

Joris Degroote

List of Publications by Year in descending order

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148
papers

3,358
citations

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times ranked

2914
citing authors

#	ARTICLE	IF	CITATIONS
1	A Novel Iterative Penalty Method to Enforce Boundary Conditions in Finite Volume POD-Galerkin Reduced Order Models for Fluid Dynamics Problems. <i>Communications in Computational Physics</i> , 2022, 30, 34-66.	0.7	4
2	Surrogate-based acceleration of quasi-Newton techniques for fluid-structure interaction simulations. <i>Computers and Structures</i> , 2022, 260, 106720.	2.4	5
3	Investigating the influence of compressibility on the second mode flutter instability of a clamped-free cylinder in axial flow using fluid-structure interaction simulations with the Chimera technique. <i>Journal of Fluids and Structures</i> , 2022, 109, 103469.	1.5	1
4	A multi-stage approach of simulating turbulence-induced vibrations in a wire-wrapped tube bundle for fretting wear prediction. <i>Journal of Fluids and Structures</i> , 2022, 109, 103460.	1.5	10
5	A POD-Galerkin reduced order model of a turbulent convective buoyant flow of sodium over a backward-facing step. <i>Applied Mathematical Modelling</i> , 2021, 89, 486-503.	2.2	17
6	Towards simulation of force and velocity fluctuations due to turbulence in the relay nozzle jet of an air jet loom. <i>Textile Reseach Journal</i> , 2021, 91, 990-1008.	1.1	3
7	Monolithic and partitioned approaches to determine static deformation of membrane structures due to ponding. <i>Computers and Structures</i> , 2021, 244, 106419.	2.4	5
8	Secant Update generalized version of PSB: a new approach. <i>Computational Optimization and Applications</i> , 2021, 78, 953-982.	0.9	7
9	Reduced order models for the incompressible Navier-Stokes equations on collocated grids using a "discretize-then-project" approach. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2694-2722.	0.9	4
10	An efficient quasi-Newton method for three-dimensional steady free surface flow. <i>International Journal for Numerical Methods in Fluids</i> , 2021, 93, 2581-2610.	0.9	4
11	ESLA: a new surrogate-assisted single-loop reliability-based design optimization technique. <i>Structural and Multidisciplinary Optimization</i> , 2021, 63, 2653-2671.	1.7	7
12	Development of a coupling between a system thermal-hydraulic code and a reduced order CFD model. <i>Annals of Nuclear Energy</i> , 2021, 153, 108056.	0.9	7
13	Surrogate-Assisted Parametric Study of a Wing Fences for Unmanned Aerial Vehicles. <i>Journal of Aircraft</i> , 2021, 58, 562-579.	1.7	2
14	Effect of a new synthetic bubble model on forces in simulations of two-phase flows in tube bundles. <i>European Journal of Mechanics, B/Fluids</i> , 2021, 90, 49-62.	1.2	2
15	Typhoon: A vortex-lattice code for assessing dynamic stability characteristics of hydrofoil crafts. <i>International Shipbuilding Progress</i> , 2021, 68, 61-78.	0.3	0
16	Three-dimensional fluid-structure interaction simulations of a yarn subjected to the main nozzle flow of an air-jet weaving loom using a Chimera technique. <i>Textile Reseach Journal</i> , 2020, 90, 194-212.	1.1	6
17	Multi-objective optimization of a wing fence on an unmanned aerial vehicle using surrogate-derived gradients. <i>Structural and Multidisciplinary Optimization</i> , 2020, 61, 353-364.	1.7	10
18	Secant update version of quasi-Newton PSB with weighted multiseant equations. <i>Computational Optimization and Applications</i> , 2020, 75, 441-466.	0.9	5

