

# Harvey Ho

## List of Publications by Year in descending order

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Version: 2024-02-01

80  
papers

658  
citations

759233

12  
h-index

752698

20  
g-index

83  
all docs

83  
docs citations

83  
times ranked

657  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of ultrafine comminution treatment on gelling properties of myofibrillar proteins from chicken breast. <i>Food Hydrocolloids</i> , 2019, 97, 105199.	10.7	43
2	Antimicrobial resistance and virulence genes of <i>Streptococcus</i> isolated from dairy cows with mastitis in China. <i>Microbial Pathogenesis</i> , 2019, 131, 33-39.	2.9	43
3	Modeling the hepatic arterial buffer response in the liver. <i>Medical Engineering and Physics</i> , 2013, 35, 1053-1058.	1.7	36
4	Roadmap for cardiovascular circulation model. <i>Journal of Physiology</i> , 2016, 594, 6909-6928.	2.9	33
5	Prevalence and antimicrobial-resistance phenotypes and genotypes of <i>Escherichia coli</i> isolated from raw milk samples from mastitis cases in four regions of China. <i>Journal of Global Antimicrobial Resistance</i> , 2020, 22, 94-101.	2.2	31
6	Physicochemical and microstructural attributes of marinated chicken breast influenced by breathing ultrasonic tumbling. <i>Ultrasonics Sonochemistry</i> , 2020, 64, 105022.	8.2	28
7	Hemodynamic Analysis for Transjugular Intrahepatic Portosystemic Shunt (TIPS) in the Liver Based on a CT-Image. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 92-98.	8.9	23
8	Improving physicochemical properties of myofibrillar proteins from wooden breast of broiler by diverse glycation strategies. <i>Food Chemistry</i> , 2022, 382, 132328.	8.2	23
9	Mechanics of the foot Part 2: A coupled solid-fluid model to investigate blood transport in the pathologic foot. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2012, 28, 1071-1081.	2.1	19
10	Numerical Simulation of Blood Flow in an Anatomically-Accurate Cerebral Venous Tree. <i>IEEE Transactions on Medical Imaging</i> , 2013, 32, 85-91.	8.9	19
11	Synergistic effect of preheating and different power output high-intensity ultrasound on the physicochemical, structural, and gelling properties of myofibrillar protein from chicken wooden breast. <i>Ultrasonics Sonochemistry</i> , 2022, 86, 106030.	8.2	18
12	Anatomically based simulation of hepatic perfusion in the human liver. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 35, e3229.	2.1	16
13	A spatial-temporal model for zonal hepatotoxicity of acetaminophen. <i>Drug Metabolism and Pharmacokinetics</i> , 2019, 34, 71-77.	2.2	14
14	Profiles of gelling characteristics of myofibrillar proteins extracted from chicken breast: Effects of temperatures and phosphates. <i>LWT - Food Science and Technology</i> , 2020, 129, 109525.	5.2	13
15	Multiscale Modeling of Intracranial Aneurysms: Cell Signaling, Hemodynamics, and Remodeling. <i>IEEE Transactions on Biomedical Engineering</i> , 2011, 58, 2974-2977.	4.2	12
16	Post-mortem prediction of primal and selected retail cut weights of New Zealand lamb from carcass and animal characteristics. <i>Meat Science</i> , 2016, 112, 39-45.	5.5	12
17	Fast blood-flow simulation for large arterial trees containing thousands of vessels. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2017, 20, 160-170.	1.6	12
18	A CT-image based pig atlas model and its potential applications in the meat industry. <i>Meat Science</i> , 2019, 148, 1-4.	5.5	11

