

Dong-Hyun Kim

List of Publications by Year in descending order

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Version: 2024-02-01

24
papers

644
citations

1040056

9
h-index

940533

16
g-index

24
all docs

24
docs citations

24
times ranked

352
citing authors

#	ARTICLE	IF	CITATIONS
1	A CFD study into the influence of unsteady aerodynamic interference on wind turbine surge motion. Renewable Energy, 2016, 90, 204-228.	8.9	112
2	The platform pitching motion of floating offshore wind turbine: A preliminary unsteady aerodynamic analysis. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 142, 65-81.	3.9	109
3	Fully coupled aero-hydrodynamic analysis of a semi-submersible FOWT using a dynamic fluid body interaction approach. Renewable Energy, 2016, 92, 244-261.	8.9	96
4	TRANSONIC AND LOW-SUPERSONIC AEROELASTIC ANALYSIS OF A TWO-DEGREE-OF-FREEDOM AIRFOIL WITH A FREEPLAY NON-LINEARITY. Journal of Sound and Vibration, 2000, 234, 859-880.	3.9	73
5	The coupled dynamic response computation for a semi-submersible platform of floating offshore wind turbine. Journal of Wind Engineering and Industrial Aerodynamics, 2015, 147, 104-119.	3.9	72
6	A <sc>CFD</sc> study of coupled aerodynamic–hydrodynamic loads on a semisubmersible floating offshore wind turbine. Wind Energy, 2018, 21, 70-85.	4.2	54
7	Nonlinear Aeroelastic Computation of a Wing/Pylon/Finned-Store Using Parallel Computing. AIAA Journal, 2005, 43, 53-62.	2.6	27
8	Transonic and Low-Supersonic Aerodynamic Analysis of a Wing with Underpylon/Store. Journal of Aircraft, 2000, 37, 189-192.	2.4	21
9	Aerodynamic Interference Effect of Huge Wind Turbine Blades With Periodic Surge Motions Using Overset Grid-Based Computational Fluid Dynamics Approach. Journal of Solar Energy Engineering, Transactions of the ASME, 2015, 137, .	1.8	14
10	Transonic and supersonic flutter characteristics of a wing-box model with tip stores. , 2001, , .		10
11	Nonlinear Aeroelastic Computation of Wings with Pylon/Finned-Store Using Parallel Unstructured Euler Solver. , 2002, , .		9
12	Nonlinear Aeroelastic Simulation of a Full-Span Aircraft with Oscillating Control Surfaces. Journal of Aerospace Engineering, 2005, 18, 156-167.	1.4	9
13	Linear/Nonlinear Unsteady Aerodynamic Modeling of 2-D Lifting Surfaces via a Combined CFD/Analytical Approach. , 2003, , .		8
14	Nonlinearc Aeroelastic Analysis of an Airfoil Using CFD-Based Indicial Approach. Journal of Aircraft, 2005, 42, 1340-1344.	2.4	7
15	Angle-of-Attack Effect on Transonic/Supersonic Aeroelasticity of Wing-Box Model. Journal of Aircraft, 2002, 39, 906-908.	2.4	5
16	Generalized Transonic Unsteady Aerodynamics via Computational-Fluid-Dynamics/ Indicial Approach.. AIAA Journal, 2005, 43, 915-917.	2.6	5
17	Nonlinear Flutter Characteristics of Composite Missile Wing in Transonic/Low-Supersonic Flows. Journal of Aircraft, 2002, 39, 889-892.	2.4	4
18	Linear/Nonlinear Aeroelastic Computation of 2-D Lifting Surfaces Using a Combined CFD/Analytical Approach. , 2004, , .		3

#	ARTICLE	IF	CITATIONS
19	Extreme Load Estimation for a Large Wind Turbine Using CFD and Unsteady BEM. Lecture Notes in Computer Science, 2013, , 127-142.	1.3	3
20	Supersonic Flutter and LCO of Airfoils via CFD/Analytical Combined Approach. , 2005, , .		2
21	Virtual Flutter Plight Test of a Full Configuration Aircraft with Pylon/External Stores. International Journal of Aeronautical and Space Sciences, 2003, 4, 34-44.	2.0	1
22	Transonic/Supersonic Aeroelastic Instability of an All Movable Wing with Structural Nonlinearity. , 2003, , .		0
23	Aeroelastic Response Analysis for Wing-Body Configuration Considering Shockwave and Flow Viscous Effects. Journal of the Korean Society for Aeronautical & Space Sciences, 2009, 37, 984-991.	0.1	0
24	External Store Separation Analysis Using Moving and Deforming Mesh Method. Journal of the Korean Society for Aviation and Aeronautics, 2019, 27, 9-20.	0.3	0