

Hao Liu

List of Publications by Year in descending order

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249
papers

4,629
citations

172457

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155660

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g-index

264
all docs

264
docs citations

264
times ranked

2791
citing authors

#	ARTICLE	IF	CITATIONS
1	Machine learning predicts blood lactate levels in children after cardiac surgery in paediatric ICU. <i>Cardiology in the Young</i> , 2023, 33, 388-395.	0.8	4
2	Impact of Atrial Fibrillation on Fontan Circulation: Fontan Computational Model. <i>Annals of Thoracic Surgery</i> , 2022, 114, 1460-1467.	1.3	3
3	Compact Sphere-Shaped Airflow Vector Sensor Based on MEMS Differential Pressure Sensors. <i>Sensors</i> , 2022, 22, 1087.	3.8	6
4	Impact of Respiratory Fluctuation on Hemodynamics in Human Cardiovascular System: A 0-1D Multiscale Model. <i>Fluids</i> , 2022, 7, 28.	1.7	1
5	Bristled-wing design of materials, microstructures, and aerodynamics enables flapping flight in tiny wasps. <i>IScience</i> , 2022, 25, 103692.	4.1	15
6	Aeroacoustic interaction between owl-inspired trailing-edge fringes and leading-edge serrations. <i>Physics of Fluids</i> , 2022, 34, .	4.0	11
7	Novel flight style and light wings boost flight performance of tiny beetles. <i>Nature</i> , 2022, 602, 96-100.	27.8	39
8	A machine learning strategy for fast prediction of cardiac function based on peripheral pulse wave. <i>Computer Methods and Programs in Biomedicine</i> , 2022, 216, 106664.	4.7	9
9	Hydrodynamical Fingerprint of a Neighbour in a Fish Lateral Line. <i>Frontiers in Robotics and AI</i> , 2022, 9, 825889.	3.2	7
10	Numerical study of three-dimensional flapping wings hovering in ultra-low-density atmosphere. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
11	10.1063/5.0088851.1. , 2022, , .		0
12	10.1063/5.0088851.2. , 2022, , .		0
13	Blood Flow Simulation to Determine the Risk of Thrombosis in the Fontan Circulation: Comparison between Atriopulmonary and Total Cavopulmonary Connections. <i>Fluids</i> , 2022, 7, 138.	1.7	0
14	Morphological effects of leading-edge serrations on the acoustic signatures of mixed flow fan. <i>Physics of Fluids</i> , 2022, 34, .	4.0	9
15	10.1063/5.0088851.4. , 2022, , .		0
16	10.1063/5.0088851.6. , 2022, , .		0
17	10.1063/5.0088851.3. , 2022, , .		0
18	10.1063/5.0088851.5. , 2022, , .		0

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19	Elastic storage enables robustness of flapping wing dynamics. <i>Bioinspiration and Biomimetics</i> , 2022, 17, 045003.	2.9	5
20	Effects of wing-body interaction on hawk moth aerodynamics and energetics at various flight velocities. <i>Physics of Fluids</i> , 2022, 34, .	4.0	5
21	10.1063/5.0087161.1. , 2022, , .		0
22	Frequency-Based Wind Gust Estimation for Quadrotors Using a Nonlinear Disturbance Observer. <i>IEEE Robotics and Automation Letters</i> , 2022, 7, 9224-9231.	5.1	6
23	Development of Microstructured Low Noise Propeller for Aerial Acoustic Surveillance. , 2021, , .		3
24	A six-degree-of-freedom proportional-derivative control strategy for bumblebee flight stabilization. <i>Journal of Biomechanical Science and Engineering</i> , 2021, 16, .	0.3	1
25	Effects of wing-to-body mass ratio on insect flapping flights. <i>Physics of Fluids</i> , 2021, 33, .	4.0	19
26	A CFD data-driven aerodynamic model for fast and precise prediction of flapping aerodynamics in various flight velocities. <i>Journal of Fluid Mechanics</i> , 2021, 915, .	3.4	19
27	Flexibility Effects of a Flapping Mechanism Inspired by Insect Musculoskeletal System on Flight Performance. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 612183.	4.1	7
28	A slower rate of sulcal widening in the brains of the nondemented oldest old. <i>NeuroImage</i> , 2021, 229, 117740.	4.2	7
29	Liftoff of a New Hovering Oscillating-wing Micro Aerial Vehicle. <i>Journal of Bionic Engineering</i> , 2021, 18, 649-661.	5.0	2
30	Flexible Flaps Inspired by Avian Feathers Can Enhance Aerodynamic Robustness in low Reynolds Number Airfoils. <i>Frontiers in Bioengineering and Biotechnology</i> , 2021, 9, 612182.	4.1	10
31	A Biomimetic Rotor-configuration Design for Optimal Aerodynamic Performance in Quadrotor Drone. <i>Journal of Bionic Engineering</i> , 2021, 18, 824-839.	5.0	8
32	Personalized CFD multiscale hemodynamic modeling and wave dynamics analysis of cerebral circulation for an elderly patient with dementia. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021, 37, e3510.	2.1	3
33	Aeroacoustic characteristics of owl-inspired blade designs in a mixed flow fan: effects of leading- and trailing-edge serrations. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 066003.	2.9	6
34	Effect of Ducted Multi-Propeller Configuration on Aerodynamic Performance in Quadrotor Drone. <i>Drones</i> , 2021, 5, 101.	4.9	15
35	Intermittent control strategy can enhance stabilization robustness in bumblebee hovering. <i>Bioinspiration and Biomimetics</i> , 2021, 16, 016013.	2.9	3
36	Fishes regulate tail-beat kinematics to minimize speed-specific cost of transport. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20211601.	2.6	15

