

Cristina H Amon

List of Publications by Year in descending order

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148
papers

4,465
citations

109321

35
h-index

114465

63
g-index

151
all docs

151
docs citations

151
times ranked

4405
citing authors

#	ARTICLE	IF	CITATIONS
1	A modeling framework for computational simulations of thoracic endovascular aortic repair. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2023, 39, e3578.	2.1	8
2	Ascending aortic aneurysm haemodynamics are associated with aortic wall biomechanical properties. <i>European Journal of Cardio-thoracic Surgery</i> , 2022, 61, 367-375.	1.4	7
3	Thermal Characterization Approach for <i>In Situ</i> Estimation of Thermophysical Properties of Magnetic Components of Electric Vehicle Fast Chargers. <i>IEEE Transactions on Power Electronics</i> , 2022, 37, 10761-10774.	7.9	2
4	Cell Inertia: Predicting Cell Distributions in Lung Vasculature to Optimize Re-endothelialization. <i>Frontiers in Bioengineering and Biotechnology</i> , 2022, 10, 891407.	4.1	2
5	Miniature Liquid Cold-plate Enabled by Metal Spraying: A Thermal Management Solution for a Modular 1 kW Bi-directional GaN-based dc-ac Converter. , 2022, , .		6
6	The surface expression of hydrocarbon seeps characterized by satellite image spectral analysis and rock magnetic data (Falcon basin, western Venezuela). <i>Journal of South American Earth Sciences</i> , 2021, 106, 103036.	1.4	6
7	A methodology to characterize a sanitary landfill combining, through a numerical approach, a geoelectrical survey with methane point-source concentrations. <i>Environmental Technology and Innovation</i> , 2021, 21, 101225.	6.1	5
8	Predicting specific heat capacity and directional thermal conductivities of cylindrical lithium-ion batteries: A combined experimental and simulation framework. <i>Applied Thermal Engineering</i> , 2021, 182, 116075.	6.0	32
9	Computational fluid dynamics for enhanced tracheal bioreactor design and long-segment graft recellularization. <i>Scientific Reports</i> , 2021, 11, 1187.	3.3	15
10	The Effect of Geometric and Hemodynamic Parameters on Blood Flow Efficiency in Repaired Tetralogy of Fallot Patients. <i>Annals of Biomedical Engineering</i> , 2021, 49, 2297-2310.	2.5	7
11	Vessel network extraction and analysis of mouse pulmonary vasculature via X-ray micro-computed tomographic imaging. <i>PLoS Computational Biology</i> , 2021, 17, e1008930.	3.2	6
12	Optimizing wind farms layouts for maximum energy production using probabilistic inference: Benchmarking reveals superior computational efficiency and scalability. <i>Energy</i> , 2021, 223, 120035.	8.8	7
13	Predicting anisotropic thermophysical properties and spatially distributed heat generation rates in pouch lithium-ion batteries. <i>Journal of Power Sources</i> , 2021, 510, 230362.	7.8	8
14	Multiphysics Optimization of Thermal Management Designs for Power Electronics Employing Impingement Cooling and Stereolithographic Printing. <i>IEEE Transactions on Power Electronics</i> , 2021, 36, 12769-12780.	7.9	8
15	Calibration of an Electrical Analog Model of Liver Hemodynamics in Fontan Patients. <i>Journal of Biomechanical Engineering</i> , 2021, 143, .	1.3	2
16	Modeling degradation of lithium-ion batteries considering cell-to-cell variations. <i>Journal of Energy Storage</i> , 2021, 44, 103478.	8.1	8
17	Commentary: Engineering an optimal mechanical circulatory support system for the cavopulmonary connection. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 159, e143-e144.	0.8	1
18	Optimal design of wind farms in complex terrains using computational fluid dynamics and adjoint methods. <i>Applied Energy</i> , 2020, 261, 114426.	10.1	31

