Kerem Pekkan

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

2,668 48 29 117 h-index g-index citations papers 3,018 152 3.5 4.75 L-index avg, IF ext. citations ext. papers

#	Paper	IF	Citations
117	A novel Fontan Y-graft for interrupted inferior vena cava and azygos continuation <i>Interactive Cardiovascular and Thoracic Surgery</i> , 2022 ,	1.8	1
116	Polymeric hollow fiber membrane oxygenators as artificial lungs: A review. <i>Biochemical Engineering Journal</i> , 2022 , 180, 108340	4.2	1
115	In vitro measurement of hepatic flow distribution in Fontan vascular conduits: Towards rapid validation techniques <i>Journal of Biomechanics</i> , 2022 , 137, 111092	2.9	
114	Shaping the field of Cardiovascular Fluid Mechanics: The 40th Anniversary of Ajit Yoganathan Research Laboratory. <i>Cardiovascular Engineering and Technology</i> , 2021 , 1	2.2	1
113	Computational modeling of vascular growth in patient-specific pulmonary arterial patch reconstructions. <i>Journal of Biomechanics</i> , 2021 , 117, 110274	2.9	2
112	Hemodynamic performance limits of the neonatal Double-Lumen cannula. <i>Journal of Biomechanics</i> , 2021 , 121, 110382	2.9	0
111	Single-center experience with routine clinical use of 3D technologies in surgical planning for pediatric patients with complex congenital heart disease. <i>Diagnostic and Interventional Radiology</i> , 2021 , 27, 488-496	3.2	3
110	Estimation of pulsatile energy dissipation in intersecting pipe junctions using inflow pulsatility indices. <i>AIP Advances</i> , 2021 , 11, 015342	1.5	1
109	The impact of plaque type on strut embedment/protrusion and shear stress distribution in bioresorbable scaffold. <i>European Heart Journal Cardiovascular Imaging</i> , 2020 , 21, 454-462	4.1	5
108	Spatiotemporal remodeling of embryonic aortic arch: stress distribution, microstructure, and vascular growth in silico. <i>Biomechanics and Modeling in Mechanobiology</i> , 2020 , 19, 1897-1915	3.8	4
107	Infusion Jet Flow Control in Neonatal Double Lumen Cannulae. <i>Journal of Biomechanical Engineering</i> , 2020 , 142,	2.1	3
106	Endothelial shear stress and vascular remodeling in bioresorbable scaffold and metallic stent. <i>Atherosclerosis</i> , 2020 , 312, 79-89	3.1	
105	Patient-Specific Hemodynamics of New Coronary Artery Bypass Configurations. <i>Cardiovascular Engineering and Technology</i> , 2020 , 11, 663-678	2.2	1
104	Hemodynamics of neonatal double lumen cannula malposition. <i>Perfusion (United Kingdom)</i> , 2020 , 35, 306-315	1.9	4
103	Applications of Micro-CT in Cardiovascular Engineering and Bio-inspired Design 2020 , 171-181		
102	Microstructure of early embryonic aortic arch and its reversibility following mechanically altered hemodynamic load release. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020 , 318, H1208-H1218	5.2	8
101	Transitional fetal hemodynamics and gas exchange in premature postpartum adaptation: immediate vs. delayed cord clamping. <i>Maternal Health, Neonatology and Perinatology</i> , 2019 , 5, 5	3.4	1

(2016-2019)