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19	Mean pressure coefficient distributions over hyperbolic paraboloid roof and canopy structures with different shape parameters in a uniform flow with very small turbulence. <i>Engineering Structures</i> , 2020, 205, 110043.	2.6	21
20	Fluid-structure interaction of a 7-rods bundle: Benchmarking numerical simulations with experimental data. <i>Nuclear Engineering and Design</i> , 2020, 356, 110394.	0.8	13
21	A study of the vibration of a horizontal U-bend subjected to an internal upwards flowing air-water mixture. <i>Journal of Fluids and Structures</i> , 2020, 93, 102883.	1.5	5
22	Effect of rotor-tower interaction, tilt angle, and yaw misalignment on the aeroelasticity of a large horizontal axis wind turbine with composite blades. <i>Wind Energy</i> , 2020, 23, 1578-1595.	1.9	17
23	An efficient quasi-Newton method for two-dimensional steady free surface flow. <i>International Journal for Numerical Methods in Fluids</i> , 2020, 92, 785-801.	0.9	6
24	Fluid-Structure Interaction Simulations of a Wind Gust Impacting on the Blades of a Large Horizontal Axis Wind Turbine. <i>Energies</i> , 2020, 13, 509.	1.6	19
25	Development of an adaptive infill criterion for constrained multi-objective asynchronous surrogate-based optimization. <i>Journal of Global Optimization</i> , 2020, 78, 137-160.	1.1	9
26	Mixed impact of torsion on LV hemodynamics: A CFD study based on the Chimera technique. <i>Computers in Biology and Medicine</i> , 2019, 112, 103363.	3.9	4
27	Vibrations in a 7-rod bundle subject to axial flow: Simulations and experiments. <i>Nuclear Engineering and Design</i> , 2019, 353, 110227.	0.8	12
28	Development of an iterative procedure with a flow solver for optimizing the yarn speed in a main nozzle of an air jet loom. <i>Journal of the Textile Institute</i> , 2019, 110, 859-872.	1.0	1
29	POD-identification reduced order model of linear transport equations for control purposes. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 90, 375-388.	0.9	3
30	Dynamic load and stress analysis of a large horizontal axis wind turbine using full scale fluid-structure interaction simulation. <i>Renewable Energy</i> , 2019, 140, 212-226.	4.3	42
31	Comparative Study of Transition Models for High-Angle-of-Attack Behavior. <i>AIAA Journal</i> , 2019, 57, 2356-2371.	1.5	12
32	Numerical Investigation of the Effect of Tower Dam and Rotor Misalignment on Performance and Loads of a Large Wind Turbine in the Atmospheric Boundary Layer. <i>Energies</i> , 2019, 12, 1208.	1.6	0
33	Prototyping of thin shell wind tunnel models to facilitate experimental wind load analysis on curved canopy structures. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2019, 188, 308-322.	1.7	11
34	Study of the importance of non-uniform mass density in numerical simulations of fire spread over MDF panels in a corner configuration. <i>Combustion and Flame</i> , 2019, 200, 303-315.	2.8	27
35	Analysis of several subcycling schemes in partitioned simulations of a strongly coupled fluid-structure interaction. <i>International Journal for Numerical Methods in Fluids</i> , 2019, 89, 181-195.	0.9	6
36	Toward three-dimensional modeling of the interaction between the air flow and a clamped-free yarn inside the main nozzle of an air jet loom. <i>Textile Research Journal</i> , 2019, 89, 914-925.	1.1	10

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37	Numerical Investigation of Pressure Fluctuations and Vibrations for Upward Two-Phase Flow in a Pipe. , 2019, , .		0
38	Numerical investigation of large-scale vortices in an array of cylinders in axial flow. Journal of Fluids and Structures, 2018, 78, 277-298.	1.5	6
39	A Comparison of Different Quasi-Newton Acceleration Methods for Partitioned Multi-Physics Codes. , 2018, , 135-152.		0
40	Stability analysis of a partitioned iterative method for steady free surface flow. Journal of Computational Physics, 2018, 354, 387-392.	1.9	2
41	Simulation of air flowâ€™yarn interaction inside the main nozzle of an air jet loom. Textile Reseach Journal, 2018, 88, 1173-1183.	1.1	11
42	Experimental study of corner firesâ€™Part II: Flame spread over MDF panels. Combustion and Flame, 2018, 189, 491-505.	2.8	16
43	Experimental study of corner firesâ€™Part I: Inert panel tests. Combustion and Flame, 2018, 189, 472-490.	2.8	22
44	On the study of transitional low-Reynolds number flows over airfoils operating at high angles of attack and their prediction using transitional turbulence models. Progress in Aerospace Sciences, 2018, 103, 52-68.	6.3	21
45	Fluid-Structure Interaction Simulations of Flexible Cylinders in Confined Axial Flow. , 2018, , .		1
46	Numerical Study of the Amplitude and the Convection Speed of Periodic Large-Scale Vortices in a Square Array of Cylinders Subjected to Axial Flow. , 2018, , .		0
47	High-fidelity finite element models of composite wind turbine blades with shell and solid elements. Composite Structures, 2018, 200, 521-531.	3.1	23
48	Comparison of Shell and Solid Finite Element Models for the Static Certification Tests of a 43 m Wind Turbine Blade. Energies, 2018, 11, 1346.	1.6	27
49	Accelerating Existing Non-Blind Image Deblurring Techniques through a Strap-On Limited-Memory Switched Broyden Method. IEICE Transactions on Information and Systems, 2018, E101.D, 1288-1295.	0.4	1
50	Numerical prediction and experimental analysis of ends-together yarn splicing. Textile Reseach Journal, 2017, 87, 1457-1468.	1.1	4
51	Limited memory switched Broyden method for faster image deblurring. , 2017, , .		0
52	Predicting modal characteristics of a cluster of cylinders in axial flow: From potential flow solutions to coupled CFDâ€™CSM calculations. Journal of Fluids and Structures, 2017, 74, 90-110.	1.5	15
53	Simulation of the Interaction Between a Slender Flexible Cylinder and an Axial High-Speed Air Flow. , 2017, , .		0
54	Patient-specific CFD models for intraventricular flow analysis from 3D ultrasound imaging: Comparison of three clinical cases. Journal of Biomechanics, 2017, 50, 144-150.	0.9	30

