratory Physiology and Neurobiology, 2009, 169, 133-140.	0.7	51
153	Foreword to Special Issue: Spinal cord injuryâ€™Neuroplasticity and recovery of respiratory function. Respiratory Physiology and Neurobiology, 2009, 169, 83-84.	0.7	2
154	Preoperative gabapentin in patients undergoing primary total knee arthroplasty. Acute Pain, 2009, 11, 57-63.	0.1	6
155	Retrograde labeling of phrenic motoneurons by intrapleural injection. Journal of Neuroscience Methods, 2009, 182, 244-249.	1.3	107
156	Novel method for physiological recruitment of diaphragm motor units after upper cervical spinal cord injury. Journal of Applied Physiology, 2009, 107, 641-642.	1.2	7
157	Skeletal Muscle Changes in Hypothyroidism. , 2009, , 1087-1101.		2
158	Neuregulinâ€1: a trophic factor for phrenic motoneurons. FASEB Journal, 2009, 23, 783.4.	0.2	0
159	Enhanced threeâ€dimensional visualization of rat phrenic motoneurons.. FASEB Journal, 2009, 23, 783.3.	0.2	0
160	Recruitment Order of Diaphragm Motor Units During Different Respiratory Behaviors. FASEB Journal, 2009, 23, 1010.6.	0.2	0
161	Unilateral denervation changes NRG/ErbB signaling in adult rat diaphragm muscle. FASEB Journal, 2009, 23, 782.8.	0.2	0
162	Trophic factor expression in phrenic motor neurons. Respiratory Physiology and Neurobiology, 2008, 164, 252-262.	0.7	28

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163	Effect of Mechanical Ventilation on the Diaphragm. <i>New England Journal of Medicine</i> , 2008, 358, 1392-1394.	13.9	30
164	Developmental effects on myonuclear domain size of rat diaphragm fibers. <i>Journal of Applied Physiology</i> , 2008, 104, 787-794.	1.2	34
165	Key aspects of phrenic motoneuron and diaphragm muscle development during the perinatal period. <i>Journal of Applied Physiology</i> , 2008, 104, 1818-1827.	1.2	46
166	Neuregulin decreases protein degradation in skeletal muscle. <i>FASEB Journal</i> , 2008, 22, 757.34.	0.2	0
167	Neuregulin minimizes protein degradation induced by dexamethasone. <i>FASEB Journal</i> , 2008, 22, 754.4.	0.2	0
168	Spinal cord hemisection disrupts descending neuregulin input to phrenic motoneurons. <i>FASEB Journal</i> , 2008, 22, 1232.5.	0.2	0
169	Satellite cell addition is/is not obligatory for skeletal muscle hypertrophy. <i>Journal of Applied Physiology</i> , 2007, 103, 1104-1106.	1.2	25
170	Synaptic vesicle pools at diaphragm neuromuscular junctions vary with motoneuron soma, not axon terminal, inactivity. <i>Neuroscience</i> , 2007, 146, 178-189.	1.1	67
171	Synaptic Vesicle Distribution and Release at Rat Diaphragm Neuromuscular Junctions. <i>Journal of Neurophysiology</i> , 2007, 98, 478-487.	0.9	47
172	Safety factor for neuromuscular transmission at type-identified diaphragm fibers. <i>Muscle and Nerve</i> , 2007, 35, 800-803.	1.0	36
173	Neurotrophins improve synaptic transmission in the adult rodent diaphragm. <i>Neurophysiology</i> , 2007, 39, 284-293.	0.2	4
174	Recruitment order of diaphragm muscle (DIAM) motor units is maintained with the restoration of rhythmic DIAM activity following cervical C2 spinal cord hemisection. <i>FASEB Journal</i> , 2007, 21, A559.	0.2	0
175	Phrenic motoneuron expression of neurotrophins and their receptor TrkB following cervical C2 spinal cord hemisection. <i>FASEB Journal</i> , 2007, 21, A560.	0.2	0
176	Mechanisms underlying myosin heavy chain expression during development of the rat diaphragm muscle. <i>Journal of Applied Physiology</i> , 2006, 101, 1546-1555.	1.2	34
177	Denervation effects on myonuclear domain size of rat diaphragm fibers. <i>Journal of Applied Physiology</i> , 2006, 100, 1617-1622.	1.2	66
178	Optimizing conditions and avoiding pitfalls for prolonged axonal tracing with carbocyanine dyes in fixed rat spinal cords. <i>Journal of Neuroscience Methods</i> , 2006, 154, 256-263.	1.3	16
179	EMG-Based Detection of Inspiration in the Rat Diaphragm Muscle. , 2006, 2006, 1204-7.		27
180	Neuregulin-dependent protein synthesis in C2C12 myotubes and rat diaphragm muscle. <i>American Journal of Physiology - Cell Physiology</i> , 2006, 291, C1056-C1061.	2.1	30