100	Heart valve inspired and multi-stream aortic cannula: Novel designs for cardiopulmonary bypass improvement in neonates. <i>Artificial Organs</i> , 2019 , 43, E233-E248	2.6	3	
99	Thrust and Hydrodynamic Efficiency of the Bundled Flagella. <i>Micromachines</i> , 2019 , 10,	3.3	6	
98	Post-implantation shear stress assessment: an emerging tool for differentiation of bioresorbable scaffolds. <i>International Journal of Cardiovascular Imaging</i> , 2019 , 35, 409-418	2.5	4	
97	Patient-Specific Atrial Hemodynamics of a Double Lumen Neonatal Cannula in Correct Caval Position. <i>Artificial Organs</i> , 2018 , 42, 401-409	2.6	7	
96	In witro validation of a self-driving aortic-turbine venous-assist device for Fontan patients. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2018 , 156, 292-301.e7	1.5	7	
95	Effect of modified Blalock-Taussig shunt anastomosis angle and pulmonary artery diameter on pulmonary flow. <i>Anatolian Journal of Cardiology</i> , 2018 , 20, 2-8	0.8	4	
94	Asymmetry in Mechanosensitive Gene Expression during Aortic Arch Morphogenesis. <i>Scientific Reports</i> , 2018 , 8, 16948	4.9	8	
93	Real-World Variability in the Prediction of Intracranial Aneurysm Wall Shear Stress: The 2015 International Aneurysm CFD Challenge. <i>Cardiovascular Engineering and Technology</i> , 2018 , 9, 544-564	2.2	47	
92	Computational Pre-surgical Planning of Arterial Patch Reconstruction: Parametric Limits and In Vitro Validation. <i>Annals of Biomedical Engineering</i> , 2018 , 46, 1292-1308	4.7	10	
91	Increased Energy Loss Due to Twist and Offset Buckling of the Total Cavopulmonary Connection. Journal of Medical Devices, Transactions of the ASME, 2017, 11,	1.3	3	
90	Hemodynamics of patient-specific aorta-pulmonary shunt configurations. <i>Journal of Biomechanics</i> , 2017 , 50, 166-171	2.9	19	
89	Tetralogy of Fallot Surgical Repair: Shunt Configurations, Ductus Arteriosus and the Circle of Willis. <i>Cardiovascular Engineering and Technology</i> , 2017 , 8, 107-119	2.2	14	
88	Motile-Cilia-Mediated Flow Improves Sensitivity and Temporal Resolution of Olfactory Computations. <i>Current Biology</i> , 2017 , 27, 166-174	6.3	46	
87	Haemodynamic Recovery Properties of the Torsioned Testicular Artery Lumen. <i>Scientific Reports</i> , 2017 , 7, 15570	4.9	5	
86	Characterization of zebrafish larvae suction feeding flow using P IV and optical coherence tomography. <i>Experiments in Fluids</i> , 2016 , 57, 1	2.5	18	
85	Non-dimensional physics of pulsatile cardiovascular networks and energy efficiency. <i>Journal of the Royal Society Interface</i> , 2016 , 13, 20151019	4.1	7	
84	Mytilus galloprovincialis as a smart micro-pump. <i>Biology Open</i> , 2016 , 5, 1493-1499	2.2	3	
83	Time-Series Interactions of Gene Expression, Vascular Growth and Hemodynamics during Early Embryonic Arterial Development. <i>PLoS ONE</i> , 2016 , 11, e0161611	3.7	7	