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19	Novel methods for segment-specific blood flow simulation for the liver. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2018, 21, 780-783.	1.6	10
20	Hemodynamic aspects of the Budd-Chiari syndrome of the liver: A computational model study. <i>Medical Engineering and Physics</i> , 2019, 69, 134-139.	1.7	10
21	A multi-scale spatial model of hepatitis-B viral dynamics. <i>PLoS ONE</i> , 2017, 12, e0188209.	2.5	9
22	Virtual Lobule Models Are the Key for Multiscale Biomechanical and Pharmacological Modeling for the Liver. <i>Frontiers in Physiology</i> , 2020, 11, 1061.	2.8	9
23	Efficacy and Mechanism of Ultrasound Combined with Slightly Acidic Electrolyzed Water for Inactivating <i>Escherichia coli</i> . <i>Journal of Food Quality</i> , 2021, 2021, 1-10.	2.6	9
24	A Hybrid 1D and 3D Approach to Hemodynamics Modelling for a Patient-Specific Cerebral Vasculature and Aneurysm. <i>Lecture Notes in Computer Science</i> , 2009, 12, 323-330.	1.3	9
25	Computer simulation of vertebral artery occlusion in endovascular procedures. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2010, 5, 29-37.	2.8	8
26	Blood Flow Simulation for the Liver after a Virtual Right Lobe Hepatectomy. <i>Lecture Notes in Computer Science</i> , 2012, 15, 525-532.	1.3	8
27	Analysis of Veterinary Drug Residues in Pasteurized Milk Samples in Chinese Milk Bars. <i>Journal of Food Protection</i> , 2020, 83, 204-210.	1.7	8
28	Mathematical Modeling for Hepatitis B Virus: Would Spatial Effects Play a Role and How to Model It?. <i>Frontiers in Physiology</i> , 2020, 11, 146.	2.8	8
29	Distribution and variation in proteins of casein micellar fractions response to heat-treatment from five dairy species. <i>Food Chemistry</i> , 2021, 365, 130640.	8.2	8
30	Computational simulations for the hepatic arterial buffer response after liver graft transplantation from an adult to a child. <i>Medical Engineering and Physics</i> , 2020, 75, 49-52.	1.7	8
31	In vivo measurement of gastric fluid volume in anesthetized dogs. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 55, 101488.	3.0	7
32	Modeling the hepatic arterial flow in living liver donor after left hepatectomy and postoperative boundary condition exploration. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2020, 36, e3268.	2.1	7
33	Occurrence, Antimicrobial Resistance Patterns, and Genetic Characterization of <i>Staphylococcus aureus</i> Isolated from Raw Milk in the Dairy Farms over Two Seasons in China. <i>Microbial Drug Resistance</i> , 2021, 27, 99-110.	2.0	7
34	Effect of Anastomosis Angles on Retrograde Perfusion and Hemodynamics of Hybrid Treatment for Thoracoabdominal Aortic Aneurysm. <i>Annals of Vascular Surgery</i> , 2022, 79, 298-309.	0.9	7
35	A computational model for hepatotoxicity by coupling drug transport and acetaminophen metabolism equations. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2019, 35, e3234.	2.1	6
36	Extrapolation for a pharmacokinetic model for acetaminophen from adults to neonates: A Latin Hypercube Sampling analysis. <i>Drug Metabolism and Pharmacokinetics</i> , 2020, 35, 329-333.	2.2	6

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37	A coupled one dimension and transmission line model for arterial flow simulation. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3327.	2.1	6
38	Physiologically Based Pharmacokinetic Modelling for Nicotine and Cotinine Clearance in Pregnant Women. Frontiers in Pharmacology, 2021, 12, 688597.	3.5	6
39	Blood Flow Simulation in a Giant Intracranial Aneurysm and Its Validation by Digital Subtraction Angiography. , 2011, , 15-26.		5
40	A Pilot Study on Secondhand Smoke Exposure Among Pregnant Women in Chongqing, China: A Combined Questionnaire, Saliva Cotinine Test, and Ultrasound Flow Index Analysis. Frontiers in Public Health, 2020, 8, 290.	2.7	5
41	A Hybrid 0D-1D Model for Cerebral Circulation and Cerebral Arteries. , 2020, , 99-110.		5
42	Hemodynamic Simulation for an Anatomically Realistic Portal System. Lecture Notes in Computer Science, 2011, 14, 347-354.	1.3	5
43	Non-newtonian Blood Flow Analysis for the Portal Vein Based on a CT Image. Lecture Notes in Computer Science, 2012, , 283-291.	1.3	5
44	A Numerical Approach to Patient-Specific Cerebral Vasospasm Research. , 2011, 110, 157-160.		5
45	Numerical analysis for the blood flow in a patient-specific ophthalmic artery. Medical Engineering and Physics, 2012, 34, 123-127.	1.7	4
46	Computational Simulation of Blood Flow and Drug Transportation in a Large Vasculature. , 2016, , 133-142.		4
47	Quantification of <i>in vivo</i> gastric fluid volume in Bama miniature pigs in fasted state. Biopharmaceutics and Drug Disposition, 2018, 39, 403-407.	1.9	4
48	Computational modelling for the spiral flow in umbilical arteries with different systole/diastole flow velocity ratios. Medical Engineering and Physics, 2020, 84, 96-102.	1.7	4
49	A Survey of 61 Veterinary Drug Residues in Commercial Liquid Milk Products in China. Journal of Food Protection, 2020, 83, 1227-1233.	1.7	4
50	Global sensitivity analysis of a single-cell HBV model for viral dynamics in the liver. Infectious Disease Modelling, 2021, 6, 1220-1235.	1.9	4
51	An <i>in silico</i> rat liver atlas. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 597-600.	1.6	3
52	Deformable Cubic Hermite Mesh Templates for Statistical Liver Shape Analysis. Lecture Notes in Computer Science, 2018, , 93-101.	1.3	3
53	Geometric Modelling of Patient-Specific Hepatic Structures Using Cubic Hermite Elements. Lecture Notes in Computer Science, 2012, , 264-271.	1.3	3
54	A Computer Simulation for 3D Vasculature-Based Oxygen Distribution and Tumour Growth. , 2015, , 25-35.		2

