

Takashi Kuraishi

List of Publications by Year in descending order

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Version: 2024-02-01

17
papers

775
citations

567281

15
h-index

940533

16
g-index

18
all docs

18
docs citations

18
times ranked

89
citing authors

#	ARTICLE	IF	CITATIONS
1	Multiscale space–time methods for thermo-fluid analysis of a ground vehicle and its tires. <i>Mathematical Models and Methods in Applied Sciences</i> , 2015, 25, 2227-2255.	3.3	119
2	Turbocharger flow computations with the Space–Time Isogeometric Analysis (ST-IGA). <i>Computers and Fluids</i> , 2017, 142, 15-20.	2.5	100
3	Computational thermo-fluid analysis of a disk brake. <i>Computational Mechanics</i> , 2016, 57, 965-977.	4.0	82
4	Space–Time method for flow computations with slip interfaces and topology changes (ST-SI-TC). <i>Computers and Fluids</i> , 2016, 141, 124-134.	2.5	68
5	Tire aerodynamics with actual tire geometry, road contact and tire deformation. <i>Computational Mechanics</i> , 2019, 63, 1165-1185.	4.0	63
6	Gas turbine computational flow and structure analysis with isogeometric discretization and a complex-geometry mesh generation method. <i>Computational Mechanics</i> , 2021, 67, 57-84.	4.0	50
7	Space–time computational analysis of tire aerodynamics with actual geometry, road contact, tire deformation, road roughness and fluid film. <i>Computational Mechanics</i> , 2019, 64, 1699-1718.	4.0	48
8	Space–Time Computational Analysis of Tire Aerodynamics with Actual Geometry, Road Contact, and Tire Deformation. <i>Modeling and Simulation in Science, Engineering and Technology</i> , 2018, , 337-376.	0.6	46
9	Space–time Isogeometric flow analysis with built-in Reynolds-equation limit. <i>Mathematical Models and Methods in Applied Sciences</i> , 2019, 29, 871-904.	3.3	44
10	Computational flow analysis with boundary layer and contact representation: II. Heart valve flow with leaflet contact. <i>Journal of Mechanics</i> , 2022, 38, 185-194.	1.4	24
11	Space–time VMS isogeometric analysis of the Taylor–Couette flow. <i>Computational Mechanics</i> , 2021, 67, 1515-1541.	4.0	23
12	Computational flow analysis with boundary layer and contact representation: I. Tire aerodynamics with road contact. <i>Journal of Mechanics</i> , 2022, 38, 77-87.	1.4	22
13	Space–time isogeometric analysis of car and tire aerodynamics with road contact and tire deformation and rotation. <i>Computational Mechanics</i> , 2022, 70, 49-72.	4.0	22
14	Wind turbine wake computation with the ST-VMS method, isogeometric discretization and multidomain method: I. Computational framework. <i>Computational Mechanics</i> , 2021, 68, 113-130.	4.0	21
15	Wind turbine wake computation with the ST-VMS method, isogeometric discretization and multidomain method: II. Spatial and temporal resolution. <i>Computational Mechanics</i> , 2021, 68, 175-184.	4.0	18
16	Space–Time Computational FSI and Flow Analysis: 2004 and Beyond. , 2022, , 537-544.		13
17	Wind turbine wake computation with the ST-VMS method and isogeometric discretization: Directional preference in spatial refinement. <i>Computational Mechanics</i> , 2022, 69, 1031-1040.	4.0	12