82	Transition from fetal to neonatal circulation: Modeling the effect of umbilical cord clamping. Journal of Biomechanics, 2015 , 48, 1662-70	2.9	18
81	Experimental and computational investigation of the patient-specific abdominal aortic aneurysm pressure field. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2015 , 18, 981-992	2.1	21
80	Growth and hemodynamics after early embryonic aortic arch occlusion. <i>Biomechanics and Modeling in Mechanobiology</i> , 2015 , 14, 735-51	3.8	23
79	Computational Modeling of Neonatal Cardiopulmonary Bypass Hemodynamics With Full Circle of Willis Anatomy. <i>Artificial Organs</i> , 2015 , 39, E164-75	2.6	12
78	Noninvasive in vivo determination of residual strains and stresses. <i>Journal of Biomechanical Engineering</i> , 2015 , 137, 061011	2.1	3
77	The Computational Fluid Dynamics Rupture Challenge 2013Phase II: Variability of Hemodynamic Simulations in Two Intracranial Aneurysms. <i>Journal of Biomechanical Engineering</i> , 2015 , 137, 121008	2.1	61
76	Hemodynamic flow visualization of early embryonic great vessels using PIV. <i>Methods in Molecular Biology</i> , 2015 , 1189, 17-30	1.4	2
75	Left atrial ligation alters intracardiac flow patterns and the biomechanical landscape in the chick embryo. <i>Developmental Dynamics</i> , 2014 , 243, 652-62	2.9	29
74	Effects of intraluminal thrombus on patient-specific abdominal aortic aneurysm hemodynamics via stereoscopic particle image velocity and computational fluid dynamics modeling. <i>Journal of Biomechanical Engineering</i> , 2014 , 136, 031001	2.1	22
73	Investigating developmental cardiovascular biomechanics and the origins of congenital heart defects. <i>Frontiers in Physiology</i> , 2014 , 5, 408	4.6	27
72	Simultaneous real-time quantification of blood flow and vascular growth in the chick embryo using optical coherence tomography 2014 ,		3
71	Characterization of the vessel geometry, flow mechanics and wall shear stress in the great arteries of wildtype prenatal mouse. <i>PLoS ONE</i> , 2014 , 9, e86878	3.7	20
70	Fontan conversion templates: patient-specific hemodynamic performance of the lateral tunnel versus the intraatrial conduit with fenestration. <i>Pediatric Cardiology</i> , 2013 , 34, 1447-54	2.1	8
69	Quantitative Hemodynamic Evaluation in Children with Coarctation of Aorta: Phase Contrast Cardiovascular MRI versus Computational Fluid Dynamics. <i>Lecture Notes in Computer Science</i> , 2013 , 9-16	0.9	3
68	Time-resolved OCT-PIV: a new microscopic PIV technique for noninvasive depth-resolved pulsatile flow profile acquisition. <i>Experiments in Fluids</i> , 2013 , 54, 1	2.5	12
67	High-speed three-dimensional characterization of fluid flows induced by micro-objects in deep microchannels. <i>Biochip Journal</i> , 2013 , 7, 95-103	4	5
66	Characterization of neonatal aortic cannula jet flow regimes for improved cardiopulmonary bypass. Journal of Biomechanics, 2013 , 46, 362-72	2.9	23
65	Aortic outflow cannula tip design and orientation impacts cerebral perfusion during pediatric cardiopulmonary bypass procedures. <i>Annals of Biomedical Engineering</i> , 2013 , 41, 2588-602	4.7	21

(2011-2013)

64	Novel fenestration designs for controlled venous flow shunting in failing Fontans with systemic venous hypertension. <i>Artificial Organs</i> , 2013 , 37, 66-75	2.6	5
63	Computer modeling for the prediction of thoracic aortic stent graft collapse. <i>Journal of Vascular Surgery</i> , 2013 , 57, 1353-61	3.5	41
62	Presurgical evaluation of Fontan connection options for patients with apicocaval juxtaposition using computational fluid dynamics. <i>Artificial Organs</i> , 2013 , 37, E1-8	2.6	8
61	Variability of computational fluid dynamics solutions for pressure and flow in a giant aneurysm: the ASME 2012 Summer Bioengineering Conference CFD Challenge. <i>Journal of Biomechanical Engineering</i> , 2013 , 135, 021016	2.1	92
60	Total cavopulmonary connection in patients with apicocaval juxtaposition: optimal conduit route using preoperative angiogram and flow simulation. <i>European Journal of Cardio-thoracic Surgery</i> , 2013 , 44, e46-52	3	15
59	Critical transitions in early embryonic aortic arch patterning and hemodynamics. <i>PLoS ONE</i> , 2013 , 8, e60)2 ₃ 7 / 1	35
58	Visualization of flow structures in Fontan patients using 3-dimensional phase contrast magnetic resonance imaging. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2012 , 143, 1108-16	1.5	38
57	Computational hemodynamic optimization predicts dominant aortic arch selection is driven by embryonic outflow tract orientation in the chick embryo. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012 , 11, 1057-73	3.8	19
56	Mechanotransduction in embryonic vascular development. <i>Biomechanics and Modeling in Mechanobiology</i> , 2012 , 11, 1149-68	3.8	39
55	Cannulation strategy for aortic arch reconstruction using deep hypothermic circulatory arrest. <i>Annals of Thoracic Surgery</i> , 2012 , 94, 614-20	2.7	11
54	Pulsatile venous waveform quality in Fontan circulation-clinical implications, venous assists options and the future. <i>Anatolian Journal of Cardiology</i> , 2012 , 12, 420-6		5
53	Pulsatile venous waveform quality affects the conduit performance in functional and "failing" Fontan circulations. <i>Cardiology in the Young</i> , 2012 , 22, 251-62	1	8
52	Device Specific Aortic Outflow Cannula Jets Studied Using 2D PIV and High-Performance 3D CFD Simulation 2012 ,		1
51	Analysis of early embryonic great-vessel microcirculation in zebrafish using high-speed confocal P IV. <i>Biorheology</i> , 2011 , 48, 305-21	1.7	25
50	Pulmonary hepatic flow distribution in total cavopulmonary connections: extracardiac versus intracardiac. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 141, 207-14	1.5	45
49	Right ventricular outflow tract reconstruction with bicuspid valved polytetrafluoroethylene conduit. <i>Annals of Thoracic Surgery</i> , 2011 , 91, 1235-8; discussion 1239	2.7	27
48	Hemodynamics of the hepatic venous three-vessel confluences using particle image velocimetry. <i>Annals of Biomedical Engineering</i> , 2011 , 39, 2398-416	4.7	10
47	Cellular-level near-wall unsteadiness of high-hematocrit erythrocyte flow using confocal P IV. <i>Experiments in Fluids</i> , 2011 , 50, 887-904	2.5	29

