

# James P Butler

## List of Publications by Year in descending order

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169  
papers

15,190  
citations

26630

56  
h-index

20358

116  
g-index

179  
all docs

179  
docs citations

179  
times ranked

10741  
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel jamming phase diagram links tumor invasion to non-equilibrium phase separation. <i>IScience</i> , 2021, 24, 103252.	4.1	43
2	Unjamming and collective migration in MCF10A breast cancer cell lines. <i>Biochemical and Biophysical Research Communications</i> , 2020, 521, 706-715.	2.1	42
3	In primary airway epithelial cells, the unjamming transition is distinct from the epithelial-to-mesenchymal transition. <i>Nature Communications</i> , 2020, 11, 5053.	12.8	107
4	Epithelial layer unjamming shifts energy metabolism toward glycolysis. <i>Scientific Reports</i> , 2020, 10, 18302.	3.3	30
5	Relationship between velocities, tractions, and intercellular stresses in the migrating epithelial monolayer. <i>Physical Review E</i> , 2020, 101, 062405.	2.1	2
6	Emotional therapy using Internet of Things for behavioral and psychological symptoms of dementia. <i>Geriatrics and Gerontology International</i> , 2020, 20, 502-503.	1.5	0
7	Dramatic Performance by a Professional Actor for the Treatment of Patients with Behavioral and Psychological Symptoms of Dementia. <i>Tohoku Journal of Experimental Medicine</i> , 2020, 252, 263-267.	1.2	4
8	Ocean wave energy, solar radiation, and characteristic times on the back of a Purcell envelope. <i>American Journal of Physics</i> , 2019, 87, 693-693.	0.7	0
9	Antipsychotic drug use and favourable natures of emotional functions in patients with dementia. <i>Psychogeriatrics</i> , 2019, 19, 320-324.	1.2	5
10	The tumor suppressor p53 can promote collective cellular migration. <i>PLoS ONE</i> , 2019, 14, e0202065.	2.5	12
11	Gamma-oryzanol for behavioural and psychological symptoms of dementia. <i>Psychogeriatrics</i> , 2018, 18, 151-152.	1.2	8
12	Quantifying the Arousal Threshold Using Polysomnography in Obstructive Sleep Apnea. <i>Sleep</i> , 2018, 41, .	1.1	119
13	Long-range stress transmission guides endothelial gap formation. <i>Biochemical and Biophysical Research Communications</i> , 2018, 495, 749-754.	2.1	16
14	Geometric constraints during epithelial jamming. <i>Nature Physics</i> , 2018, 14, 613-620.	16.7	196
15	Contact guidance and collective migration in the advancing epithelial monolayer. <i>Connective Tissue Research</i> , 2018, 59, 309-315.	2.3	11
16	Transient stretch induces cytoskeletal fluidization through the severing action of cofilin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2018, 314, L799-L807.	2.9	24
17	Core symptoms and peripheral symptoms of dementia. <i>Geriatrics and Gerontology International</i> , 2018, 18, 979-980.	1.5	3
18	Identifying obstructive sleep apnoea patients responsive to supplemental oxygen therapy. <i>European Respiratory Journal</i> , 2018, 52, 1800674.	6.7	96