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37	Modulation of Flight Muscle Recruitment and Wing Rotation Enables Hummingbirds to Mitigate Aerial Roll Perturbations. <i>Current Biology</i> , 2020, 30, 187-195.e4.	3.9	11
38	Low Reynolds number aerodynamics of leading-edge and trailing-edge hinged control surfaces: Part I statics. <i>Aerospace Science and Technology</i> , 2020, 99, 105563.	4.8	8
39	Simulation-based insect-inspired flight systems. <i>Current Opinion in Insect Science</i> , 2020, 42, 105-109.	4.4	9
40	Aerodynamic performance of a bristled wing of a very small insect. <i>Experiments in Fluids</i> , 2020, 61, 1.	2.4	31
41	Effects of Reynolds Number and Distribution on Passive Flow Control in Owl-Inspired Leading-Edge Serrations. <i>Integrative and Comparative Biology</i> , 2020, 60, 1135-1146.	2.0	14
42	Personalized Hemodynamic Modeling of the Human Cardiovascular System: A Reduced-Order Computing Model. <i>IEEE Transactions on Biomedical Engineering</i> , 2020, 67, 2754-2764.	4.2	19
43	Computational fluid dynamic study of multiple sequential coronary artery bypass anastomoses in a native coronary stenosis model. <i>Coronary Artery Disease</i> , 2020, 31, 458-463.	0.7	1
44	Exploring a bumblebee-inspired power-optimal flapping-wing design for hovering on Mars based on a surrogate model. <i>Journal of Biomechanical Science and Engineering</i> , 2020, 15, 20-00001-20-00001.	0.3	5
45	Computational investigation on a self-propelled pufferfish driven by multiple fins. <i>Ocean Engineering</i> , 2020, 197, 106908.	4.3	12
46	Quantification of the influence of drugs on zebrafish larvae swimming kinematics and energetics. <i>PeerJ</i> , 2020, 8, e8374.	2.0	6
47	Aerodynamics of the Wells turbine with a Hawkmoth-inspired blade design. <i>Bioinspiration and Biomimetics</i> , 2020, 15, 066001.	2.9	5
48	Wing Morphology and Inertial Properties of Bumblebees. <i>Journal of Aero Aqua Bio-mechanisms</i> , 2019, 8, 41-47.	1.0	4
49	Impact of ductus arteriosus constriction and restrictive foramen ovale on global hemodynamics for term fetuses with dâ€™TGA. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 37, e3231.	2.1	4
50	Development of Mixed Flow Fans with Bio-Inspired Grooves. <i>Biomimetics</i> , 2019, 4, 72.	3.3	9
51	On the energetics and stability of a minimal fish school. <i>PLoS ONE</i> , 2019, 14, e0215265.	2.5	37
52	Recent R&D Technologies and Future Prospective of Flying Robot in Tough Robotics Challenge. <i>Springer Tracts in Advanced Robotics</i> , 2019, , 77-142.	0.4	14
53	On the interference of vorticity and pressure fields of a minimal fish school. <i>Journal of Aero Aqua Bio-mechanisms</i> , 2019, 8, 27-33.	1.0	8
54	The dynamics of passive feathering rotation in hovering flight of bumblebees. <i>Journal of Fluids and Structures</i> , 2019, 91, 102628.	3.4	31