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19	Automatic Voltage Distortion Compensation for Improved State Estimation Accuracy in Battery Management Systems with Continuous Cell Balancing. , 2020, , .		0
20	Distributed Control of Active Cell Balancing and Low-Voltage Bus Regulation in Electric Vehicles Using Hierarchical Model-Predictive Control. IEEE Transactions on Industrial Electronics, 2020, 67, 10464-10473.	7.9	16
21	Highly tunable thermal conductivity of C3N under tensile strain: A first-principles study. Journal of Applied Physics, 2020, 127, 184304.	2.5	16
22	Cardiovascular and abdominal flow alterations in adults with morphologic evidence of liver disease post Fontan palliation. International Journal of Cardiology, 2020, 317, 63-69.	1.7	3
23	Optimization of porous stents for endovascular repair of abdominal aortic aneurysms. International Journal for Numerical Methods in Biomedical Engineering, 2020, 36, e3336.	2.1	1
24	Patient-Specific Computational Fluid Dynamics Simulations Before and After Fenestrated Endovascular Aneurysm Repair. Journal of Vascular Surgery, 2020, 72, e263.	1.1	0
25	Challenges in data-based degradation models for lithium-ion batteries. International Journal of Energy Research, 2020, 44, 3954-3975.	4.5	14
26	Electro-Thermal Codesign Methodology of an On-Board Electric Vehicle Charger. Journal of Electronic Packaging, Transactions of the ASME, 2020, 142, .	1.8	4
27	A Thermal Management Design Methodology for Advanced Power Electronics Utilizing Genetic Optimization and Additive Manufacturing Techniques. , 2020, , .		4
28	De-epithelialization of porcine tracheal allografts as an approach for tracheal tissue engineering. Scientific Reports, 2019, 9, 12034.	3.3	31
29	Impact of Insertion Technique and Iliac Artery Anatomy on Fenestrated Endovascular Aneurysm Repair. Journal of Endovascular Therapy, 2019, 26, 797-804.	1.5	6
30	Comparison of Qualitative and Quantitative Assessments of Iliac Artery Tortuosity and Calcification. Vascular and Endovascular Surgery, 2019, 53, 464-469.	0.7	3
31	Phonon thermal transport in α - Si_3N_4		

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37	A Methodology to Assess Subregional Geometric Complexity for Tetralogy of Fallot Patients. Journal of Engineering and Science in Medical Diagnostics and Therapy, 2019, 2, .	0.5	3
38	Effects of Cooling Architecture and PCB Layout Co-Design on the Concurrent Thermal and Electrical Performance of an On-Board Electric Vehicle Charger. , 2019, , .		2
39	Analysis and Modifications of Turbulence Models for Wind Turbine Wake Simulations in Atmospheric Boundary Layers. Journal of Solar Energy Engineering, Transactions of the ASME, 2018, 140, .	1.8	17
40	Analysis of Iliac Artery Geometric Properties in Fenestrated Aortic Stent Graft Rotation. Vascular and Endovascular Surgery, 2018, 52, 188-194.	0.7	12
41	Prediction of advanced endovascular stent graft rotation and its associated morbidity and mortality. Journal of Vascular Surgery, 2018, 68, 348-355.	1.1	13
42	A novel wake model for wind farm design on complex terrains. Journal of Wind Engineering and Industrial Aerodynamics, 2018, 174, 94-102.	3.9	19
43	SiC based on-board EV power-hub with high-efficiency DC transfer mode through AC port for vehicle-to-vehicle charging. , 2018, , .		22
44	Constrained multi-objective wind farm layout optimization: Novel constraint handling approach based on constraint programming. Renewable Energy, 2018, 126, 341-353.	8.9	35
45	Structural implications of fenestrated stent graft misalignment. Journal of the Royal College of Surgeons of Edinburgh, 2018, 16, 89-93.	1.8	9
46	Effects of biaxial tensile strain on the first-principles-driven thermal conductivity of buckled arsenene and phosphorene. Physical Chemistry Chemical Physics, 2018, 20, 27611-27620.	2.8	30
47	The Influence of Surgical Technique on Device Rotation and Fenestration Alignment in Advanced Endovascular Aneurysm Repair. Journal of Vascular Surgery, 2018, 68, e71.	1.1	1
48	PC032. Fenestrated Stent Graft Planning: Can We Do Better?. Journal of Vascular Surgery, 2018, 67, e182.	1.1	0
49	IP047. Effect of Insertion Technique and Iliac Artery Torsion on Device Rotation in Fenestrated Endovascular Aneurysm Repair. Journal of Vascular Surgery, 2018, 67, e102.	1.1	1
50	Thermal Management Strategies for a High-Frequency, Bi-Directional, On-Board Electric Vehicle Charger. , 2018, , .		10
51	Thermal Management Within Multi-Disciplinary System Design of a Rubikâ€™s-Cube-sized 2kW Power Inverter. , 2018, , .		4
52	Continuous adjoint formulation for wind farm layout optimization: A 2D implementation. Applied Energy, 2018, 228, 2333-2345.	10.1	28
53	Celebration of Professor Adrian Bejan on his 70th birthday. International Journal of Heat and Mass Transfer, 2018, 126, 1377-1378.	4.8	1
54	First-principles phonon thermal transport in graphene: Effects of exchange-correlation and type of pseudopotential. Journal of Applied Physics, 2018, 123, 215105.	2.5	29

