Yuto Otoguro

List of Publications by Year
in descending order

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15	614	840776 11	1125743 13
papers	citations	h-index	g-index

15	15	15	86
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Turbocharger flow computations with the Spaceâ€“Time Isogeometric Analysis (ST-IGA). Computers and Fluids, 2017, 142, 15-20.	2.5	100
2	Stabilization and discontinuity-capturing parameters for spaceâ€“time flow computations with finite element and isogeometric discretizations. Computational Mechanics, 2018, 62, 1169-1186.	4.0	81
3	Spaceâ€“time VMS computational flow analysis with isogeometric discretization and a general-purpose NURBS mesh generation method. Computers and Fluids, 2017, 158, 189-200.	2.5	69
4	A General-Purpose NURBS Mesh Generation Method for Complex Geometries. Modeling and Simulation in Science, Engineering and Technology, 2018, , 399-434.	0.6	57
5	Turbocharger turbine and exhaust manifold flow computation with the Spaceâ€“Time Variational Multiscale Method and Isogeometric Analysis. Computers and Fluids, 2019, 179, 764-776.	2.5	57
6	Spaceâ€“time VMS flow analysis of a turbocharger turbine with isogeometric discretization: computations with time-dependent and steady-inflow representations of the intake/exhaust cycle. Computational Mechanics, 2019, 64, 1403-1419.	4.0	53
7	Spaceâ€“Time Variational Multiscale Isogeometric Analysis of a tsunami-shelter vertical-axis wind turbine. Computational Mechanics, 2020, 66, 1443-1460.	4.0	36
8	Element length calculation in B-spline meshes for complex geometries. Computational Mechanics, 2020, 65, 1085-1103.	4.0	35
9	Computational analysis of flow-driven string dynamics in a pump and residence time calculation. IOP Conference Series: Earth and Environmental Science, 0, 240, 062014.	0.3	34
10	Wind Turbine and Turbomachinery Computational Analysis with the ALE and Space-Time Variational Multiscale Methods and Isogeometric Discretization. Khoa Há»€ á»©ng Dá»¥ng, 2020, 4, 1.	3.0	26
11	Element-splitting-invariant local-length-scale calculation in B-Spline meshes for complex geometries. Mathematical Models and Methods in Applied Sciences, 2020, 30, 2139-2174.	3.3	21
12	ALE and Spaceâ€“Time Variational Multiscale Isogeometric Analysis of Wind Turbines and Turbomachinery. Modeling and Simulation in Science, Engineering and Technology, 2020, , 195-233.	0.6	21
13	A hyperelastic extended Kirchhoffâ€“Love shell model with out-of-plane normal stress: I. Out-of-plane deformation. Computational Mechanics, 2022, 70, 247-280.	4.0	14
14	Fabrication of doubly-curved CFRP shell structures with control over fiber directions. CAD Computer Aided Design, 2021, 136, 103028.	2.7	9
15	Element length calculation in B-spline meshes for complex geometries. , 2020, 65, 1085.		1