

Shigeo Wada

List of Publications by Year in descending order

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148
papers

1,027
citations

471371

17
h-index

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28
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150
all docs

150
docs citations

150
times ranked

1227
citing authors

#	ARTICLE	IF	CITATIONS
1	A Computational Framework for Personalized Blood Flow Analysis in the Human Left Atrium. <i>Annals of Biomedical Engineering</i> , 2016, 44, 3284-3294.	1.3	92
2	Simulation Study on Effects of Hematocrit on Blood Flow Properties Using Particle Method. <i>Journal of Biomechanical Science and Engineering</i> , 2006, 1, 159-170.	0.1	76
3	Effects of Stretching Speed on Mechanical Rupture of Phospholipid/Cholesterol Bilayers: Molecular Dynamics Simulation. <i>Scientific Reports</i> , 2015, 5, 15369.	1.6	49
4	A three-dimensional particle simulation of the formation and collapse of a primary thrombus. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2010, 26, 488-500.	1.0	46
5	Proposed Spring Network Cell Model Based on a Minimum Energy Concept. <i>Annals of Biomedical Engineering</i> , 2010, 38, 1530-1538.	1.3	41
6	Elasticity and viscoelasticity of embolization microspheres. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2011, 4, 2161-2167.	1.5	41
7	Computational fluid dynamics of blood flow in coil-embolized aneurysms: effect of packing density on flow stagnation in an idealized geometry. <i>Medical and Biological Engineering and Computing</i> , 2013, 51, 901-910.	1.6	39
8	Numerical Simulation of Various Shape Changes of a Swollen Red Blood Cell by Decrease of Its Volume.. <i>Nihon Kikai Gakkai Ronbunshu, A Hen/Transactions of the Japan Society of Mechanical Engineers, Part A</i> , 2003, 69, 14-21.	0.2	37
9	One (sub-)acinus for all: Fate of inhaled aerosols in heterogeneous pulmonary acinar structures. <i>European Journal of Pharmaceutical Sciences</i> , 2018, 113, 53-63.	1.9	36
10	Elastic behavior of a red blood cell with the membrane's nonuniform natural state: equilibrium shape, motion transition under shear flow, and elongation during tank-treading motion. <i>Biomechanics and Modeling in Mechanobiology</i> , 2014, 13, 735-746.	1.4	33
11	Molecular dynamics simulations of pore formation in stretched phospholipid/cholesterol bilayers. <i>Chemistry and Physics of Lipids</i> , 2014, 183, 43-49.	1.5	31
12	Mathematical model of a heterogeneous pulmonary acinus structure. <i>Computers in Biology and Medicine</i> , 2015, 62, 25-32.	3.9	26
13	Collapse of a lipid-coated nanobubble and subsequent liposome formation. <i>Scientific Reports</i> , 2016, 6, 28164.	1.6	26
14	Haemorheology in dilute, semi-dilute and dense suspensions of red blood cells. <i>Journal of Fluid Mechanics</i> , 2019, 872, 818-848.	1.4	25
15	Elastic characteristics of microspherical embolic agents used for vascular interventional radiology. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2010, 3, 497-503.	1.5	23
16	Multiscale modeling of human cerebrovasculature: A hybrid approach using image-based geometry and a mathematical algorithm. <i>PLoS Computational Biology</i> , 2020, 16, e1007943.	1.5	22
17	Minimizing the blood velocity differences between phase-contrast magnetic resonance imaging and computational fluid dynamics simulation in cerebral arteries and aneurysms. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 1605-1619.	1.6	19
18	Experimental and numerical investigation of the sound generation mechanisms of sibilant fricatives using a simplified vocal tract model. <i>Physics of Fluids</i> , 2018, 30, 035104.	1.6	19