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55	Computational fluid dynamic study of different incision length of coronary artery bypass grafting in a native coronary stenosis model. <i>Journal of Thoracic Disease</i> , 2019, 11, 393-399.	1.4	5
56	Multiscale modeling of the cardiovascular system for infants, children, and adolescents: Age-related alterations in cardiovascular parameters and hemodynamics. <i>Computers in Biology and Medicine</i> , 2019, 108, 200-212.	7.0	11
57	Evaluation of drag force of a thrip wing by using a microcantilever. <i>Journal of Applied Physics</i> , 2019, 126, 224701.	2.5	11
58	Orientation effects of bicuspid aortic valve with mild/severe aortic stenosis on aortic hemodynamics: a parametric study. <i>Journal of Biomechanical Science and Engineering</i> , 2019, 14, 18-00417-18-00417.	0.3	0
59	Measurement of time-varying kinematics of a dolphin in burst accelerating swimming. <i>PLoS ONE</i> , 2019, 14, e0210860.	2.5	18
60	Effects of tail fin kinematics on propulsive performance in dolphin swimming. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME</i> , 2019, 2019.31, 1D23.	0.0	0
61	A robust biomimetic blade design for micro wind turbines. <i>Renewable Energy</i> , 2018, 125, 155-165.	8.9	29
62	Fluid-structure interaction enhances the aerodynamic performance of flapping wings: a computational study. <i>Journal of Biomechanical Science and Engineering</i> , 2018, 13, 17-00666-17-00666.	0.3	6
63	Multi-fin kinematics and hydrodynamics in pufferfish steady swimming. <i>Ocean Engineering</i> , 2018, 158, 111-122.	4.3	26
64	Downlink Energy Efficiency of Power Allocation and Wireless Backhaul Bandwidth Allocation in Heterogeneous Small Cell Networks. <i>IEEE Transactions on Communications</i> , 2018, 66, 1705-1716.	7.8	145
65	Computational fluid dynamics study of the end-side and sequential coronary artery bypass anastomoses in a native coronary occlusion model. <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2018, 26, 583-589.	1.1	14
66	Flow instability detected in ruptured versus unruptured cerebral aneurysms at the internal carotid artery. <i>Journal of Biomechanics</i> , 2018, 72, 187-199.	2.1	23
67	Forewings match the formation of leading-edge vortices and dominate aerodynamic force production in revolving insect wings. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 016009.	2.9	20
68	Model-Based Study on the Hemodynamic Effects of Graduated Compression Stockings in Supine and Standing Positions. , 2018, , .		0
69	Development of Bio-Inspired Low-Noise Propeller for a Drone. <i>Journal of Robotics and Mechatronics</i> , 2018, 30, 337-343.	1.0	20
70	Biomimetic Riblets Inspired by Sharkskin Denticles: Digitizing, Modeling and Flow Simulation. <i>Journal of Bionic Engineering</i> , 2018, 15, 999-1011.	5.0	18
71	Biomimetic Design Inspired Sharkskin Denticles and Modeling of Diffuser for Fluid Control. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 2018, 31, 133-138.	0.3	6
72	A Three-axis PD Control Model for Bumblebee Hovering Stabilization. <i>Journal of Bionic Engineering</i> , 2018, 15, 494-504.	5.0	12

