Wen-tao Jiang

List of Publications by Year
in descending order

59	485	758635 12	752256 20
papers	citations	h-index	g-index

71	71	71	524
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	An S-type bypass can improve the hemodynamics in the bypassed arteries and suppress intimal hyperplasia along the host artery floor. Journal of Biomechanics, 2008, 41, 2498-2505.	0.9	47
2	Numerical simulation of pulsatile non-Newtonian flow in the carotid artery bifurcation. Acta Mechanica Sinica/Lixue Xuebao, 2009, 25, 249-255.	1.5	40
3	Hemodynamic Performance Study on Small Diameter Helical Grafts. ASAIO Journal, 2009, 55, 192-199.	0.9	33
4	A Comparative Study of Helical-Type and Traditional-Type Artery Bypass Grafts: Numerical Simulation. ASAIO Journal, 2011, 57, 399-406.	0.9	33
5	Interaction between a <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mo stretchy="true">{</mml:mo><mml:mn>10</mml:mn><mml:mrow><mml:mover accent="true"><mml:mn>1</mml:mn><mml:mo>â€¾</mml:mo></mml:mover></mml:mrow><mml:mn>2</mml:mn><mml:mo stretchy="true">}</mml:mo></mml:mrow></mml:math> twin boundary and grain boundaries in magnesium. International Journal of Plasticity, 2020, 126, 102613.	4.1	32
6	Effect of Multiple Factors on Foam Stability in Foam Sclerotherapy. Scientific Reports, 2018, 8, 15683.	1.6	23
7	Numerical investigation of haemodynamics in a helical-type artery bypass graft using non-Newtonian multiphase model. Computer Methods in Biomechanics and Biomedical Engineering, 2015, 18, 760-768.	0.9	20
8	Experimental and Numerical Simulation of Biodegradable Stents with Different Strut Geometries. Cardiovascular Engineering and Technology, 2020, 11, 36-46.	0.7	20
9	A comparison of different surfactants on foam stability in foam sclerotherapy inÂvitro. Journal of Vascular Surgery, 2019, 69, 581-591.e1.	0.6	15
10	Three-Dimensional Finite Element Analysis of Mechanical Stress in Symphyseal Fractured Human Mandible Reduced With Miniplates During Mastication. Journal of Oral and Maxillofacial Surgery, 2010, 68, 1585-1592.	0.5	14
11	Studies on Foam Decay Trend and Influence of Temperature Jump on Foam Stability in Sclerotherapy. Vascular and Endovascular Surgery, 2018, 52, 98-106.	0.3	14
12	Numerical investigation of oxygen mass transfer in a helical-type artery bypass graft. Computer Methods in Biomechanics and Biomedical Engineering, 2014, 17, 549-559.	0.9	12
13	Influence of Syringe Volume on Foam Stability in Sclerotherapy for Varicose Vein Treatment. Dermatologic Surgery, 2018, 44, 689-696.	0.4	12
14	Lower Limb Inter-Joint Coordination of Unilateral Transfemoral Amputees: Implications for Adaptation Control. Applied Sciences (Switzerland), 2020, 10, 4072.	1.3	12
15	Atomistic migration mechanisms of <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.svg"><mml:mrow><mml:mo>[</mml:mo><mml:mrow><mml:mn>1</mml:mn><mml:mover accent="true"><mml:mn>2</mml:mn><mml:mo>Â¯</mml:mo></mml:mover><mml:mn>10</mml:mn></mml:mrow><mml:mo>]</mml:mo></mml:mrow></mml:math> symmetric tilt grain boundaries in magnesium. International Journal of Plasticity, 2022, 156, 103362.	4.1	12
16	Numerical Simulation of Compliant Artery Bypass Grafts Using Fluidâ€“Structure Interaction Framework. ASAIO Journal, 2014, 60, 533-540.	0.9	10
17	Numerical simulation on the effects of drug-eluting stents with different bending angles on hemodynamics and drug distribution. Medical and Biological Engineering and Computing, 2016, 54, 1859-1870.	1.6	9
18	A Review of Sclerosing Foam Stability in the Treatment of Varicose Veins. Dermatologic Surgery, 2020, 46, 249-257.	0.4	9