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55	Predicting Rotation in Fenestrated Endovascular Aneurysm Repair Using Finite Element Analysis. Journal of Biomechanical Engineering, 2018, 140, .	1.3	15
56	Computational Fluid Dynamics Simulations Of Flow In The Renal Arteries After Stent Graft Implantation. , 2018, , .		0
57	Gradient-based multidisciplinary design of wind farms with continuous-variable formulations. Applied Energy, 2017, 197, 279-291.	10.1	35
58	Combinatorial screening of 3D biomaterial properties that promote myofibrogenesis for mesenchymal stromal cell-based heart valve tissue engineering. Acta Biomaterialia, 2017, 58, 34-43.	8.3	24
59	Computational Simulations to Predict Fenestrated Stent Graft Rotation on Deployment. Journal of Vascular Surgery, 2017, 66, e82.	1.1	2
60	IPO59. Iliac Artery Torsion and Calcification Predicts Endovascular Device Rotation and Poor Patient Outcomes in Advanced EVAR. Journal of Vascular Surgery, 2017, 65, 72S-73S.	1.1	0
61	PC040 Analysis of Fenestrated Endovascular Aneurysm Repair Complication Frequency With Respect to Stent Graft Misalignment. Journal of Vascular Surgery, 2017, 65, 150S.	1.1	1
62	PC226 Predicting Stent Graft Rotation in Patient-Specific Abdominal Aortic Aneurysm Repair Using Computational Models. Journal of Vascular Surgery, 2017, 65, 200S.	1.1	1
63	Predicting phonon thermal transport in strained two-dimensional materials: Graphene, boron nitride, and molybdenum disulfide. , 2017, , .		0
64	Iliac Artery Torsion and Calcification Predict Endovascular Device Rotation and Severe Perioperative Complications in Advanced Endovascular Aneurysm Repair. Journal of Vascular Surgery, 2017, 66, e70-e71.	1.1	0
65	Development of a Semiautomated Fenestrated Endovascular Aneurysm Repair Planning Technique. Journal of Vascular Surgery, 2017, 66, e83.	1.1	0
66	Arm elevation during computed tomography does not significantly alter abdominal aortic aneurysm anatomy. Diagnostic and Interventional Imaging, 2017, 98, 279-282.	3.2	2
67	Understanding the Influence of Turbine Geometry and Atmospheric Turbulence on Wind Turbine Wakes. , 2016, , .		0
68	Analysis and Modifications of Turbulence Models for Wind Turbine Wake Simulations in Atmospheric Boundary Layers. , 2016, , .		3
69	Efficient Wind Turbine Micrositing in Large-Scale Wind Farms. , 2016, , .		3
70	Predicting Iliac Artery Deformation in Response to Guidewire Insertion Using Computational Simulations. Journal of Vascular Surgery, 2016, 64, 1546.	1.1	2
71	Understanding and Predicting Endovascular Device Rotation. Journal of Vascular Surgery, 2016, 64, 1547.	1.1	1
72	Clinical outcomes and material properties of in situ fenestration of endovascular stent grafts. Journal of Vascular Surgery, 2016, 64, 244-250.	1.1	63