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55	The Concept of Segmented Wind Turbine Blades: A Review. <i>Energies</i> , 2017, 10, 1112.	1.6	38
56	Optimization of a Human-Powered Aircraft Using Fluid-Structure Interaction Simulations. <i>Aerospace</i> , 2016, 3, 26.	1.1	6
57	Development of a thermodynamic low order model for a twin screw expander with emphasis on pulsations in the inlet pipe. <i>Applied Thermal Engineering</i> , 2016, 103, 909-919.	3.0	21
58	Patient-specific CFD simulation of intraventricular haemodynamics based on 3D ultrasound imaging. <i>BioMedical Engineering OnLine</i> , 2016, 15, 107.	1.3	33
59	A hybrid sequential sampling based metamodelling approach for high dimensional problems. , 2016, , .		0
60	Performance study of gradient-enhanced Kriging. <i>Engineering With Computers</i> , 2016, 32, 15-34.	3.5	35
61	Benchmark exercise for fluid flow simulations in a liquid metal fast reactor fuel assembly. <i>Nuclear Engineering and Design</i> , 2016, 298, 218-228.	0.8	60
62	High dimensional Kriging metamodelling utilising gradient information. <i>Applied Mathematical Modelling</i> , 2016, 40, 5256-5270.	2.2	27
63	Predicting turbulence-induced vibration in axial annular flow by means of large-eddy simulations. <i>Journal of Fluids and Structures</i> , 2016, 61, 115-131.	1.5	14
64	Assessment of shear stress related parameters in the carotid bifurcation using mouse-specific FSI simulations. <i>Journal of Biomechanics</i> , 2016, 49, 2135-2142.	0.9	26
65	Differential impact of local stiffening and narrowing on hemodynamics in repaired aortic coarctation: an FSI study. <i>Medical and Biological Engineering and Computing</i> , 2016, 54, 497-510.	1.6	21
66	Unstructured hexahedral mesh generation of complex vascular trees using a multi-block grid-based approach. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2016, 19, 663-672.	0.9	11
67	Fluid-Structure Interaction Simulation of Prosthetic Aortic Valves: Comparison between Immersed Boundary and Arbitrary Lagrangian-Eulerian Techniques for the Mesh Representation. <i>PLoS ONE</i> , 2016, 11, e0154517.	1.1	59
68	3D CFD Analysis of a Twin Screw Expander With Different Real Gas Models for R245fa. , 2015, , .		2
69	Fluid-Elastic Instabilities of Clamped-Clamped Aligned and Inclined Cylinders in Turbulent Axial Flow. , 2015, , .		0
70	Numerical simulation of a twin screw expander for performance prediction. <i>IOP Conference Series: Materials Science and Engineering</i> , 2015, 90, 012059.	0.3	4
71	Simulating the fluid forces and fluid-elastic instabilities of a clamped-clamped cylinder in turbulent axial flow. <i>Journal of Fluids and Structures</i> , 2015, 55, 139-154.	1.5	30
72	The aortic reservoir-wave as a paradigm for arterial haemodynamics. <i>Journal of Hypertension</i> , 2015, 33, 554-563.	0.3	18