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19	Acute and short-term efficacy of sauna treatment on cardiovascular function: Ameta-analysis. European Journal of Cardiovascular Nursing, 2021, 20, 96-105.	0.4	9
20	Numerical simulation on the effects of drug eluting stents at different Reynolds numbers on hemodynamic and drug concentration distribution. BioMedical Engineering OnLine, 2015, 14, S16.	1.3	8
21	SnTe monolayer: Tuning its electronic properties with doping. Superlattices and Microstructures, 2019, 130, 12-19.	1.4	8
22	Theoretical design of SnTe/GeS lateral heterostructures: A first-principles study. Physica B: Condensed Matter, 2020, 583, 412047.	1.3	8
23	Nonsymmorphic nodal-line metals in the two-dimensional rare earth monochalcogenides MX (Mâ€‰=â€‰Sc, Y;) Tj ETQq1 1 0.7843	1.7	7
24	ASSESSING HEMODYNAMIC PERFORMANCES OF SMALL DIAMETER HELICAL GRAFTS: TRANSIENT SIMULATION. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250008.	0.3	6
25	Fluidâ€“Solid Interaction Analysis on Iliac Bifurcation Artery: A Numerical Study. International Journal of Computational Methods, 2019, 16, 1850112.	0.8	6
26	Blood Flow and Oxygen Transport in Descending Branch of Lateral Femoral Circumflex Arteries After Transfemoral Amputation: A Numerical Study. Journal of Medical and Biological Engineering, 2017, 37, 63-73.	1.0	5
27	Developing transmission line equations of oxygen transport for predicting oxygen distribution in the arterial system. Scientific Reports, 2018, 8, 5369.	1.6	5
28	Hemodynamics and Oxygen Transport through Pararenal Aortic Aneurysm Treated with Multilayer Stent: A Numerical Study. Annals of Vascular Surgery, 2019, 54, 290-297.	0.4	5
29	Interactions between twin boundary and point defects in magnesium at low temperature. Journal of Materials Research, 2021, 36, 2639-2650.	1.2	5
30	Strengthening/softening effects of vacancies on twinning deformation in zirconium. Journal of Nuclear Materials, 2022, 560, 153507.	1.3	5
31	NUMERICAL SIMULATION ON THE EFFECTS OF DRUG-ELUTING STENTS WITH DIFFERENT LINKS ON HEMODYNAMICS AND DRUG CONCENTRATION DISTRIBUTION. Journal of Mechanics in Medicine and Biology, 2013, 13, 1350070.	0.3	4
32	Hemodynamics study of a multilayer stent for the treatment of aneurysms. BioMedical Engineering OnLine, 2016, 15, 134.	1.3	3
33	Quantitative detection method for icing of horizontalâ€axis wind turbines. Wind Energy, 2019, 22, 433-446.	1.9	3
34	Effects of vacancy defects on electronic properties of 2D group-IV Tellurides (XTe, X = Si, Ge, Sn and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	1.4	3
35	Segmentary strategy in modeling of cardiovascular system with blood supply to regional skin. Biocybernetics and Biomedical Engineering, 2021, 41, 1505-1517.	3.3	3
36	Clinical and hemodynamic insights into the use of internal iliac artery balloon occlusion as a prophylactic technique for treating postpartum hemorrhage. Journal of Biomechanics, 2021, 129, 110827.	0.9	3