46	Computer-Aided Patient-Specific Coronary Artery Graft Design Improvements Using CFD Coupled Shape Optimizer. <i>Cardiovascular Engineering and Technology</i> , 2011 , 2, 35-47	2.2	41
45	Bicuspid-valved PTFE conduit optimization for pediatric RVOT reconstruction 2011,		2
44	Interaction between alk1 and blood flow in the development of arteriovenous malformations. <i>Development (Cambridge)</i> , 2011 , 138, 1573-82	6.6	148
43	Mechanobiology and the microcirculation: cellular, nuclear and fluid mechanics. <i>Microcirculation</i> , 2010 , 17, 179-91	2.9	43
42	Optimization of inflow waveform phase-difference for minimized total cavopulmonary power loss. Journal of Biomechanical Engineering, 2010 , 132, 031012	2.1	21
41	In Vivo Hemodynamic Performance of Wild-Type vs. Mutant Zebrafish Embryos Using High-Speed Confocal Micro-PIV 2010 ,		1
40	Three-dimensional chemical profile manipulation using two-dimensional autonomous microfluidic control. <i>Journal of the American Chemical Society</i> , 2010 , 132, 1339-47	16.4	13
39	In vitro evaluation of right ventricular outflow tract reconstruction with bicuspid valved polytetrafluoroethylene conduit. <i>Artificial Organs</i> , 2010 , 34, 1010-6	2.6	12
38	Effect of Caval Waveform on Energy Dissipation of Failing Fontan Patients 2009,		2
37	Fontan hemodynamics: importance of pulmonary artery diameter. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2009 , 137, 560-4	1.5	82
36	Hemodynamic performance of stage-2 univentricular reconstruction: Glenn vs. hemi-Fontan templates. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 50-63	4.7	38
35	Hemodynamic energy dissipation in the cardiovascular system: generalized theoretical analysis on disease states. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 661-73	4.7	27
34	Aortic arch morphogenesis and flow modeling in the chick embryo. <i>Annals of Biomedical Engineering</i> , 2009 , 37, 1069-81	4.7	67
33	Pulsatile in vitro simulation of the pediatric univentricular circulation for evaluation of cardiopulmonary assist scenarios. <i>Artificial Organs</i> , 2009 , 33, 967-76	2.6	13
32	Mitral weba new concept for mitral valve repair: improved engineering design and in-vitro studies. Journal of Heart Valve Disease, 2009 , 18, 300-6		6
31	A new method for registration-based medical image interpolation. <i>IEEE Transactions on Medical Imaging</i> , 2008 , 27, 370-7	11.7	59
30	Quantitative analysis of extracardiac versus intraatrial Fontan anatomic geometries. <i>Annals of Thoracic Surgery</i> , 2008 , 85, 810-7	2.7	27
29	Neonatal aortic arch hemodynamics and perfusion during cardiopulmonary bypass. <i>Journal of Biomechanical Engineering</i> , 2008 , 130, 061012	2.1	39

(2005-2008)