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19	Forces, Flows, Fluorescence, and $\frac{1}{4}$ Fluidics. <i>Biophysical Journal</i> , 2017, 112, 1293-1294.	0.5	1
20	Stable Breathing in Patients With Obstructive Sleep Apnea Is Associated With Increased Effort but Not Lowered Metabolic Rate. <i>Sleep</i> , 2017, 40, .	1.1	9
21	Airflow Shape Is Associated With the Pharyngeal Structure Causing OSA. <i>Chest</i> , 2017, 152, 537-546.	0.8	106
22	Resonance as the Mechanism of Daytime Periodic Breathing in Patients with Heart Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 237-246.	5.6	20
23	Modeling the adenosine system as a modulator of cognitive performance and sleep patterns during sleep restriction and recovery. <i>PLoS Computational Biology</i> , 2017, 13, e1005759.	3.2	21
24	Kisspeptin Responsiveness Signals Emergence of Reproductive Endocrine Activity: Implications for Human Puberty. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2016, 101, 3061-3069.	3.6	24
25	Collective migration and cell jamming in asthma, cancer and development. <i>Journal of Cell Science</i> , 2016, 129, 3375-83.	2.0	126
26	Non-equilibrium cytoquake dynamics in cytoskeletal remodeling and stabilization. <i>Soft Matter</i> , 2016, 12, 8506-8511.	2.7	17
27	Tube Law of the Pharyngeal Airway in Sleeping Patients with Obstructive Sleep Apnea. <i>Sleep</i> , 2016, 39, 337-343.	1.1	29
28	Cellular Contraction and Polarization Drive Collective Cellular Motion. <i>Biophysical Journal</i> , 2016, 110, 2729-2738.	0.5	135
29	Compressive Stress Causes an Unjamming Transition and an Epithelialâ€Mesenchymal Transition in the Airway Epithelium in Asthma. <i>Annals of the American Thoracic Society</i> , 2016, 13, S102-S102.	3.2	5
30	A Japanese fairy tale, Urasima Taro, and dementia. <i>Psychogeriatrics</i> , 2015, 15, 279-280.	1.2	2
31	An Integrative Model of Physiological Traits Can be Used to Predict Obstructive Sleep Apnea and Response to Non Positive Airway Pressure Therapy. <i>Sleep</i> , 2015, 38, 961-70.	1.1	110
32	High-throughput screening for modulators of cellular contractile force. <i>Integrative Biology (United Kingdom)</i> , 2015, 7, 113-120.	1.3	60
33	Quantifying the ventilatory control contribution to sleep apnoea using polysomnography. <i>European Respiratory Journal</i> , 2015, 45, 408-418.	6.7	195
34	Unjamming and cell shape in the asthmatic airway epithelium. <i>Nature Materials</i> , 2015, 14, 1040-1048.	27.5	484
35	Assessing the impact of engineered nanoparticles on wound healing using a novel in vitro bioassay. <i>Nanomedicine</i> , 2014, 9, 2803-2815.	3.3	38
36	Exogenous Kisspeptin Administration as a Probe of GnRH Neuronal Function in Patients With Idiopathic Hypogonadotropic Hypogonadism. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2014, 99, E2762-E2771.	3.6	28

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37	Enhanced Upper-Airway Muscle Responsiveness Is a Distinct Feature of Overweight/Obese Individuals without Sleep Apnea. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 190, 930-937.	5.6	104
38	Mini-Emotional State Examination for dementia patients. <i>Geriatrics and Gerontology International</i> , 2014, 14, 508-513.	1.5	24
39	Effects of hyperoxia and hypoxia on the physiological traits responsible for obstructive sleep apnoea. <i>Journal of Physiology</i> , 2014, 592, 4523-4535.	2.9	53
40	Test of the Starling resistor model in the human upper airway during sleep. <i>Journal of Applied Physiology</i> , 2014, 117, 1478-1485.	2.5	25
41	Unidirectional pulmonary airflow patterns in the savannah monitor lizard. <i>Nature</i> , 2014, 506, 367-370.	27.8	64
42	Emotional function in dementia patients. <i>Psychogeriatrics</i> , 2014, 14, 202-209.	1.2	23
43	Pendelluft in the bronchial tree. <i>Journal of Applied Physiology</i> , 2014, 117, 979-988.	2.5	35
44	Comment on "Intracellular stresses in patterned cell assemblies" by M. Moussus et al., <i>Soft Matter</i> , 2014, 10, 7681-7682.	2.7	3
45	Influence of pharyngeal muscle activity on inspiratory negative effort dependence in the human upper airway. <i>Respiratory Physiology and Neurobiology</i> , 2014, 201, 55-59.	1.6	19
46	The classical Starling resistor model often does not predict inspiratory airflow patterns in the human upper airway. <i>Journal of Applied Physiology</i> , 2014, 116, 1105-1112.	2.5	28
47	Respiration and heart rate complexity: Effects of age and gender assessed by band-limited transfer entropy. <i>Respiratory Physiology and Neurobiology</i> , 2013, 189, 27-33.	1.6	43
48	Potential hydrodynamic origin of frictional transients in sliding mesothelial tissues. <i>Friction</i> , 2013, 1, 163-177.	6.4	5
49	Efficacy of white noise therapy for dementia patients with schizophrenia. <i>Geriatrics and Gerontology International</i> , 2013, 13, 808-810.	1.5	11
50	CrossTalk opposing view: The human upper airway during sleep does not behave like a Starling resistor. <i>Journal of Physiology</i> , 2013, 591, 2233-2234.	2.9	12
51	Glassy Dynamics, Cell Mechanics, and Endothelial Permeability. <i>Journal of Physical Chemistry B</i> , 2013, 117, 12850-12856.	2.6	23
52	Propulsion and navigation within the advancing monolayer sheet. <i>Nature Materials</i> , 2013, 12, 856-863.	27.5	161
53	"Ventilatory alternans": A left-right alternation of inspiratory airflow in humans. <i>Respiratory Physiology and Neurobiology</i> , 2013, 185, 468-471.	1.6	5
54	Single-breath xenon polarization transfer contrast (SB-XTTC): Implementation and initial results in healthy humans. <i>Journal of Magnetic Resonance Imaging</i> , 2013, 37, 457-470.	3.4	31