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19	Deformation of a Red Blood Cell in a Narrow Rectangular Microchannel. <i>Micromachines</i> , 2019, 10, 199.	1.4	19
20	Computational study for the effects of coil configuration on blood flow characteristics in coil-embolized cerebral aneurysm. <i>Medical and Biological Engineering and Computing</i> , 2017, 55, 697-710.	1.6	17
21	Targeting inhaled fibers to the pulmonary acinus: Opportunities for augmented delivery from in silico simulations. <i>European Journal of Pharmaceutical Sciences</i> , 2019, 137, 105003.	1.9	17
22	Contribution of actin filaments to the global compressive properties of fibroblasts. <i>Journal of the Mechanical Behavior of Biomedical Materials</i> , 2012, 14, 192-198.	1.5	15
23	Aeroacoustic analysis on individual characteristics in sibilant fricative production. <i>Journal of the Acoustical Society of America</i> , 2019, 146, 1239-1251.	0.5	15
24	A Rule-Based Computational Study on the Early Progression of Intracranial Aneurysms Using Fluid-Structure Interaction: Comparison between Straight Model and Curved Model. <i>Journal of Biomechanical Science and Engineering</i> , 2008, 3, 124-137.	0.1	14
25	Bicelle-to-Vesicle Transition of a Binary Phospholipid Mixture Guided by Controlled Local Lipid Compositions: A Molecular Dynamics Simulation Study. <i>Journal of Physical Chemistry B</i> , 2019, 123, 3118-3123.	1.2	14
26	Effects of tongue position in the simplified vocal tract model of Japanese sibilant fricatives /s/ and /Êf/. <i>Journal of the Acoustical Society of America</i> , 2017, 141, EL314-EL318.	0.5	13
27	Computational model of coil placement in cerebral aneurysm with using realistic coil properties. <i>Journal of Biomechanical Science and Engineering</i> , 2015, 10, 15-00555-15-00555.	0.1	12
28	Heterogeneous structure and surface tension effects on mechanical response in pulmonary acinus: A finite element analysis. <i>Clinical Biomechanics</i> , 2019, 66, 32-39.	0.5	12
29	Measurement of Blood Flow in the Left Ventricle and Aorta Using Clinical 2D Cine Phase-Contrast Magnetic Resonance Imaging. <i>Journal of Biomechanical Science and Engineering</i> , 2007, 2, 46-57.	0.1	10
30	Mesoscopic Blood Flow Simulation Considering Hematocrit-Dependent Viscosity. <i>Journal of Biomechanical Science and Engineering</i> , 2010, 5, 578-590.	0.1	10
31	Morphological Characterization of Acinar Cluster in Mouse Lung Using a Multiscale-based Segmentation Algorithm on Synchrotron Micro-CT Images. <i>Anatomical Record</i> , 2016, 299, 1424-1434.	0.8	10
32	Performance assessment of displacement-field estimation of the human left atrium from 4D-CT images using the coherent point drift algorithm. <i>Computers in Biology and Medicine</i> , 2019, 114, 103454.	3.9	10
33	Effects of Left Ventricular Hypertrophy and Myocardial Stiffness on Myocardial Strain Under Preserved Ejection Fraction. <i>Annals of Biomedical Engineering</i> , 2021, 49, 1670-1687.	1.3	9
34	A subject-specific assessment of measurement errors and their correction in cerebrospinal fluid velocity maps using 4D flow MRI. <i>Magnetic Resonance in Medicine</i> , 2022, 87, 2412-2423.	1.9	9
35	Effect of Wall Motion on Arterial Wall Shear Stress. <i>Journal of Biomechanical Science and Engineering</i> , 2007, 2, 58-68.	0.1	8
36	A Semiautomatic Segmentation Algorithm for Extracting the Complete Structure of Acini from Synchrotron Micro-CT Images. <i>Computational and Mathematical Methods in Medicine</i> , 2013, 2013, 1-10.	0.7	8