The total cavopulmonary connection resistance: a significant impact on single ventricle hemodynamics at rest and exercise. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H2427-35	5.2	94
Functional analysis of Fontan energy dissipation. <i>Journal of Biomechanics</i> , 2008 , 41, 2246-52	2.9	57
Modified control grid interpolation for the volumetric reconstruction of fluid flows. <i>Experiments in Fluids</i> , 2008 , 45, 987-997	2.5	12
Patient-specific surgical planning and hemodynamic computational fluid dynamics optimization through free-form haptic anatomy editing tool (SURGEM). <i>Medical and Biological Engineering and Computing</i> , 2008 , 46, 1139-52	3.1	77
In vitro hemodynamic investigation of the embryonic aortic arch at late gestation. <i>Journal of Biomechanics</i> , 2008 , 41, 1697-706	2.9	18
Anatomically realistic patient-specific surgical planning of complex congenital heart defects using MRI and CFD. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , 2007 , 2007, 202-5		7
Progress in the CFD modeling of flow instabilities in anatomical total cavopulmonary connections. <i>Annals of Biomedical Engineering</i> , 2007 , 35, 1840-56	4.7	46
Nonlinear power loss during exercise in single-ventricle patients after the Fontan: insights from computational fluid dynamics. <i>Circulation</i> , 2007 , 116, I165-71	16.7	140
Introduction of a new optimized total cavopulmonary connection. <i>Annals of Thoracic Surgery</i> , 2007 , 83, 2182-90	2.7	85
Hepatic Venous Blood Flow Distribution in the Total Cavopulmonary Connection: Patient-Specific Anatomical Models 2007 ,		2
A Skeletalized Representation of the Total Cavopulmonary Connection 2007,		3
Abstract 2207: Significant Impact of the Total Cavopulmonary Connection Resistance on Cardiac Output and Exercise Performance in Single Ventricles. <i>Circulation</i> , 2007 , 116,	16.7	3
Abstract 2212: Computational Model of Exercise Effects on Fontan Hemodynamics Demonstrates Favorable Energetics In Extracardiac Fontans When Compared to Lateral Tunnel. <i>Circulation</i> , 2007 , 116,	16.7	1
Flow study of an extracardiac connection with persistent left superior vena cava. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2006 , 131, 785-91	1.5	60
3-D Stereo-particle image velocimetry in the total cavopulmonary connection. <i>Journal of Biomechanics</i> , 2006 , 39, S304	2.9	
Single-step stereolithography of complex anatomical models for optical flow measurements. Journal of Biomechanical Engineering, 2005 , 127, 204-7	2.1	43
In vitro flow analysis of a patient-specific intraatrial total cavopulmonary connection. <i>Annals of Thoracic Surgery</i> , 2005 , 79, 2094-102	2.7	59
Coupling pediatric ventricle assist devices to the Fontan circulation: simulations with a lumped-parameter model. <i>ASAIO Journal</i> , 2005 , 51, 618-28	3.6	61
	hemodynamics at rest and exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2427-35 Functional analysis of Fontan energy dissipation. Journal of Biomechanics, 2008, 41, 2246-52 Modified control grid interpolation for the volumetric reconstruction of fluid flows. Experiments in Fluids, 2008, 45, 987-997 Patient-specific surgical planning and hemodynamic computational fluid dynamics optimization through free-form haptic anatomy editing tool (SURGEM). Medical and Biological Engineering and Computing, 2008, 46, 1139-52 In vitro hemodynamic investigation of the embryonic aortic arch at late gestation. Journal of Biomechanics, 2008, 41, 1697-706 Anatomically realistic patient-specific surgical planning of complex congenital heart defects using MRI and CFD. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 2007-5 Progress in the CFD modeling of Flow instabilities in anatomical total cavopulmonary connections. Annals of Biomedical Engineering, 2007, 35, 1840-56 Nonlinear power loss during exercise in single-ventricle patients after the Fontan: insights from computational fluid dynamics. Circulation, 2007, 116, 1165-71 Introduction of a new optimized total cavopulmonary connection. Annals of Thoracic Surgery, 2007, 83, 2182-90 Hepatic Venous Blood Flow Distribution in the Total Cavopulmonary Connection: Patient-Specific Anatomical Models 2007, A Skeletalized Representation of the Total Cavopulmonary Connection Resistance on Cardiac Output and Exercise Performance in Single Ventricles. Circulation, 2007, 116, Flow study of an extracardiac connection with persistent left superior vena cava. Journal of Thoracic and Cardiovascular Surgery, 2006, 131, 785-91 3-D Stereo-particle image velocimetry in the total cavopulmonary connection. Journal of Biomechanics, 2006, 39, 5304 Single-step stereolithography of complex anatomical models for optical flow measurements. Journal of Biomechanics Surgery, 2005, 79, 2094-102 Coupling pe	hemodynamics at rest and exercise. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H2427-35 Functional analysis of Fontan energy dissipation. Journal of Biomechanics, 2008, 41, 2246-52 2.9 Modified control grid interpolation for the volumetric reconstruction of fluid flows. Experiments in Fluids, 2008, 45, 987-997 Patient-specific surgical planning and hemodynamic computational fluid dynamics optimization through free-form haptic anatomy editing tool (SURGEM). Medical and Biological Engineering and Computing, 2008, 46, 1139-52 In vitro hemodynamic investigation of the embryonic aortic arch at late gestation. Journal of Biomechanics, 2008, 41, 1697-706 Anatomically realistic patient-specific surgical planning of complex congenital heart defects using MRI and CFD. Annual International Conference of the IEEE Engineering in Medicine and Biology Society, 2007, 2007, 202-5 Progress in the CFD modeling of flow instabilities in anatomical total cavopulmonary connections. Annals of Biomedical Engineering, 2007, 35, 1840-56 Nonlinear power loss during exercise in single-ventricle patients after the Fontan: insights from computational fluid dynamics. Circulation, 2007, 116, 1165-71 Introduction of a new optimized total cavopulmonary connection. Annals of Thoracic Surgery, 2007, 83, 2182-90 Hepatic Venous Blood Flow Distribution in the Total Cavopulmonary Connection: Patient-Specific Anatomical Models 2007, Abstract 2207: Significant impact of the Total Cavopulmonary Connection 2007, Abstract 2212: Computational Model of Exercise Effects on Fontan Hemodynamics Demonstrates Favorable Energetics In Extracardiac Fontans When Compared to Lateral Tunnel. Circulation, 2007, 116, Flow study of an extracardiac connection with persistent left superior vena cava. Journal of Thoracic and Cardiovascular Surgery, 2006, 131, 785-91 3-D Stereo-particle image velocimetry in the total cavopulmonary connection. Journal of Biomechanics, 2006, 39, 5304 In vitro flow analysis of a patient-specific i