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55	Rebuttal from James P. Butler, Robert L. Owens, Atul Malhotra and Andrew Wellman. Journal of Physiology, 2013, 591, 2237-2237.	2.9	0
56	Particle Transport and Deposition: Basic Physics of Particle Kinetics. , 2013, 3, 1437-1471.		192
57	Monolayer Stress Microscopy: Limitations, Artifacts, and Accuracy of Recovered Intercellular Stresses. PLoS ONE, 2013, 8, e55172.	2.5	156
58	Acoustic Pharyngometry Measurement of Minimal Cross-Sectional Airway Area Is a Significant Independent Predictor of Moderate-To-Severe Obstructive Sleep Apnea. Journal of Clinical Sleep Medicine, 2013, 09, 1161-1164.	2.6	23
59	Monolayer Stress Microscopy: limitations, artifacts, and accuracy of recovered intercellular stresses. FASEB Journal, 2013, 27, 1217.5.	0.5	0
60	Navigation within the cellular monolayer. FASEB Journal, 2013, 27, 1217.18.	0.5	0
61	Nanoparticle delivery in infant lungs. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 5092-5097.	7.1	58
62	New Lessons of Nurturing Life for Geriatric Patients. Tohoku Journal of Experimental Medicine, 2012, 227, 203-210.	1.2	18
63	The Pharyngeal Airway. Chest, 2012, 141, 1372-1375.	0.8	6
64	Mechanical Properties of the Upper Airway. , 2012, 2, 1853-1872.		99
65	Acetazolamide improves loop gain but not the other physiological traits causing obstructive sleep apnoea. Journal of Physiology, 2012, 590, 1199-1211.	2.9	226
66	Transfer Entropy Estimation and Directional Coupling Change Detection in Biomedical Time Series. BioMedical Engineering OnLine, 2012, 11, 19.	2.7	86
67	Low intensity ultrasound perturbs cytoskeleton dynamics. Soft Matter, 2012, 8, 2438.	2.7	73
68	Kisspeptin Administration to Women: A Window into Endogenous Kisspeptin Secretion and GnRH Responsiveness across the Menstrual Cycle. Journal of Clinical Endocrinology and Metabolism, 2012, 97, E1458-E1467.	3.6	86
69	Fluidization, resolidification, and reorientation of the endothelial cell in response to slow tidal stretches. American Journal of Physiology - Cell Physiology, 2012, 303, C368-C375.	4.6	54
70	Mechanical waves during tissue expansion. Nature Physics, 2012, 8, 628-634.	16.7	418
71	Upper airway collapsibility and patterns of flow limitation at constant end-expiratory lung volume. Journal of Applied Physiology, 2012, 113, 691-699.	2.5	35
72	3D Traction Forces in Cancer Cell Invasion. PLoS ONE, 2012, 7, e33476.	2.5	277