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73	An Animal-Specific FSI Model of the Abdominal Aorta in Anesthetized Mice. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1298-1309.	1.3	28
74	New insights in twin screw expander performance for small scale ORC systems from 3D CFD analysis. <i>Applied Thermal Engineering</i> , 2015, 91, 535-546.	3.0	60
75	Wind-structure interaction simulations of ovaling vibrations in silo groups. <i>Journal of Fluids and Structures</i> , 2015, 59, 328-350.	1.5	11
76	Influence of Valve Size, Orientation and Downstream Geometry of an Aortic BMHV on Leaflet Motion and Clinically Used Valve Performance Parameters. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1370-1384.	1.3	2
77	On the use of gradients in Kriging surrogate models. , 2014, , .		17
78	Large-Eddy Simulations of Turbulence-Induced Vibrations in Annular Pipe Flow. , 2014, , .		0
79	Fluid-structure interaction simulation of pulse propagation in arteries: Numerical pitfalls and hemodynamic impact of a local stiffening. <i>International Journal of Engineering Science</i> , 2014, 77, 1-13.	2.7	20
80	Accounting for the effect of the heat exchanger length in the performance evaluation of compact fin and tube heat exchangers. <i>Applied Thermal Engineering</i> , 2014, 65, 544-553.	3.0	8
81	Validation of a numerical FSI simulation of an aortic BMHV by in vitro PIV experiments. <i>Medical Engineering and Physics</i> , 2014, 36, 1014-1023.	0.8	19
82	Interaction effects between parameters in a vortex generator and louvered fin compact heat exchanger. <i>International Journal of Heat and Mass Transfer</i> , 2014, 77, 247-256.	2.5	24
83	Modeling Hemodynamics in Vascular Networks Using a Geometrical Multiscale Approach: Numerical Aspects. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1445-1458.	1.3	17
84	Velocity profiles in the human ductus venosus: a numerical fluid structure interaction study. <i>Biomechanics and Modeling in Mechanobiology</i> , 2013, 12, 1019-1035.	1.4	10
85	Partitioned Simulation of Fluid-Structure Interaction. <i>Archives of Computational Methods in Engineering</i> , 2013, 20, 185-238.	6.0	98
86	Computational aspects of simulating wind induced ovaling vibrations in silo groups. <i>Journal of Computational and Applied Mathematics</i> , 2013, 246, 161-173.	1.1	3
87	On fin efficiency in interrupted fin and tube heat exchangers. <i>International Journal of Heat and Mass Transfer</i> , 2013, 60, 557-566.	2.5	17
88	Haemodynamic impact of stent-vessel (mal)apposition following carotid artery stenting: mind the gaps!. <i>Computer Methods in Biomechanics and Biomedical Engineering</i> , 2013, 16, 648-659.	0.9	27
89	Modal characteristics of a flexible cylinder in turbulent axial flow from numerical simulations. <i>Journal of Fluids and Structures</i> , 2013, 43, 110-123.	1.5	46
90	Comparison of Non-Invasive Methods for Measurement of Local Pulse Wave Velocity Using FSI-Simulations and In Vivo Data. <i>Annals of Biomedical Engineering</i> , 2013, 41, 1567-1578.	1.3	41