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55	Modelling the Deformation of the Human Cornea Produced by a Focussed Air Pulse. , 2015, , 93-100.		2
56	Visible Fat Content of Hotpot Beef Acceptability by New Zealand Chinese, Japanese, and Korean Consumers. Journal of Food Quality, 2019, 2019, 1-11.	2.6	2
57	Patient-Specific Blood Flow Analysis for Cerebral Arteriovenous Malformation Based on Digital Subtraction Angiography Images. Frontiers in Bioengineering and Biotechnology, 2020, 8, 775.	4.1	2
58	Maternal Smoking Induced Cardiovascular Risks in Fetuses: How Can in silico Models Help?. Frontiers in Bioengineering and Biotechnology, 2020, 8, 97.	4.1	2
59	Ventricular Septal Rupture After Blunt Chest Trauma in an Infant: A Case Report and Mini-Review. Frontiers in Pediatrics, 2020, 8, 316.	1.9	2
60	An in silico pipeline for subject-specific hemodynamics analysis in liver surgery planning. Computer Methods in Biomechanics and Biomedical Engineering, 2020, 23, 138-142.	1.6	2
61	Prevalence, Drug Resistance, and Virulence Genes of Potential Pathogenic Bacteria in Pasteurized Milk of Chinese Fresh Milk Bar. Journal of Food Protection, 2021, 84, 1863-1867.	1.7	2
62	Modelling the Tumour Growth Along a Complex Vasculature Using Cellular Automata. , 2014, , 27-40.		2
63	Towards a Multiscale Integrative Model of WSS-Induced Signaling Pathways in Cerebral Aneurysms. IFMBE Proceedings, 2010, , 1159-1162.	0.3	2
64	Texture Driven Pose Estimation. , 0, , .		1
65	AneuSearch: a software prototype for intracranial aneurysm searching and clinical decision support. International Journal of Computer Assisted Radiology and Surgery, 2014, 9, 997-1004.	2.8	1
66	Virtual liver models in pre-surgical planning, intra-surgical navigation and prognosis analysis. Drug Discovery Today: Disease Models, 2016, 22, 51-56.	1.2	1
67	Evaluation of a Statistical Shape Model for the Liver. , 2018, , .		1
68	Computational modeling of cerebral aneurysm formation â€” framework for modeling the interaction between fluid dynamics, signal transduction pathways and arterial wall mechanics. IFMBE Proceedings, 2009, , 1894-1898.	0.3	1
69	Patient-Specific Hemodynamic Analysis for Proximal Protection in Carotid Angioplasty. , 2010, , 43-52.		1
70	System Designs for Augmented Reality Based Ablation Probe Tracking. Lecture Notes in Computer Science, 2018, , 87-99.	1.3	1
71	Methods and apparatus for tracking internal structures in soft objects: A phantom-based study. , 2017, , .		0
72	Considerations for a computer model for the hepatic circulation under chronic Budd-Chiari syndrome conditions. Medical Engineering and Physics, 2019, 71, 2.	1.7	0

#	ARTICLE	IF	CITATIONS
73	Towards a Generic Bicubic Hermite Mesh Template for Cow Udders. Communications in Computer and Information Science, 2021, , 100-107.	0.5	0
74	Toward Computer Modelling of Blood Flow in an Anatomically Accurate Arterial Tree in Endovascular Interventions. , 2012, , 107-118.		0
75	Modelling Respiration Induced Torso Deformation Using a Mesh Fitting Algorithm. Lecture Notes in Computer Science, 2017, , 625-634.	1.3	0
76	Real-Time Morphing of the Visible Man Liver with Intrahepatic Vasculatures. Communications in Computer and Information Science, 2020, , 150-159.	0.5	0
77	Development of 3D Physiological Simulation and Education Software for Pregnant Women. Communications in Computer and Information Science, 2020, , 160-168.	0.5	0
78	Survey of Aflatoxin M1 in Commercial Liquid Milk Products in China. Journal of Food Protection, 2021, 84, 200-203.	1.7	0
79	Secondhand Smoking and Sudden Infant Death Syndrome: How can in Silico Pharmacokinetics and Circulation Models Contribute?. Frontiers in Bioengineering and Biotechnology, 2021, 9, 820404.	4.1	0
80	Multiscale Modeling Is Required for the Patent Ductus Arteriosus in Preterm Infants. Frontiers in Pediatrics, 2022, 10, 857434.	1.9	0