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73	Cytoskeletal Fluidization and Resolidification are Required for Reorientation of Endothelial Cells. , 2012, , .		0
74	Kisspeptin Resets the Hypothalamic GnRH Clock in Men. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E908-E915.	3.6	94
75	Probing softness of the parietal pleural surface at the micron scale. Journal of Biomechanics, 2011, 44, 2558-2564.	2.1	2
76	Coordinated Movements Prevent Jamming in an Emperor Penguin Huddle. PLoS ONE, 2011, 6, e20260.	2.5	49
77	Transport of Gases between the Environment and Alveoliâ€”Theoretical Foundations. , 2011, 1, 1301-1316.		15
78	Model-based characterization of ventilatory stability using spontaneous breathing. Journal of Applied Physiology, 2011, 111, 55-67.	2.5	38
79	Balanced aging, or successful aging?. Geriatrics and Gerontology International, 2011, 11, 1-2.	1.5	23
80	Collective cell guidance by cooperative intercellular forces. Nature Materials, 2011, 10, 469-475.	27.5	781
81	Influence of the softness of the parietal pleura on respiratory sliding mechanisms. Respiratory Physiology and Neurobiology, 2011, 177, 114-119.	1.6	6
82	Diffusion of hyperpolarized <sup>129</sup> Xe in the lung: a simplified model of <sup>129</sup> Xe septal uptake and experimental results. New Journal of Physics, 2011, 13, 015009.	2.9	78
83	Dynamics of the cytoskeleton: How much does water matter?. Physical Review E, 2011, 83, 061918.	2.1	10
84	Substrate stiffening promotes endothelial monolayer disruption through enhanced physical forces. American Journal of Physiology - Cell Physiology, 2011, 300, C146-C154.	4.6	205
85	Inhalation heterogeneity from subresidual volumes in elite divers. Journal of Applied Physiology, 2010, 109, 1969-1973.	2.5	12
86	Remodeling of Integrated Contractile Tissues and Its Dependence on Strain-Rate Amplitude. Physical Review Letters, 2010, 105, 158102.	7.8	24
87	Mapping the cytoskeletal prestress. American Journal of Physiology - Cell Physiology, 2010, 298, C1245-C1252.	4.6	66
88	Mechanosensing of substrate thickness. Physical Review E, 2010, 82, 041918.	2.1	58
89	Reinforcement versus Fluidization in Cytoskeletal Mechanoresponsiveness. PLoS ONE, 2009, 4, e5486.	2.5	232
90	Thermodynamic origin of cooperativity in actomyosin interactions: The coupling of short-range interactions with actin bending stiffness in an Ising-like model. Physical Review E, 2009, 79, 041906.	2.1	7