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37	Effects of the Initial Orientation of Actin Fibers on Global Tensile Properties of Cells. <i>Journal of Biomechanical Science and Engineering</i> , 2010, 5, 515-525.	0.1	7
38	Model-based inverse estimation for active contraction stresses of tongue muscles using 3D surface shape in speech production. <i>Journal of Biomechanics</i> , 2017, 64, 69-76.	0.9	7
39	Computational Study of the Non-Newtonian Effect of Blood on Flow Stagnation in a Coiled Cerebral Aneurysm. <i>Nihon Reorji Gakkaishi</i> , 2017, 45, 243-249.	0.2	7
40	Stretch-Induced Interdigitation of a Phospholipid/Cholesterol Bilayer. <i>Journal of Physical Chemistry B</i> , 2018, 122, 2556-2563.	1.2	7
41	Analysis of Destruction Process of the Primary Thrombus Under the Influence of the Blood Flow. <i>Journal of Biomechanical Science and Engineering</i> , 2007, 2, 34-44.	0.1	6
42	Computational studies on strain transmission from a collagen gel construct to a cell and its internal cytoskeletal filaments. <i>Computers in Biology and Medicine</i> , 2015, 56, 20-29.	3.9	6
43	Physically consistent data assimilation method based on feedback control for patient-specific blood flow analysis. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2018, 34, e2910.	1.0	6
44	Cerebrospinal fluid flow driven by arterial pulsations in axisymmetric perivascular spaces: Analogy with Taylor's swimming sheet. <i>Journal of Theoretical Biology</i> , 2021, 523, 110709.	0.8	6
45	Effects of Cytoskeletal Orientations on Deformation of a Cell Residing in a Collagen Gel Construct. <i>Journal of Biomechanical Science and Engineering</i> , 2012, 7, 2-14.	0.1	5
46	Effect of expiratory flow rate on the acoustic characteristics of sibilant /s/. <i>Journal of Computational Science</i> , 2012, 3, 298-305.	1.5	5
47	Line tension of the pore edge in phospholipid/cholesterol bilayer from stretch molecular dynamics simulation. <i>Journal of Biomechanical Science and Engineering</i> , 2015, 11, 15-00422-15-00422.	0.1	5
48	Effect of Local Coil Density on Blood Flow Stagnation in Densely Coiled Cerebral Aneurysms: A Computational Study Using a Cartesian Grid Method. <i>Journal of Biomechanical Engineering</i> , 2018, 140, .	0.6	5
49	A simplified vocal tract model for articulation of [s]: The effect of tongue tip elevation on [s]. <i>PLoS ONE</i> , 2019, 14, e0223382.	1.1	5
50	On the Impact of Left Upper Lobectomy on the Left Atrial Hemodynamics. <i>Frontiers in Physiology</i> , 2022, 13, 830436.	1.3	5
51	Changes in lung sounds during asthma progression in a guinea pig model. <i>Allergology International</i> , 2016, 65, 425-431.	1.4	4
52	Capture event of platelets by bolus flow of red blood cells in capillaries. <i>Journal of Biomechanical Science and Engineering</i> , 2019, 14, 18-00535-18-00535.	0.1	4
53	Fluid dynamic assessment of tracheal flow in infants with congenital tracheal stenosis before and after surgery. <i>Medical and Biological Engineering and Computing</i> , 2019, 57, 837-847.	1.6	4
54	Kelvin-Helmholtz-like instability of phospholipid bilayers under shear flow: System-size dependence. <i>Physical Review E</i> , 2020, 102, 022408.	0.8	4