#	ARTICLE	IF	CITATIONS
181	Neurotrophin effects on intracellular Ca ²⁺ and force in airway smooth muscle. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2006, 291, L447-L456.	1.3	60
182	NEUROMUSCULAR TRANSMISSION SAFETY FACTOR VARIES ACROSS DIAPHRAGM MUSCLE FIBER TYPE. FASEB Journal, 2006, 20, A1210.	0.2	0
183	DIAPHRAGM MUSCLE PROTEIN UBIQUITINATION FOLLOWING UNILATERAL DENERVATION. FASEB Journal, 2006, 20, A803.	0.2	0
184	EMG-Based Detection of Inspiration in the Rat Diaphragm Muscle. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2006, , .	0.5	0
185	Differential Inhibition of Neuronal Na ⁺ -Ca ²⁺ Exchange versus Store-operated Ca ²⁺ Channels by Volatile Anesthetics in Pheochromocytoma (PC12) Cells. Anesthesiology, 2005, 103, 93-101.	1.3	9
186	Sodium Oxybate (¹³ -Hydroxybutyrate): Anesthetic Agent or Source of Anesthetic Interactions?. Mayo Clinic Proceedings, 2005, 80, 960.	1.4	6
187	Respiratory muscle plasticity. Respiratory Physiology and Neurobiology, 2005, 147, 235-251.	0.7	41
188	Influence of corticosteroids on myonuclear domain size in the rat diaphragm muscle. Journal of Applied Physiology, 2004, 97, 1715-1722.	1.2	26
189	The Role of Cyclic-ADP-Ribose-Signaling Pathway in Oxytocin-Induced Ca ²⁺ Transients in Human Myometrium Cells. Endocrinology, 2004, 145, 881-889.	1.4	78
190	Neurotrophins improve neuromuscular transmission in the adult rat diaphragm. Muscle and Nerve, 2004, 29, 381-386.	1.0	81
191	Synaptic vesicle cycling at type-identified diaphragm neuromuscular junctions. Muscle and Nerve, 2004, 30, 774-783.	1.0	31
192	Influence of sex hormones on the neuromuscular junction. Advances in Molecular and Cell Biology, 2004, 34, 183-194.	0.1	1
193	Effect of Neurolytic Celiac Plexus Block on Pain Relief, Quality of Life, and Survival in Patients With Unresectable Pancreatic Cancer. JAMA - Journal of the American Medical Association, 2004, 291, 1092.	3.8	451
194	Functional Development of Respiratory Muscles. , 2004, , 848-863.		0
195	Risk Factors for Clinically Relevant Pulmonary Embolism and Deep Venous Thrombosis in Patients Undergoing Primary Hip or Knee Arthroplasty. Anesthesiology, 2003, 99, 552-560.	1.3	205
196	Denervation-induced changes in myosin heavy chain expression in the rat diaphragm muscle. Journal of Applied Physiology, 2003, 95, 611-619.	1.2	47
197	Invited Review: Mechanisms underlying motor unit plasticity in the respiratory system. Journal of Applied Physiology, 2003, 94, 1230-1241.	1.2	64
198	Regulation of neuromuscular transmission by neurotrophins. Acta Physiologica Sinica, 2003, 55, 617-24.	0.5	15

#	ARTICLE	IF	CITATIONS
199	Frequency of Myocardial Infarction, Pulmonary Embolism, Deep Venous Thrombosis, and Death following Primary Hip or Knee Arthroplasty. <i>Anesthesiology</i> , 2002, 96, 1140-1146.	1.3	320
200	Mechanism of Endothelial Dysfunction in Apolipoprotein E-deficient Mice. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2001, 21, 1017-1022.	1.1	153
201	Regional differences in serotonergic input to canine parasternal intercostal motoneurons. <i>Journal of Applied Physiology</i> , 2000, 88, 1581-1589.	1.2	16
202	Phrenic motoneuron morphology during rapid diaphragm muscle growth. <i>Journal of Applied Physiology</i> , 2000, 89, 563-572.	1.2	85
203	[17] Volume measurements in confocal microscopy. <i>Methods in Enzymology</i> , 1999, 307, 296-315.	0.4	29
204	Inhaled Corticosteroids and Bone Density. <i>Chest</i> , 1995, 107, 1477.	0.4	1
205	Rapid semi-automated segmentation and analysis of neuronal morphology and function from confocal image data. , 0, , .		1