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91	Science to Practice: How Do We Interpret the Transfer of Hyperpolarized <sup>129</sup> Xe from Blood into Alveolar Gas?. Radiology, 2009, 252, 319-321.	7.3	2
92	Febrile temperature leads to significant stiffening of Plasmodium falciparum parasitized erythrocytes. American Journal of Physiology - Cell Physiology, 2009, 296, C59-C64.	4.6	33
93	Marked pericardial inhomogeneity of specific ventilation at total lung capacity and beyond. Respiratory Physiology and Neurobiology, 2009, 169, 44-49.	1.6	3
94	Physical forces during collective cell migration. Nature Physics, 2009, 5, 426-430.	16.7	989
95	Determinants of friction in soft elasto-hydrodynamic lubrication. Journal of Biomechanics, 2009, 42, 1069-1074.	2.1	16
96	MRI of Pulmonary Ventilation. Medical Radiology, 2009, , 35-90.	0.1	0
97	Hydrodynamic thickening of lubricating fluid layer beneath sliding mesothelial tissues. Journal of Biomechanics, 2008, 41, 1197-1205.	2.1	6
98	Distribution and Quantity of Contractile Tissue in Postnatal Development of Rat Alveolar Interstitium. Anatomical Record, 2008, 291, 83-93.	1.4	16
99	Gas and aerosol mixing in the acinus. Respiratory Physiology and Neurobiology, 2008, 163, 139-149.	1.6	68
100	Human Pulmonary Imaging and Spectroscopy with Hyperpolarized <sup>129</sup> Xe at 0.2T. Academic Radiology, 2008, 15, 713-727.	2.5	121
101	A Potential Elasto-hydrodynamic Origin of Load-Support and Coulomb-Like Friction in Lung <sup>^</sup> -Chest Wall Lubrication. Journal of Tribology, 2008, 130, 41201.	1.9	5
102	The Cytoskeleton of the Living Cell as an Out-of-Equilibrium System. , 2008, , 111-141.		3
103	Airway Hyperresponsiveness, Remodeling, and Smooth Muscle Mass. American Journal of Respiratory Cell and Molecular Biology, 2007, 37, 264-272.	2.9	122
104	Imaging Stress Propagation in the Cytoplasm of a Living Cell. Methods in Cell Biology, 2007, 83, 179-198.	1.1	10
105	Out-of-equilibrium dynamics in the cytoskeleton of the living cell. Physical Review E, 2007, 76, 041901.	2.1	26
106	Viscoelasticity of the human red blood cell. American Journal of Physiology - Cell Physiology, 2007, 293, C597-C605.	4.6	187
107	Transpulmonary pressures and lung mechanics with glossopharyngeal insufflation and exsufflation beyond normal lung volumes in competitive breath-hold divers. Journal of Applied Physiology, 2007, 102, 841-846.	2.5	62
108	Hyperpolarized <sup>129</sup> Xe MRI: A viable functional lung imaging modality?. European Journal of Radiology, 2007, 64, 335-344.	2.6	130

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109	Cytoskeleton dynamics: Fluctuations within the network. <i>Biochemical and Biophysical Research Communications</i> , 2007, 355, 324-330.	2.1	90
110	Directional memory and caged dynamics in cytoskeletal remodelling. <i>Biochemical and Biophysical Research Communications</i> , 2007, 360, 797-801.	2.1	22
111	Universal physical responses to stretch in the living cell. <i>Nature</i> , 2007, 447, 592-595.	27.8	626
112	Toe clearance rehabilitative slipper for gait disorder in the elderly. <i>Geriatrics and Gerontology International</i> , 2007, 7, 310-311.	1.5	12
113	Finite element simulation of elastohydrodynamic lubrication of soft biological tissues. <i>Computers and Structures</i> , 2007, 85, 1114-1120.	4.4	15
114	Fast and slow dynamics of the cytoskeleton. <i>Nature Materials</i> , 2006, 5, 636-640.	27.5	279
115	Interaction of non-adherent suspended neutrophils to complement opsonized pathogens: a new assay using optical traps. <i>Cell Research</i> , 2006, 16, 887-894.	12.0	11
116	Differential gait kinematics between fallers and non-fallers in community-dwelling elderly people. <i>Geriatrics and Gerontology International</i> , 2005, 5, 127-134.	1.5	60
117	Cytoskeletal remodelling and slow dynamics in the living cell. <i>Nature Materials</i> , 2005, 4, 557-561.	27.5	434
118	Lubrication regimes in mesothelial sliding. <i>Journal of Biomechanics</i> , 2005, 38, 2390-2396.	2.1	37
119	Length adaptation of airway smooth muscle: a stochastic model of cytoskeletal dynamics. <i>Journal of Applied Physiology</i> , 2005, 99, 2087-2098.	2.5	23
120	Rat airway smooth muscle cell during actin modulation: rheology and glassy dynamics. <i>American Journal of Physiology - Cell Physiology</i> , 2005, 289, C1388-C1395.	4.6	69
121	Prestress mediates force propagation into the nucleus. <i>Biochemical and Biophysical Research Communications</i> , 2005, 329, 423-428.	2.1	134
122	Logistic trajectory maps and aerosol mixing due to asynchronous flow at airway bifurcations. <i>Respiratory Physiology and Neurobiology</i> , 2005, 148, 195-206.	1.6	16
123	Comment on "Interplay between Geometry and Flow Distribution in an Airway Tree". <i>Physical Review Letters</i> , 2004, 93, 049801; author reply 049802.	7.8	2
124	Cytoskeletal mechanics in adherent human airway smooth muscle cells: probe specificity and scaling of protein-protein dynamics. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C643-C654.	4.6	85
125	Mechanical anisotropy of adherent cells probed by a three-dimensional magnetic twisting device. <i>American Journal of Physiology - Cell Physiology</i> , 2004, 287, C1184-C1191.	4.6	125
126	Linearity and time-scale invariance of the creep function in living cells. <i>Journal of the Royal Society Interface</i> , 2004, 1, 91-97.	3.4	115