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55	Direct numerical simulation of expiratory crackles: Relationship between airway closure dynamics and acoustic fluctuations. <i>Journal of Biomechanics</i> , 2017, 50, 234-239.	0.9	3
56	Development of a mesoscopic framework spanning nanoscale protofibril dynamics to macro-scale fibrin clot formation. <i>Journal of the Royal Society Interface</i> , 2021, 18, 20210554.	1.5	3
57	HOME-HEALTH CARE SUPPORT SYSTEM FOR CAREGIVERS USING WEARABLE SYSTEM. , 2006, , .		2
58	A FLUID-SOLID INTERACTION STUDY OF THE PULSE WAVE VELOCITY IN UNIFORM ARTERIES. , 2006, , .		2
59	A fourth-order Cartesian local mesh refinement method for the computational fluid dynamics of physiological flow in multi-generation branched vessels. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2011, 27, 424-435.	1.0	2
60	How to Measure Cellular Shear Modulus Inside a Chip: Detailed Correspondence to the Fluid-Structure Coupling Analysis. , 2019, , .		2
61	Computational modeling of braided-stent deployment for interpreting the mechanism of stent flattening. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, , .	1.0	2
62	Airway performance in infants with congenital tracheal stenosis associated with unilateral pulmonary agenesis: effect of tracheal shape on energy flux. <i>Medical and Biological Engineering and Computing</i> , 2022, 60, 2335-2348.	1.6	2
63	COMPUTATIONAL APPROACH TO LEFT VENTRICULAR FLOW FOR DEVELOPING CLINICAL APPLICATIONS. , 2007, , 167-191.		1
64	Development of a Virtual Coil Model for Blood Flow Simulation in Coil-Embolized Aneurysms. , 2013, , .		1
65	Aeroacoustic sound alteration in airway bronchoconstriction, represented by a constricted T-branch model. <i>Journal of Biomechanical Science and Engineering</i> , 2015, 10, 14-00246-14-00246.	0.1	1
66	A Computational Approach for Blood Flow Analysis in the Densely Coiled Cerebral Aneurysm. , 2016, , .		1
67	Modeling of endovascular coiling for cerebral aneurysms: Effects of friction on coil mechanical behaviors. <i>International Journal of Mechanical Sciences</i> , 2020, 166, 105206.	3.6	1
68	A concept on velocity estimation from magnetic resonance velocity images based on variational optimal boundary control. <i>Journal of Biomechanical Science and Engineering</i> , 2022, , .	0.1	1
69	NUMERICAL SIMULATION OF THE ARTERIAL WALL GROWTH INDUCED BY WALL SHEAR STRESS. , 2006, , .		0
70	Towards Sibilant [s] Physical Modeling: Numerical Study of the Influence of the Aperture of a Tooth-Shaped Constriction on the Flow-Induced Noise. , 2010, , .		0
71	Computational Fluid Dynamics of Blood Flow in an Extracorporeal Blood Circuit for the Analysis of Thrombogenic Hemodynamic Factors. <i>Journal of Biomechanical Science and Engineering</i> , 2011, 6, 89-100.	0.1	0
72	Spring Network Modeling Based on the Minimum Energy Concept. , 2012, , 141-179.		0