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91	Partitioned solution of an unsteady adjoint for strongly coupled fluid-structure interactions and application to parameter identification of a one-dimensional problem. Structural and Multidisciplinary Optimization, 2013, 47, 77-94.	1.7	24
92	Optimization of X-shaped louvered fin and tube heat exchangers while maintaining the physical meaning of the performance evaluation criterion. Applied Thermal Engineering, 2013, 58, 136-145.	3.0	18
93	A computational method to assess the in vivo stresses and unloaded configuration of patient-specific blood vessels. Journal of Computational and Applied Mathematics, 2013, 246, 10-17.	1.1	107
94	3D CFD Analysis of an Oil Injected Twin Screw Expander. , 2013, , .		7
95	Variability of Computational Fluid Dynamics Solutions for Pressure and Flow in a Giant Aneurysm: The ASME 2012 Summer Bioengineering Conference CFD Challenge. Journal of Biomechanical Engineering, 2013, 135, 021016.	0.6	109
96	Automated Hexahedral Mesh Generation in a Complex Vascular Tree: The Extended Treemesh Method. , 2013, , .		1
97	Speeding Up Fluid-Structure Interaction Simulation of the Blood Flow in a Flexible Artery Using Sub-Cycling: Stability and Accuracy. , 2013, , .		1
98	Inverse modelling of image-based patient-specific blood vessels: zero-pressure geometry and <i>in vivo</i> stress incorporation. ESAIM: Mathematical Modelling and Numerical Analysis, 2013, 47, 1059-1075.	0.8	7
99	Numerical Computation of Modal Characteristics of a Clamped-Clamped Cylinder in Turbulent Axial Pipe Flow. , 2013, , .		0
100	CFD Challenge: Solutions Using an Open-Source Finite Volume Solver, OpenFOAM. , 2012, , .		0
101	CFD Challenge: Solutions Using the Commercial Finite Volume Solver, Fluent, and a pyFormex-Generated Full Hexahedral Mesh. , 2012, , .		0
102	Predicting the Functional Impact of Residual Aortic Coarctation Lesions Using Fluid-Structure Interaction Simulations. , 2012, , .		0
103	Application of a strong FSI coupling scheme for the numerical simulation of bileaflet mechanical heart valve dynamics: study of wall shear stress on the valve leaflets. Progress in Computational Fluid Dynamics, 2012, 12, 68.	0.1	7
104	Numerical optimization of louvered fin heat exchanger with variable louver angles. Journal of Physics: Conference Series, 2012, 395, 012054.	0.3	4
105	Inverse modelling of an aneurysm's stiffness using surrogate-based optimization and fluid-structure interaction simulations. Structural and Multidisciplinary Optimization, 2012, 46, 457-469.	1.7	7
106	A fast strong coupling algorithm for the partitioned fluid-structure interaction simulation of BMHVs. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 1281-1312.	0.9	17
107	FSI simulation of asymmetric mitral valve dynamics during diastolic filling. Computer Methods in Biomechanics and Biomedical Engineering, 2012, 15, 121-130.	0.9	48
108	The upstream boundary condition influences the leaflet opening dynamics in the numerical FSI simulation of an aortic BMHV. International Journal for Numerical Methods in Biomedical Engineering, 2012, 28, 745-760.	1.0	14

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109	Multi-level quasi-Newton coupling algorithms for the partitioned simulation of fluid-structure interaction. Computer Methods in Applied Mechanics and Engineering, 2012, 225-228, 14-27.	3.4	19
110	Unsteady Reynolds averaged Navier-Stokes simulation of the post-critical flow around a closely spaced group of silos. Journal of Fluids and Structures, 2012, 30, 51-72.	1.5	7
111	Accuracy of Carotid Strain Estimates From Ultrasonic Wall Tracking: A Study Based on Multiphysics Simulations and In Vivo Data. IEEE Transactions on Medical Imaging, 2012, 31, 131-139.	5.4	24
112	Assessing the Accuracy of Non-Invasive Measuring Methods of Pulse Wave Velocity: An Analysis Based on Fluid-Structure Interaction Simulations in the Carotid Artery. , 2012, , .		0
113	Strain estimation in the carotid artery from ultrasonic wall tracking: A multiphysics model study. , 2011, , .		0
114	Multiphysics modeling in support of ultrasonic image development: Integration of fluid-structure interaction simulations and Field II applied to the carotid artery. , 2011, , .		0
115	Comparative Study of Slamming Loads on Cylindrical Structures. , 2011, , .		0
116	Slamming wave impact of a composite buoy for wave energy applications: Design and large-scale testing. Polymer Composites, 2011, 32, 700-713.	2.3	20
117	Multi-solver algorithms for the partitioned simulation of fluid-structure interaction. Computer Methods in Applied Mechanics and Engineering, 2011, 200, 2195-2210.	3.4	41
118	On the similarity between Dirichlet-Neumann with interface artificial compressibility and Robin-Neumann schemes for the solution of fluid-structure interaction problems. Journal of Computational Physics, 2011, 230, 6399-6403.	1.9	18
119	Analysis of Aortic Wave Travel and Reflection Using Advanced Modeling Methods in Simplified Geometries. , 2011, , .		0
120	Structural Simulation of a Mouse-Specific Abdominal Aorta. , 2011, , .		0
121	Interpolation among reduced-order matrices to obtain parameterized models for design, optimization and probabilistic analysis. International Journal for Numerical Methods in Fluids, 2010, 63, 207-230.	0.9	51
122	A multi-solver quasi-Newton method for the partitioned simulation of fluid-structure interaction. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012020.	0.3	1
123	Simulation of fluid-structure interaction with the interface artificial compressibility method. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 276-289.	1.0	44
124	Partitioned simulation of the interaction between an elastic structure and free surface flow. Computer Methods in Applied Mechanics and Engineering, 2010, 199, 2085-2098.	3.4	49
125	Stability analysis of Gauss-Seidel iterations in a partitioned simulation of fluid-structure interaction. Computers and Structures, 2010, 88, 263-271.	2.4	29
126	Performance of partitioned procedures in fluid-structure interaction. Computers and Structures, 2010, 88, 446-457.	2.4	130