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73	A simulation-based study on longitudinal gust response of flexible flapping wings. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2018, 34, 1048-1060.	3.4	17
74	Morphology Effects of Leading-edge Serrations on Aerodynamic Force Production: An Integrated Study Using PIV and Force Measurements. <i>Journal of Bionic Engineering</i> , 2018, 15, 661-672.	5.0	24
75	Effect of twist, camber and spanwise bending on the aerodynamic performance of flapping wings. <i>Journal of Biomechanical Science and Engineering</i> , 2018, 13, 17-00618-17-00618.	0.3	6
76	Influence of aging-induced flow waveform variation on hemodynamics in aneurysms present at the internal carotid artery: A computational model-based study. <i>Computers in Biology and Medicine</i> , 2018, 101, 51-60.	7.0	30
77	Bees with attitude: the effects of directed gusts on flight trajectories. <i>Biology Open</i> , 2018, 7, .	1.2	22
78	Aerodynamic robustness in owl-inspired leading-edge serrations: a computational wind-gust model. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 056002.	2.9	14
79	A multi-body dynamics based numerical modelling tool for solving aquatic biomimetic problems. <i>Bioinspiration and Biomimetics</i> , 2018, 13, 056001.	2.9	24
80	A biomimetic blade design for regenerative blower with owl-inspired serrations. <i>The Proceedings of the JSME Conference on Frontiers in Bioengineering</i> , 2018, 2018.29, 2C34.	0.0	0
81	Impact of bicuspid aortic valve morphology on hemodynamics in the aorta: <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2018, 2018.30, 2I07.	0.0	0
82	Robustness strategies in bio-inspired flight systems: morphology, dynamics, and flight control. , 2018, , .		0
83	Gravitational effects on global hemodynamics in different postures: A closed-loop multiscale mathematical analysis. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 595-618.	3.4	16
84	Closed-form solution for the edge vortex of a revolving plate. <i>Journal of Fluid Mechanics</i> , 2017, 821, 200-218.	3.4	11
85	Impact of the location of the fenestration on Fontan circulation haemodynamics: a three-dimensional, computational model study. <i>Cardiology in the Young</i> , 2017, 27, 1289-1294.	0.8	1
86	Quantifying the dynamic wing morphing of hovering hummingbird. <i>Royal Society Open Science</i> , 2017, 4, 170307.	2.4	28
87	Unsteady bio-fluid dynamics in flying and swimming. <i>Acta Mechanica Sinica/Lixue Xuebao</i> , 2017, 33, 663-684.	3.4	39
88	Owl-inspired leading-edge serrations play a crucial role in aerodynamic force production and sound suppression. <i>Bioinspiration and Biomimetics</i> , 2017, 12, 046008.	2.9	59
89	Cell migration guided by a groove with branches. <i>Journal of Biomechanical Science and Engineering</i> , 2017, 12, 16-00613-16-00613.	0.3	1
90	Aerodynamic characteristics of small wind-turbine wing inspired by bird wing. <i>The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME</i> , 2017, 2017.29, 2F44.	0.0	0

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91	The impact of insect wing shape on the formation of leading edge vortex. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2017, 2017.29, 2F22.	0.0	0
92	Computational Fluid Dynamic Modeling of Dolphin Swimming and Analysis of Thrust-Generating Mechanism with Oscillating Tail Fin and Body. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2017, 2017.29, 2F35.	0.0	0
93	Dynamics of Actin Stress Fibers and Focal Adhesions during Slow Migration in Swiss 3T3 Fibroblasts: Intracellular Mechanism of Cell Turning. BioMed Research International, 2016, 2016, 1-16.	1.9	7
94	Cardiovascular disease-induced thermal responses during passive heat stress: an integrated computational study. International Journal for Numerical Methods in Biomedical Engineering, 2016, 32, e02768.	2.1	20
95	Energy Efficient Joint User Association and Power Allocation in a Two-Tier Heterogeneous Network. , 2016, , .		17
96	Hemodynamic response to exercise in supine and standing attitudes: an integrated model. Journal of Biomechanical Science and Engineering, 2016, 11, 15-00523-15-00523.	0.3	3
97	Sensitivity of flow patterns in aneurysms on the anterior communicating artery to anatomic variations of the cerebral arterial network. Journal of Biomechanics, 2016, 49, 3731-3740.	2.1	25
98	The gust-mitigating potential of flapping wings. Bioinspiration and Biomimetics, 2016, 11, 046010.	2.9	23
99	Biomechanics and biomimetics in insect-inspired flight systems. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150390.	4.0	93
100	Low-frequency harmonics in inlet flow rate play a crucial role in inducing flow instabilities in terminal cerebral aneurysms. Journal of Biomechanical Science and Engineering, 2016, 11, 16-00117-16-00117.	0.3	3
101	Energy efficient power allocation and backhaul design in heterogeneous small cell networks. , 2016, , .		17
102	Effect of elasticity on wall shear stress inside cerebral aneurysm at anterior cerebral artery. Technology and Health Care, 2016, 24, 349-357.	1.2	22
103	Bumblebees minimize control challenges by combining active and passive modes in unsteady winds. Scientific Reports, 2016, 6, 35043.	3.3	46
104	Fluid Vibration Induced by High-Shear-Rate Flow in a T-Junction. Journal of Fluids Engineering, Transactions of the ASME, 2016, 138, .	1.5	5
105	Exploring potential association between flow instability and rupture in patients with matched-pairs of ruptured and unruptured intracranial aneurysms. BioMedical Engineering OnLine, 2016, 15, 166.	2.7	10
106	Fish larvae exploit edge vortices along their dorsal and ventral fin folds to propel themselves. Journal of the Royal Society Interface, 2016, 13, 20160068.	3.4	25
107	Aerodynamics, sensing and control of insect-scale flapping-wing flight. Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences, 2016, 472, 20150712.	2.1	104
108	Mathematical Modeling and Control of a Cost Effective AC Voltage Stabilizer. IEEE Transactions on Power Electronics, 2016, 31, 8007-8016.	7.9	10