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73	Patient-Specific Blood Flows Simulation on Cerebral Aneurysm Based on Physically Consistency Feedback Control. , 2016, , .		0
74	A braided stent becomes flattened inside a curved catheter tube: A micro-CT imaging study. Bio-Medical Materials and Engineering, 2020, 31, 373-380.	0.4	0
75	530 Rule-Based Simulation for Prediction of the Development of Aneurysm. The Proceedings of the Computational Mechanics Conference, 2006, 2006.19, 505-506.	0.0	0
76	757 Computational Analysis of Wall Thickness at a Three-dimensional Bifurcation Based on the Uniform Strain Hypothesis. The Proceedings of the JSME Annual Meeting, 2006, 2006.6, 55-56.	0.0	0
77	THE EFFECT OF THE INTERNAL CAROTID ARTERY FLOW ON THE HEMODYNAMICS IN THE DISTAL CEREBRAL ANEURYSM: A PATIENT-SPECIFIC CFD STUDY. , 2006, , .		0
78	A COMPUTER SIMULATION STUDY ON THE EARLY PROGRESSION OF INTRACRANIAL ANEURYSMS: A COMPARISON BETWEEN STRAIGHT MODEL AND CURVED MODEL. , 2006, , .		0
79	2206 Deformation Analysis of a Red Blood Cell Flowing in a Disturbed Flow. The Proceedings of the Computational Mechanics Conference, 2007, 2007.20, 331-332.	0.0	0
80	2205 Proposal of a Membrane/Cytoskeleton Included Cell Model for the Simulation of Tensile and Compressive Tests. The Proceedings of the Computational Mechanics Conference, 2007, 2007.20, 329-330.	0.0	0
81	1101 Relationship between an abnormal respiratory sound and an airflow rate in childhood asthma. The Proceedings of the JSME Annual Meeting, 2007, 2007.5, 269-270.	0.0	0
82	Relationship between an abnormal respiratory sound and an airflow rate in childhood asthma(3C1) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Biomechanics Emerging Science and Technology in Biomechanics, 2007, 2007.3, S201.	0.0	0
83	EFFECTS OF THE DISRUPTION OF ACTIN FILAMENTS AND MICROTUBULES ON THE MORPHOLOGY AND TENSILE PROPERTIES OF FIBROBLASTS(1A2 Micro & Nano Biomechanics II). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2007, 2007.3, S11.	0.0	0
84	1001 Effects of Disruption of Actin Filaments and Microtubules on the Compressive Properties of Fibroblasts. The Proceedings of the JSME Annual Meeting, 2007, 2007.5, 203-204.	0.0	0
85	EFFECTS OF GAMMA-RAY IRRADIATION ON THE MECHANICAL PROPERTIES AND DEGRADATION RATE OF POLY-L-LACTIC ACID MESH(3A2 Cellular & Tissue Engineering & Biomaterials II). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2007, 2007.3, S176.	0.0	0
86	PROPOSAL OF MESOSCOPIC ANALYSIS METHOD OF BLOOD RHEOLOGY(3D2 Biorheology &) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Science and Technology in Biomechanics, 2007, 2007.3, S228.	0.0	0
87	COMPUTATIONAL STUDY OF PLATELET THROMBUS FORMATION IN A BLOOD FLOW(3D2 Biorheology &) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 Science and Technology in Biomechanics, 2007, 2007.3, S225.	0.0	0
88	EFFECT OF PASSAGE ON THE COMPRESSIVE PROPERTIES OF CULTURED CHONDROCYTES(1A1 Micro &) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Science and Technology in Biomechanics, 2007, 2007.3, S5.	0.0	0
89	1123 Mesoscopic Analysis of Red Blood Cells Flowing through a Micro Blood Vessel. The Proceedings of the JSME Annual Meeting, 2007, 2007.6, 85-86.	0.0	0
90	332 Proposal of the Mechanical Model of a Cell Considering Membrane, Cytoskeleton and Nucleus. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2008, 2007.20, 327-328.	0.0	0