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127	Elastohydrodynamic separation of pleural surfaces during breathing. <i>Respiratory Physiology and Neurobiology</i> , 2003, 137, 97-106.	1.6	23
128	Time scale and other invariants of integrative mechanical behavior in living cells. <i>Physical Review E</i> , 2003, 68, 041914.	2.1	317
129	Stiffness of the pleural surface of the chest wall is similar to that of the lung. <i>Journal of Applied Physiology</i> , 2003, 95, 2345-2349.	2.5	14
130	Intracellular stress tomography reveals stress focusing and structural anisotropy in cytoskeleton of living cells. <i>American Journal of Physiology - Cell Physiology</i> , 2003, 285, C1082-C1090.	4.6	225
131	Chaotic mixing deep in the lung. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2002, 99, 10173-10178.	7.1	112
132	Traction fields, moments, and strain energy that cells exert on their surroundings. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C595-C605.	4.6	886
133	Cell prestress. I. Stiffness and prestress are closely associated in adherent contractile cells. <i>American Journal of Physiology - Cell Physiology</i> , 2002, 282, C606-C616.	4.6	591
134	Effect of surface tension on alveolar surface area. <i>Journal of Applied Physiology</i> , 2002, 93, 1015-1022.	2.5	7
135	Relative motion of lung and chest wall promotes uniform pleural space thickness. <i>Respiratory Physiology and Neurobiology</i> , 2002, 131, 233-243.	1.6	13
136	Increased surface tension decreases pulmonary capillary volume and compliance. <i>Journal of Applied Physiology</i> , 2002, 93, 1023-1029.	2.5	10
137	Scaling the Microrheology of Living Cells. <i>Physical Review Letters</i> , 2001, 87, 148102.	7.8	1,056
138	Selected Contribution: Time course and heterogeneity of contractile responses in cultured human airway smooth muscle cells. <i>Journal of Applied Physiology</i> , 2001, 91, 986-994.	2.5	167
139	Reduced xenon diffusion for quantitative lung study?the role of SF6. <i>NMR in Biomedicine</i> , 2000, 13, 229-233.	2.8	15
140	Mechanical properties of cultured human airway smooth muscle cells from 0.05 to 0.4 Hz. <i>Journal of Applied Physiology</i> , 2000, 89, 1619-1632.	2.5	146
141	Influence of lung volume on pulmonary microvascular pressure-volume characteristics. <i>Journal of Applied Physiology</i> , 2000, 89, 1591-1600.	2.5	4
142	Perturbed Equilibria of Myosin Binding in Airway Smooth Muscle: Bond-Length Distributions, Mechanics, and ATP Metabolism. <i>Biophysical Journal</i> , 2000, 79, 2667-2681.	0.5	123
143	Intracellular elasticity and viscosity in the body, leading, and trailing regions of locomoting neutrophils. <i>American Journal of Physiology - Cell Physiology</i> , 1999, 277, C432-C440.	4.6	36
144	Acinar flow irreversibility caused by perturbations in reversible alveolar wall motion. <i>Journal of Applied Physiology</i> , 1999, 86, 977-984.	2.5	45