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73	Toward efficient optimization of wind farm layouts: Utilizing exact gradient information. Applied Energy, 2016, 179, 110-123.	10.1	69
74	Coherent phonon transport in short-period two-dimensional superlattices of graphene and boron nitride. Physical Review B, 2016, 93, .	3.2	33
75	Promoting Suitable Hemodynamic Conditions for Thrombus Formation in Abdominal Aortic Aneurysms With Multilayer Stents. , 2016, , .		1
76	Thermal and electrical co-design of a modular high-density single-phase inverter using wide-bandgap devices. , 2016, , .		9
77	Wind farm layout optimization on complex terrains “ Integrating a CFD wake model with mixed-integer programming. Applied Energy, 2016, 178, 404-414.	10.1	84
78	The impact of land use constraints in multi-objective energy-noise wind farm layout optimization. Renewable Energy, 2016, 85, 359-370.	8.9	69
79	Prediction of Thermal Conductivity of Two-Dimensional Superlattices of Graphene and Boron Nitride by Equilibrium Molecular Dynamics. , 2015, , .		3
80	Error Metrics and the Sequential Refinement of Kriging Metamodels. Journal of Mechanical Design, Transactions of the ASME, 2015, 137, .	2.9	13
81	Constrained Multi-Objective Wind Farm Layout Optimization: Introducing a Novel Constraint Handling Approach Based on Constraint Programming. , 2015, , .		0
82	Predicting Phonon Thermal Transport in Two-Dimensional Graphene-Boron Nitride Superlattices at the Short-Period Limit. , 2015, , .		1
83	Wind Farm Layout Optimization in Complex Terrains Using Computational Fluid Dynamics. , 2015, , .		2
84	COMPUTATIONAL FLUID DYNAMICS MODELS OF HEALTHY AND FAILING FONTAN CIRCULATIONS. Canadian Journal of Cardiology, 2015, 31, S307-S308.	1.7	0
85	The Prediction of the Thermal Conductivity of Gallium Arsenide: A Molecular Dynamics Study. , 2015, , .		1
86	Comparison of Quantitative Analysis and Qualitative Assessment of Iliac Artery Tortuosity. Journal of Vascular Surgery, 2015, 62, 1377-1378.	1.1	0
87	A mechanistic semi-empirical wake interaction model for wind farm layout optimization. Energy, 2015, 93, 2157-2165.	8.8	46
88	Comparison and Evaluation of Spectral Energy Methods for Predicting Phonon Properties. Journal of Computational and Theoretical Nanoscience, 2014, 11, 249-256.	0.4	91
89	Multi-Objective Wind Farm Layout Optimization Considering Energy Generation and Noise Propagation With NSGA-II. Journal of Mechanical Design, Transactions of the ASME, 2014, 136, .	2.9	30
90	A new mathematical programming approach to optimize wind farm layouts. Renewable Energy, 2014, 63, 674-680.	8.9	153

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91	Effect of porosity heterogeneity on the permeability and tortuosity of gas diffusion layers in polymer electrolyte membrane fuel cells. <i>Journal of Power Sources</i> , 2014, 248, 83-90.	7.8	71
92	Solving wind farm layout optimization with mixed integer programs and constraint programs. <i>EURO Journal on Computational Optimization</i> , 2014, 2, 195-219.	2.4	45
93	A Novel Wake Interaction Model for Wind Farm Layout Optimization. , 2014, , .		5
94	Predicting Phonon Transport in Two-Dimensional Boron Nitride-Graphene Superlattices. , 2014, , .		0
95	A Multilevel Optimization Method for the Design and Operation of Stand-Alone Hybrid Renewable Energy Systems for Multiple Remote Communities. , 2014, , .		1
96	Hydrodynamic Boundary Condition at Open-Porous Interface: A Pore-Level Lattice Boltzmann Study. <i>Transport in Porous Media</i> , 2013, 96, 83-95.	2.6	13
97	Broadband phonon mean free path contributions to thermal conductivity measured using frequency domain thermoreflectance. <i>Nature Communications</i> , 2013, 4, 1640.	12.8	479
98	Disruption of superlattice phonons by interfacial mixing. <i>Physical Review B</i> , 2013, 88, .	3.2	50
99	Assessment of the Holland model for silicon phonon-phonon relaxation times using lattice dynamics calculations. <i>Journal of Applied Physics</i> , 2013, 113, .	2.5	9
100	A Hierarchical Framework for Thermal Modelling of Electronic Devices: From Atoms to Chips. , 2013, , .		0
101	Solving Wind Farm Layout Optimization with Mixed Integer Programming and Constraint Programming. <i>Lecture Notes in Computer Science</i> , 2013, , 284-299.	1.3	8
102	Computational Fluid Dynamics Evaluation of the Cross-Limb Stent Graft Configuration for Endovascular Aneurysm Repair. <i>Journal of Biomechanical Engineering</i> , 2012, 134, 121002.	1.3	25
103	Wind Farm Layout Optimization Considering Energy Generation and Noise Propagation. , 2012, , .		24
104	Analysis of Fluid Flow in Porous Media Using the Lattice Boltzmann Method: Inertial Flow Regime. , 2012, , .		0
105	Multiresponse Metamodeling in Simulation-Based Design Applications. <i>Journal of Mechanical Design, Transactions of the ASME</i> , 2012, 134, .	2.9	13
106	Assessment of the Hydrodynamic Boundary Condition at Open-Porous Interface Using Pore-Level Flow Simulations. , 2012, , .		0
107	A Transient Modified Fourier-Based Approach for Thermal Transport Modelling in Sub-Continuum Regime. , 2012, , .		0
108	Size-dependent model for thin film and nanowire thermal conductivity. <i>Applied Physics Letters</i> , 2011, 99, .	3.3	126