10	Physics-driven CFD modeling of complex anatomical cardiovascular flows-a TCPC case study. <i>Annals of Biomedical Engineering</i> , 2005 , 33, 284-300	4.7	97
9	Total cavopulmonary connection flow with functional left pulmonary artery stenosis: angioplasty and fenestration in vitro. <i>Circulation</i> , 2005 , 112, 3264-71	16.7	58
8	The effects of different mesh generation methods on computational fluid dynamic analysis and power loss assessment in total cavopulmonary connection. <i>Journal of Biomechanical Engineering</i> , 2004 , 126, 594-603	2.1	27
7	Three-dimensional velocity field reconstruction. <i>Journal of Biomechanical Engineering</i> , 2004 , 126, 727-3	52.1	21
6	Oscillating Couette flow for in vitro cell loading. <i>Journal of Biomechanics</i> , 2004 , 37, 939-42	2.9	8
5	Computed Synovial Fluid Flow in a Simple Knee Joint Model 2003 , 2085		2
4	A Review of Rotary Pressure-Gain Combustion Systems for Gas Turbine Applications 2003, 241		4
3	A Review of Rotary Pressure-Gain Combustion Systems for Gas Turbine Applications 2003 , 241 Two-Dimensional Flow and NOx Emissions in Deflagrative Internal Combustion Wave Rotor Configurations. <i>Journal of Engineering for Gas Turbines and Power</i> , 2003 , 125, 720-733	1.7	7
•	Two-Dimensional Flow and NOx Emissions in Deflagrative Internal Combustion Wave Rotor	1.7	·