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127	Bubble simulations with an interface tracking technique based on a partitioned fluid-structure interaction algorithm. <i>Journal of Computational and Applied Mathematics</i> , 2010, 234, 2303-2310.	1.1	6
128	A simulation environment for validating ultrasonic blood flow and vessel wall imaging based on fluid-structure interaction simulations: Ultrasonic assessment of arterial distension and wall shear rate. <i>Medical Physics</i> , 2010, 37, 4318-4330.	1.6	41
129	Improving ultrasonic imaging of the vascular wall and blood flow using a multiphysics simulation tool integrating fluid-structure interaction and ultrasound simulations. , 2010, , .		0
130	Mechanical Valve Fluid Dynamics and Thrombus Initiation. , 2010, , 437-462.		1
131	On the Similarities Between the Quasi-Newton Inverse Least Squares Method and GMRes. <i>SIAM Journal on Numerical Analysis</i> , 2010, 47, 4660-4679.	1.1	24
132	Evaluation of a new Implicit Coupling Algorithm for the Partitioned Fluid-Structure Interaction Simulation of Bileaflet Mechanical Heart Valves. <i>IOP Conference Series: Materials Science and Engineering</i> , 2010, 10, 012124.	0.3	5
133	Synthetic Vascular Ultrasound Imaging through Coupled Fluid-Structure Interaction and Ultrasound Simulations. <i>IFMBE Proceedings</i> , 2010, , 430-433.	0.2	0
134	A coupling algorithm for partitioned solvers applied to bubble and droplet dynamics. <i>Computers and Fluids</i> , 2009, 38, 613-624.	1.3	5
135	Performance of a new partitioned procedure versus a monolithic procedure in fluid-structure interaction. <i>Computers and Structures</i> , 2009, 87, 793-801.	2.4	325
136	The Quasi-Newton Least Squares Method: A New and Fast Secant Method Analyzed for Linear Systems. <i>SIAM Journal on Numerical Analysis</i> , 2009, 47, 2347-2368.	1.1	44
137	Stability of a coupling technique for partitioned solvers in FSI applications. <i>Computers and Structures</i> , 2008, 86, 2224-2234.	2.4	123
138	Characteristics of atmospheric pressure air discharges with a liquid cathode and a metal anode. <i>Plasma Sources Science and Technology</i> , 2008, 17, 025012.	1.3	118
139	DC-excited discharges in vapour bubbles in capillaries. <i>Plasma Sources Science and Technology</i> , 2008, 17, 025008.	1.3	44
140	Electrical discharges in the vapour phase in liquid-filled capillaries. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 194007.	1.3	24
141	DC Electrical Breakdown in a Metal Pin-Water Electrode System. <i>IEEE Transactions on Plasma Science</i> , 2008, 36, 1138-1139.	0.6	41
142	Dc excited glow discharges in atmospheric pressure air in pin-to-water electrode systems. <i>Journal Physics D: Applied Physics</i> , 2008, 41, 215201.	1.3	160
143	Influence of the water surface on the glow-to-spark transition in a metal-pin-to-water electrode system. <i>Plasma Sources Science and Technology</i> , 2008, 17, 045014.	1.3	44
144	Characteristics of the different plasma regimes of discharges with water cathodes. , 2008, , .		0

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145	Water surface deformation in strong electrical fields and its influence on electrical breakdown in a metal pinâ€“water electrode system. Journal Physics D: Applied Physics, 2007, 40, 4779-4786.	1.3	94
146	Implicit coupling of partitioned fluidâ€“structure interaction problems with reduced order models. Computers and Structures, 2007, 85, 970-976.	2.4	105
147	A symmetric grouped and ordered multi-secant Quasi-Newton update formula. Optimization Methods and Software, 0, , 1-22.	1.6	0
148	On the effect of nonlinearity and Jacobian initialization on the convergence of the generalized Broyden quasiâ€“Newton method. International Journal for Numerical Methods in Engineering, 0, , .	1.5	1