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109	Phonon-Mediated Thermal Conductivity in Ionic Solids by Lattice Dynamics-Based Methods. Journal of the American Ceramic Society, 2011, 94, 3523-3531.	3.8	24
110	Bioprinting of growth factors onto aligned sub-micron fibrous scaffolds for simultaneous control of cell differentiation and alignment. Biomaterials, 2011, 32, 8097-8107.	11.4	179
111	On the lattice Boltzmann method for phonon transport. Journal of Computational Physics, 2011, 230, 5864-5876.	3.8	106
112	Hierarchical Modeling of Heat Transfer in Silicon-Based Electronic Devices. Journal of Heat Transfer, 2010, 132, .	2.1	10
113	A mechanistic model of critical heat flux under subcooled flow boiling conditions for application to one- and three-dimensional computer codes. Nuclear Engineering and Design, 2010, 240, 235-244.	1.7	18
114	Two-phase flow regimes and mechanisms of critical heat flux under subcooled flow boiling conditions. Nuclear Engineering and Design, 2010, 240, 245-251.	1.7	27
115	A novel method for modeling Neumann and Robin boundary conditions in smoothed particle hydrodynamics. Computer Physics Communications, 2010, 181, 2008-2023.	7.5	42
116	Thermal Properties for Bulk Silicon Based on the Determination of Relaxation Times Using Molecular Dynamics. Journal of Heat Transfer, 2010, 132, .	2.1	43
117	Predicting phonon dispersion relations and lifetimes from the spectral energy density. Physical Review B, 2010, 81, .	3.2	285
118	Molecular dynamics simulations of oblique phonon scattering at semiconductor interfaces. , 2010, , .		0
119	Three-Dimensional Geometrical Characterization of Abdominal Aortic Aneurysms: Image-Based Wall Thickness Distribution. Journal of Biomechanical Engineering, 2009, 131, 061015.	1.3	91
120	Dry Spinning Based Spinneret Based Tunable Engineered Parameters (STEP) Technique for Controlled and Aligned Deposition of Polymeric Nanofibers. Macromolecular Rapid Communications, 2009, 30, 1406-1412.	3.9	81
121	Control of Cell Behavior by Aligned Micro/Nanofibrous Biomaterial Scaffolds Fabricated by Spinneret-Based Tunable Engineered Parameters (STEP) Technique. Small, 2008, 4, 1153-1159.	10.0	67
122	Dry spinning polymeric nano/microfiber arrays using glass micropipettes with controlled porosities and fiber diameters. , 2007, , .		0
123	Microrobotically Fabricated Biological Scaffolds for Tissue Engineering. , 2007, , .		1
124	Micro-electro-mechanical systems (MEMS)-based micro-scale direct methanol fuel cell development. Energy, 2006, 31, 636-649.	8.8	129
125	Multi-length and time scale thermal transport using the lattice Boltzmann method with application to electronics cooling. International Journal of Heat and Mass Transfer, 2006, 49, 97-107.	4.8	108
126	Modeling of nanoscale transport phenomena: Application to information technology. Physica A: Statistical Mechanics and Its Applications, 2006, 362, 36-41.	2.6	10