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145	Hopping Hoops Don't Hop. American Mathematical Monthly, 1999, 106, 565-568.	0.3	9
146	Implications of heterogeneous bead behavior on cell mechanical properties measured with magnetic twisting cytometry. Journal of Magnetism and Magnetic Materials, 1999, 194, 120-125.	2.3	77
147	Hopping Hoops Don't Hop. American Mathematical Monthly, 1999, 106, 565.	0.3	10
148	Is cytoskeletal tension a major determinant of cell deformability in adherent endothelial cells?. American Journal of Physiology - Cell Physiology, 1998, 274, C1283-C1289.	4.6	195
149	Fractional changes in lung capillary blood volume and oxygen saturation during the cardiac cycle in rabbits. Journal of Applied Physiology, 1997, 82, 1668-1676.	2.5	5
150	Effect of macroscopic deformation on lung microstructure. Journal of Applied Physiology, 1996, 81, 1792-1799.	2.5	4
151	Contour of the GnRH Pulse Independently Modulates Gonadotropin Secretion in the Human Male. Neuroendocrinology, 1996, 64, 247-256.	2.5	9
152	A Microstructural Approach to Cytoskeletal Mechanics based on Tensegrity. Journal of Theoretical Biology, 1996, 181, 125-136.	1.7	212
153	Mechanical Connections Between Elastin and Collagen. Connective Tissue Research, 1994, 30, 295-308.	2.3	44
154	Comparison of four methods for cross-calibrating dual-energy x-ray absorptiometers to eliminate systematic errors when upgrading equipment. Journal of Bone and Mineral Research, 1994, 9, 1945-1952.	2.8	21
155	Pressure profiles show features essential to aerodynamic valving in geese. Respiration Physiology, 1991, 84, 295-309.	2.7	39
156	The Perimeter of a Rose. American Mathematical Monthly, 1991, 98, 139-143.	0.3	0
157	Kinetics of Phagocytosis and Phagosome-Lysosome Fusion in Hamster Lung and Peritoneal Macrophages. Journal of Leukocyte Biology, 1991, 50, 229-239.	3.3	6
158	Viscoelastic and Motile Properties of Hamster Lung and Peritoneal Macrophages. Journal of Leukocyte Biology, 1991, 50, 240-251.	3.3	12
159	Inspiratory valving in avian bronchi: aerodynamic considerations. Respiration Physiology, 1988, 72, 241-255.	2.7	58
160	Bird lung models show that convective inertia effects inspiratory aerodynamic valving. Respiration Physiology, 1988, 73, 111-124.	2.7	53
161	Effects of Increasing the Frequency of Low Doses of Gonadotropin-Releasing Hormone (GnRH) on Gonadotropin Secretion in GnRH-Deficient Men*. Journal of Clinical Endocrinology and Metabolism, 1987, 64, 1179-1186.	3.6	123
162	Inspiratory aerodynamic valving in goose lungs depends on gas density and velocity. Respiration Physiology, 1987, 70, 287-300.	2.7	34

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163	Stereology of Dihedral Angles I: First Two Moments. SIAM Journal on Applied Mathematics, 1987, 47, 670-677.	1.8	5
164	Inspiratory aerodynamic valving in goose lungs depends on gas density and velocity. Respiration Physiology, 1987, 70, 287-300.	2.7	47
165	Stereology of Dihedral Angles II: Distribution Function. SIAM Journal on Applied Mathematics, 1987, 47, 678-687.	1.8	3
166	Poissons' ratio of lung parenchyma and parenchymal interaction with bronchi.. The Japanese Journal of Physiology, 1986, 36, 91-106.	0.9	23
167	Bio- and Immunoactive Luteinizing Hormone Responses to Low Doses of Gonadotropin-Releasing Hormone (GnRH): Dose-Response Curves in GnRH-Deficient Men*. Journal of Clinical Endocrinology and Metabolism, 1986, 63, 143-150.	3.6	42
168	Pituitary Luteinizing Hormone Responses to Intravenous and Subcutaneous Administration of Gonadotropin-Releasing Hormone in Men*. Journal of Clinical Endocrinology and Metabolism, 1985, 61, 890-895.	3.6	36
169	The Green's function for the convection-diffusion equation in an analytic lung model. The Bulletin of Mathematical Biophysics, 1977, 39, 543-563.	0.5	5