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109	Effects of arterial blood flow on walls of the abdominal aorta: distributions of wall shear stress and oscillatory shear index determined by phase-contrast magnetic resonance imaging. Heart and Vessels, 2016, 31, 1168-1175.	1.2	27
110	Repression of wall shear stress inside cerebral aneurysm at bifurcation of anterior cerebral artery by stents. Heart and Vessels, 2016, 31, 622-627.	1.2	3
111	Aerodynamic Ground Effect in Fruitfly Sized Insect Takeoff. PLoS ONE, 2016, 11, e0152072.	2.5	33
112	1E44 Evaluation of Heart Disease Functions during One-leg Exercise through Coupling Cardiovascular System and Autonomic Nervous System. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM, 2016, 2016.28, _1E44-1_-_1E44-5_.	0.0	0
113	1C32 Influence of wing flexibility on hovering flight stability under disturbances. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM, 2016, 2016.28, _1C32-1_-_1C32-5_.	0.0	0
114	Bio-inspired flight system and biomimetic micro air vehicles. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM, 2016, 2016.28, C2.	0.0	0
115	Evaluation of Cardiac Function in Patients during Exercise by Coupling Cardiovascular and Autonomic Nervous Systems. The Proceedings of Mechanical Engineering Congress Japan, 2016, 2016, J0220103.	0.0	0
116	1E46 Dependency of Fenestration Location on Hemodynamics in Fontan with Consideration of Physiological Functions. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM, 2016, 2016.28, _1E46-1_-_1E46-5_.	0.0	0
117	A CFD-informed quasi-steady model of flapping-wing aerodynamics. Journal of Fluid Mechanics, 2015, 783, 323-343.	3.4	70
118	Does a revolving wing stall at low Reynolds numbers?. Journal of Biomechanical Science and Engineering, 2015, 10, 15-00588-15-00588.	0.3	15
119	Flexible flapping wings with self-organized microwrinkles. Bioinspiration and Biomimetics, 2015, 10, 046005.	2.9	29
120	Numerical Study of Cerebroarterial Hemodynamic Changes Following Carotid Artery Operation: A Comparison Between Multiscale Modeling and Stand-Alone Three-Dimensional Modeling. Journal of Biomechanical Engineering, 2015, 137, 101011.	1.3	31
121	Total Cavopulmonary Connection is Superior to Atriopulmonary Connection Fontan in Preventing Thrombus Formation: Computer Simulation of Flow-Related Blood Coagulation. Pediatric Cardiology, 2015, 36, 1436-1441.	1.3	17
122	Multi-scale modeling of hemodynamics in the cardiovascular system. Acta Mechanica Sinica/Lixue Xuebao, 2015, 31, 446-464.	3.4	21
123	Development of Insect-Sized MAVs. , 2015, , 1329-1358.		0
124	1C31 Study on cell migration pattern associated with difference in substrate stiffness. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSM, 2015, 2015.27, 115-116.	0.0	0
125	OS18-4 Analysis of Nuclear-Centrosomal Axis in HeLa Cells Using a Photoactivatable Substrate(Cell) Tj ETQq1 1 0.784314 rgBT /Overl... International Conference on Advanced Technology in Experimental Mechanics Asian Conference on Experimental Mechanics. 2015, 2015.14, 238.	0.0	0
126	Analysis of Collective Cell Migration on Different Substrates by Template Matching. Journal of Life Support Engineering, 2015, 27, 97-104.	0.0	0