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127	Boltzmann transport equation-based thermal modeling approaches for hotspots in microelectronics. <i>Heat and Mass Transfer</i> , 2006, 42, 478-491.	2.1	62
128	Drawing suspended polymer micro-/nanofibers using glass micropipettes. <i>Applied Physics Letters</i> , 2006, 89, 183105.	3.3	149
129	Attributes of a derived differential/difference energy equation within the platform of the Li _z ^{1/2} v _i ^{1/2} que problem. <i>Heat and Mass Transfer</i> , 2005, 41, 577-582.	2.1	1
130	Remarkable improvement of the Li _z ^{1/2} v _i ^{1/2} que solution for isoflux heating with a combination of the transversal method of lines (TMOL) and a computer-extended Fr _A ¹ benius power series. <i>International Journal of Heat and Mass Transfer</i> , 2005, 48, 2110-2116.	4.8	4
131	A novel heat transfer model and its application to information storage systems. <i>Journal of Applied Physics</i> , 2005, 97, 10P703.	2.5	43
132	Bayesian Surrogates Applied to Conceptual Stages of the Engineering Design Process. <i>Journal of Mechanical Design</i> , <i>Transactions of the ASME</i> , 2003, 125, 664-672.	2.9	55
133	Flow-induced Wall Shear Stress in Abdominal Aortic Aneurysms: Part I - Steady Flow Hemodynamics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2002, 5, 309-318.	1.6	46
134	Flow-induced Wall Shear Stress in Abdominal Aortic Aneurysms: Part II - Pulsatile Flow Hemodynamics. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2002, 5, 319-328.	1.6	31
135	MEMS-enabled thermal management of high-heat-flux devices EDIFICE: embedded droplet impingement for integrated cooling of electronics. <i>Experimental Thermal and Fluid Science</i> , 2001, 25, 231-242.	2.7	109
136	Blood Flow in Abdominal Aortic Aneurysms: Pulsatile Flow Hemodynamics. <i>Journal of Biomechanical Engineering</i> , 2001, 123, 474-484.	1.3	104
137	Flow and Oxygen Transfer Characteristics of an Intravenous Membrane Oxygenator: A Computational Study. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2000, 3, 147-166.	1.6	3
138	A simple way to determine the two asymptotic Nusselt number expressions for in-tube, laminar forced convective flows employing the method of lines. <i>Computer Applications in Engineering Education</i> , 1998, 6, 79-87.	3.4	3
139	Systematic Design of a First-Year Mechanical Engineering Course at Carnegie Mellon University. <i>Journal of Engineering Education</i> , 1997, 86, 173-181.	3.0	54
140	Integrating Design Education, Research and Practice at Carnegie Mellon: A Multi-disciplinary Course in Wearable Computers. <i>Journal of Engineering Education</i> , 1996, 85, 279-285.	3.0	16
141	An engineering design methodology with multistage Bayesian surrogates and optimal sampling. <i>Research in Engineering Design - Theory, Applications, and Concurrent Engineering</i> , 1996, 8, 189-206.	2.1	122
142	Spectra Element-Fourier Method for Transitional Flows in Complex Geometries. <i>AIAA Journal</i> , 1993, 31, 42-48.	2.6	36
143	SPECTRAL ELEMENT SIMULATIONS OF UNSTEADY FORCED CONVECTIVE HEAT TRANSFER: APPLICATION TO COMPACT HEAT EXCHANGER GEOMETRIES. <i>Numerical Heat Transfer; Part A: Applications</i> , 1991, 19, 1-19.	2.1	42
144	Numerical prediction of convective heat transfer in self-sustained oscillatory flows. <i>Journal of Thermophysics and Heat Transfer</i> , 1990, 4, 239-246.	1.6	60

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145	Numerical calculation of stable three-dimensional tertiary states in grooved channel flow. <i>Physics of Fluids A, Fluid Dynamics</i> , 1989, 1, 2005-2009.	1.6	48
146	Multiscale Cell-To-Vehicle Electro-Thermal Hierarchical Model For An Intelligent Electric Vehicle Thermal Management System. , 0, , .		0
147	THERMAL BEHAVIOR OF LITHIUM-ION BATTERIES: AGING, HEAT GENERATION, THERMAL MANAGEMENT AND FAILURE. <i>Frontiers in Heat and Mass Transfer</i> , 0, 14, .	0.2	20
148	Battery Health Diagnosis Approach Integrating Physics-based Modelling with Electrochemical Impedance Spectroscopy. <i>Energy Technology</i> , 0, , .	3.8	1