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91	752 Analysis of Dynamic Deformation of a Flowing Red Blood Cell : Comparison with Conventional Hemolysis Indices. The Proceedings of the Computational Mechanics Conference, 2008, 2008.21, 867-868.	0.0	0
92	750 Effects of initial tension in actin filaments on the single cell tensile properties. The Proceedings of the Computational Mechanics Conference, 2008, 2008.21, 864-865.	0.0	0
93	113 Dynamic deformation analysis of a red blood cell in steady and unsteady shear flow. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2008, 2007.20, 25-26.	0.0	0
94	B423 Effects of the disruption of cytoskeleton on the three-dimensional morphology of fibroblasts. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2008, 2008.19, 175-176.	0.0	0
95	S0201-2-6 Effect of disruption of central stress fibers on the tensile properties of fibroblasts. The Proceedings of the JSME Annual Meeting, 2009, 2009.5, 23-24.	0.0	0
96	333 Proposal of hemolysis indices based on the deformation analysis of a flowing RBC. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2009, 2008.21, 367-368.	0.0	0
97	B208 Effects of stress fibers on the tensile properties of fibroblasts. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2009, 2009.20, 107-108.	0.0	0
98	2015 Compressive test of a cell based on energy minimum principle. The Proceedings of the Computational Mechanics Conference, 2009, 2009.22, 771-772.	0.0	0
99	B211 Deformation of a fast-flowing red blood cell toward a wall. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2009, 2009.20, 113-114.	0.0	0
100	J0504-5-3 Study on the Production of Sibilant/s/by simultaneous Measurements of Aeroacoustic Sound and Vibration of an Obstacle Wall. The Proceedings of the JSME Annual Meeting, 2010, 2010.7, 111-112.	0.0	0
101	T0201-1-5 Changes in surface area and volume of fibroblasts during cell spreading on the substrate. The Proceedings of the JSME Annual Meeting, 2010, 2010.8, 137-138.	0.0	0
102	A109 Simultaneous measurement of aero acoustic sound and vibration radiated from a intra-oral cavity model with a lower tooth : Effects of a velocity at the sibilant groove. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2010, 2010.21, 17-18.	0.0	0
103	A211 Effect of actin filaments on the global compressive properties of single fibroblasts. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2010, 2010.21, 59-60.	0.0	0
104	2009 Computer simulation of the deformation of an adherent cell under substrate stretching. The Proceedings of the Computational Mechanics Conference, 2010, 2010.23, 18-19.	0.0	0
105	A223 Simulation of cell adhesion and spreading using mechano-cell model. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2011, 2011.22, 123-124.	0.0	0
106	8H-16 Computational studies on the strain transmission from a biological tissue to a cell and cytoskeletons. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2011, 2010.23, 279-280.	0.0	0
107	9D-18 Effects of the Expiratory Flow Rate on the Acoustic Nature of Sibilant /s/. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2011, 2010.23, 523-524.	0.0	0
108	Mechanics of Biofluids and Computational Analysis. , 2012, , 87-140.		0

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109	A108 Computational analysis of oxygen diffusion in the pulmonary acinus using the heterogeneous structure model. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2012, 2012.23, 15-16.	0.0	0
110	J026016 Molecular dynamics simulations of ionic transport across a lipid bilayer under ultrasound exposure. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J026016-1-_J026016-2.	0.0	0
111	J025011 Computational study of dynamic motion of hyperelastic membrane imposing surface incompressibility. The Proceedings of Mechanical Engineering Congress Japan, 2012, 2012, _J025011-1-_J025011-5.	0.0	0
112	802 Numerical simulation for dynamic motion of red blood cells with membrane viscoelasticity. The Proceedings of the Computational Mechanics Conference, 2012, 2012.25, 1-2.	0.0	0
113	7E32 Structural changes of a lipid bilayer in the molecular level under ultrasound exposure. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2012, 2012.24, 7E32.	0.0	0
114	2503 A measurement-integrated simulation of blood flow based on optimization method. The Proceedings of the Computational Mechanics Conference, 2013, 2013.26, _2503-1_-_2503-2_.	0.0	0
115	WS23 The role of biomechanical simulation in predictive medicine. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2013, 2013.25, 56.	0.0	0
116	2502 Numerical Simulation for Dynamic Motion of Red Blood Cell based on Membrane Viscoelasticity Model. The Proceedings of the Computational Mechanics Conference, 2013, 2013.26, _2502-1_-_2502-2_.	0.0	0
117	J021025 Numerical study of hemodynamic effects on coil embolization in patient-specific models of cerebral aneurysm. The Proceedings of Mechanical Engineering Congress Japan, 2013, 2013, _J021025-1-_J021025-5.	0.0	0
118	A feedback-type data-assimilation method for blood flow analysis incorporating the physical consistency. The Proceedings of the Computational Mechanics Conference, 2014, 2014.27, 432-433.	0.0	0
119	2A16 Estimation of Critical Radius of Reversible Pore in Cell Membranes Using Molecular Dynamics Simulation. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 261-262.	0.0	0
120	J0910105 Effects of cross-sectional shape in coronal plane on the sound generation of sibilant /s/. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _J0910105--_J0910105-.	0.0	0
121	J0240103 Molecular Dynamics Simulation of L _β Phase Formation in Stretched Phospholipid/Cholesterol Bilayer : Toward Understanding Mechanical Hemolysis. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _J0240103--_J0240103-.	0.0	0
122	1A42 Structural changes of cell membranes induced by shock waves : Molecular dynamics simulations. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 39.	0.0	0
123	2B13 The effect of heterogeneous micro structure of pulmonary acinus on the oxygen uptake at alveoli. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 297-298.	0.0	0
124	S0220203 Computational analysis of coil distribution in the cerebral aneurysm. The Proceedings of Mechanical Engineering Congress Japan, 2014, 2014, _S0220203--_S0220203-.	0.0	0
125	1B16 Pulmonary acinar morphological measurement and analysis using 3D micro-CT based models extracted by multiscale-based segmentation algorithm. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 53-54.	0.0	0
126	1A25 Study of respiratory sound using the aeroacoustic analysis with the low-Mach number approximation. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 23.	0.0	0