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37	Interaction between <c> dislocation loop and <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si21.svg"><mml:mrow><mml:mo>{</mml:mo><mml:mrow><mml:mn>10</mml:mn><mml:mover accent="true"><mml:mn>1</mml:mn><mml:mo>Â¯</mml:mo></mml:mover><mml:mn>2</mml:mn></mml:mrow><mml:mo>}</mml:mo></mml:mrow> twin boundary in magnesium. Journal of Nuclear Materials, 2022, 560, 153495.	1.3	3
38	NUMERICAL SIMULATION ON THE EFFECTS OF DRUG RELEASE POSITIONS IN HEPATIC PORTAL VEIN FOR TARGETING THERAPY. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550038.	0.3	2
39	THE CREATIVE INVESTIGATION OF BRAIN ACTIVITY WITH EEG FOR GENDER AND LEFT/RIGHT-HANDED DIFFERENCES. Journal of Mechanics in Medicine and Biology, 2015, 15, 1550054.	0.3	2
40	REVIEW: HEMODYNAMIC STUDIES FOR LOWER LIMB AMPUTATION AND REHABILITATION. Journal of Mechanics in Medicine and Biology, 2015, 15, 1530005.	0.3	2
41	Non-amputated limb muscle coordination of unilateral transfemoral amputees. Journal of Biomechanics, 2021, 115, 110155.	0.9	2
42	Molecular dynamics simulations on the interactions between basal edge dislocation and point defects in magnesium at low temperature. Nuclear Instruments & Methods in Physics Research B, 2022, 510, 20-28.	0.6	2
43	Finite Element Analysis of the Effect of Mastication on Endochondral Ossification During the Consolidation Period of Mandibular Distraction Osteogenesis. Arabian Journal for Science and Engineering, 2014, 39, 7223-7228.	1.1	1
44	Effect of Solute Atoms on the Twinning Deformation in Magnesium Alloys. Minerals, Metals and Materials Series, 2019, , 227-230.	0.3	1
45	Nonlinear forced vibration of rotating composite laminated cylindrical shells under hygrothermal environment. Zeitschrift Fur Naturforschung - Section A Journal of Physical Sciences, 2021, 76, 769-786.	0.7	1
46	Experimental Analysis of the 3D Flow Field of a Virtual Stent Using Particle Image Velocimetry. Journal of Biomaterials and Tissue Engineering, 2015, 5, 16-23.	0.0	1
47	Numerical study on the effects of liquid parameters on sclerosing foam coalescence. Meccanica, 2021, 56, 2789-2798.	1.2	1
48	Decomposition of $$langle {c}+{a}angle $$ Dislocations in Magnesium Alloys. Acta Mechanica Solida Sinica, 0, , 1.	1.0	1
49	NUMERICAL INVESTIGATION OF PULSATILE FLOW IN AN S-TYPE BYPASS GRAFT. Journal of Mechanics in Medicine and Biology, 2012, 12, 1250002.	0.3	0
50	NUMERICAL STUDY ON THE EFFECTS OF THE NUMBER AND GEOMETRIES OF DRUG-ELUTING STENT LINKS ON THE DRUG CONCENTRATION. Journal of Mechanics in Medicine and Biology, 2014, 14, 1450077.	0.3	0
51	Lattice scale study of the interaction between the vortex and anti-vortex polarization domain. , 2017, , .		0
52	Strain Effect Of Band Gap In Snte Monolayer. , 2019, , .		0
53	Strain-induced vortex domain structure in Nano-crystalline ferroelectric. Ferroelectrics, 2020, 568, 71-78.	0.3	0
54	An Optical Method for Immediate Evaluation of Microfoam Stability in Foam Sclerotherapy. Skin Pharmacology and Physiology, 2021, 34, 128-134.	1.1	0

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55	Acute Hemodynamic Improvement by Thermal Vasodilation inside the Abdominal and Iliac Arterial Segments of Young Sedentary Individuals. Journal of Vascular Research, 2021, 58, 191-206.	0.6	0
56	Acute and short-term efficacy of sauna treatment on cardiovascular function: a meta-analysis: reply. European Journal of Cardiovascular Nursing, 2021, 20, 730-730.	0.4	0
57	The Spatial Structure Changes of Thigh Arterial Trees After Transfemoral Amputation: Case Studies. Journal of Medical Imaging and Health Informatics, 2016, 6, 688-692.	0.2	0
58	Numerical insights into the determinants of stent performance for the management of aneurysm with a visceral vessel attached. Acta of Bioengineering and Biomechanics, 2021, 23, 41-53.	0.2	0
59	Formation of stacking fault pyramid in zirconium. Computational Materials Science, 2022, 212, 111591.	1.4	0