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127	1C32 Orientation of nuclear centrosomal axis during cell polarity formation by control of cellular geometry. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 117-118.	0.0	0
128	OS1-6 Flexible wing-and body-based strategies for bio-inspired flight system : aerodynamics and flight stability(OS1: Bio-inspired Flight System Biomechanics II). The Proceedings of the Asian Pacific Conference on Biomechanics Emerging Science and Technology in Biomechanics, 2015, 2015.8, 67.	0.0	0
129	J0210101 A Computational Auto-Regulation System : Integrative Simulation of the Cardiovascular System and the Autonomic Nervous System. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J0210101-_J0210101-.	0.0	0
130	2A31 Integrated computation of left ventricle-aortic hemodynamics with consideration of bicuspid aortic valve disease. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 321-322.	0.0	0
131	PS1-17 Quantifying the interplay between bicuspid aortic valve and aortic hemodynamics : an integrative computational study(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, 238.	0.0	0
132	2A22 On the uncertainty of simulation-based prediction of pulse wave propagation in the cardiovascular system. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 313-314.	0.0	0
133	OS1-3 DYNAMICS OF HUMMINGBIRDS FLYING IN HIGHLY TURBULENT WINDS(OS1: Bio-inspired Flight System) Tj ETQq1 1 0.784314 and Technology in Biomechanics, 2015, 2015.8, 64.	0.0	0
134	2B22 On the flight dynamic stability of a pyramid-shaped flyer. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 355-356.	0.0	0
135	1A14 Particle method computer simulation of arterial thrombus depending on shear rate. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 9-10.	0.0	0
136	2B24 Optimization of bio-inspired small wind turbine blades. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 359-360.	0.0	0
137	J0210102 Dependency of 3D Hemodynamics in Fontan Procedure on Fenestration Location. The Proceedings of Mechanical Engineering Congress Japan, 2015, 2015, _J0210102-_J0210102-.	0.0	0
138	PS1-11 EXPERIMENTAL MEASUREMENTS OF THROMBUS FORMATION UNDER FLUID FLOW IN MICRO CHANNEL(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, 232.	0.0	1
139	PS3-8 COMPUTER SIMULATION OF MEDICINAL EFFECT ON THROMBUS FORMATION USING PARTICLE METHOD(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, 269.	0.0	0
140	2B21 Assessing aerodynamic performance of hummingbird-inspired flapping system. The Proceedings of the Bioengineering Conference Annual Meeting of BED//SME, 2015, 2015.27, 353-354.	0.0	0
141	PS1-18 Simulation of the Cardiovascular Autonomic Functions : Integrating the Cardiovascular System and the Autonomic Nervous System(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, 239.	0.0	0
142	Effect of torsional stiffness and inertia on the dynamics of low aspect ratio flapping wings. Bioinspiration and Biomimetics, 2014, 9, 016008.	2.9	32
143	Effects of wing deformation on aerodynamic performance of a revolving insect wing. Acta Mechanica Sinica/Lixue Xuebao, 2014, 30, 819-827.	3.4	18
144	Patient-specific assessment of cardiovascular function by combination of clinical data and computational model with applications to patients undergoing Fontan operation. International Journal for Numerical Methods in Biomedical Engineering, 2014, 30, 1000-1018.	2.1	22

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145	Blood flow dynamic improvement with aneurysm repair detected by a patient-specific model of multiple aortic aneurysms. Heart and Vessels, 2014, 29, 404-412.	1.2	17
146	Hemodynamic performance of the Fontan circulation compared with a normal biventricular circulation: a computational model study. American Journal of Physiology - Heart and Circulatory Physiology, 2014, 307, H1056-H1072.	3.2	50
147	Escape trajectories are deflected when fish larvae intercept their own C-start wake. Journal of the Royal Society Interface, 2014, 11, 20140848.	3.4	30
148	Damage localization of marine risers using time series of vibration signals. Journal of Ocean University of China, 2014, 13, 777-781.	1.2	6
149	Body flexion effect on the flight dynamics of a hovering hawkmoth. Journal of Biomechanical Science and Engineering, 2014, 9, 14-00409-14-00409.	0.3	6
150	C103 Thrombus formation process in micro channel. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2014, 2014.25, 63-64.	0.0	0
151	1G41 Two-dimensional particle method simulation of thrombus formation after Fontan operation : comparison with the clinical data. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 241-242.	0.0	0
152	2G41 Motion analysis of forward flight of butterfly-inspired electric ornithopters. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 545-546.	0.0	0
153	C104 Particle method simulation of thrombus formation and dissolution considering medicinal effect. The Proceedings of the JSME Conference on Frontiers in Bioengineering, 2014, 2014.25, 65-66.	0.0	0
154	2G43 Effect of Wing Flexibility on Flight Ability of Flapping Flight. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 549-550.	0.0	0
155	2E24 Mechanical properties of cell cortex in mouse leukocyte migration. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 449-450.	0.0	0
156	2E26 Biomechanics simulation of thrombus formation using particle method : Effects of model parameter. The Proceedings of the Bioengineering Conference Annual Meeting of BED/JSME, 2014, 2014.26, 453-454.	0.0	0
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