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127	Lung sound generation and propagation in the airway: Understanding from the aeroacoustics. Nihon Shoni Arerugi Gakkaishi the Japanese Journal of Pediatric Allergy and Clinical Immunology, 2015, 29, 58-64.	0.0	0
128	J1050105 Aeroacoustic analysis of sibilant /s/ simplified vocal tract model. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, J1050105-J1050105-.	0.0	0
129	1C42 Molecular dynamics simulation of water permeability through stretched phospholipid/cholesterol bilayer. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 127-128.	0.0	0
130	PS3-5 MOLECULAR PERSPECTIVE OF WATER PERMEABILITY CHANGES IN PHOSPHOLIPID/CHOLESTEROL BILAYER UNDER MECHANICAL STRESSES(PS3: Poster Short Presentation III,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 266.	0.0	0
131	1B16 Effect of extracted geometries with different threshold image intensities on the patient-specific blood flow analysis with the PC-MRI based data assimilation technique. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 59-60.	0.0	0
132	PS1-12 ACOUSTIC SOURCE DETECTION OF REALISTIC AIRWAY MODEL USING MICROPHONE ARRAY SYSTEM AND AEROACOUSTIC ANALYSIS(PS1: Poster Short Presentation I,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 233.	0.0	0
133	PS1-15 MICRO-CT-BASED MORPHOLOGICAL MEASUREMENT OF MOUSE ACINAR CLUSTER AND THE OXYGEN DIFFUSION ANALYSIS(PS1: Poster Short Presentation I,Poster Session). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 236.	0.0	0
134	2F33 Modeling of heterogeneous micro vasculature network at the pulmonary acinus level. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2015, 2015.27, 535-536.	0.0	0
135	1E21 Inverse analysis of cell traction force using depth expansion model. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2016, 2016.28, 1E21-1- 1E21-4-.	0.0	0
136	A blood flow analysis method based on variational data assimilation for patient-specific medical support. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2016, 2016.27, B207.	0.0	0
137	Aeroacoustic analysis of fricatives /s/ and /sh/ using simplified vocal tract model. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2017, 2017.29, 1C41.	0.0	0
138	Computational study of patient-specific blood flow simulation on cerebral aneurysm with PC-MRI measurement using feedback control based data assimilation method. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2017, 2017.29, 2C41.	0.0	0
139	A study on differences of production mechanisms between sibilant fricatives /s/ and /sh/. The Proceedings of Mechanical Engineering Congress Japan, 2018, 2018, J1020102.	0.0	0
140	10.1063/1.5013632.1. , 2018, , .		0
141	Molecular Dynamics Simulation of Peptide-embedded Liposome Formation. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2019, 2019.30, 1A33.	0.0	0
142	Assessment of cardiac function using the modified ejection fraction as an indicator of myocardial circumferential strain. Journal of Biomechanical Science and Engineering, 2022, 17, .	0.1	0
143	Title is missing!. , 2020, 16, e1007943.		0
144	Title is missing!. , 2020, 16, e1007943.		0

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145	Title is missing!. , 2020, 16, e1007943.		0
146	Title is missing!. , 2020, 16, e1007943.		0
147	Title is missing!. , 2020, 16, e1007943.		0
148	Title is missing!. , 2020, 16, e1007943.		0