

Seongmin Chang

List of Publications by Year in descending order

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Version: 2024-02-01

20
papers

408
citations

1040056

9
h-index

940533

16
g-index

20
all docs

20
docs citations

20
times ranked

281
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of interphase percolation on mechanical behavior of nanoparticle-reinforced polymer nanocomposite with filler agglomeration: A multiscale approach. <i>Chemical Physics Letters</i> , 2015, 635, 80-85.	2.6	134
2	Multiscale homogenization modeling for thermal transport properties of polymer nanocomposites with Kapitza thermal resistance. <i>Polymer</i> , 2013, 54, 1543-1554.	3.8	67
3	A study on the prediction of the mechanical properties of nanoparticulate composites using the homogenization method with the effective interface concept. <i>International Journal for Numerical Methods in Engineering</i> , 2011, 85, 1564-1583.	2.8	42
4	Statistical multiscale homogenization approach for analyzing polymer nanocomposites that include model inherent uncertainties of molecular dynamics simulations. <i>Composites Part B: Engineering</i> , 2016, 87, 120-131.	12.0	33
5	Multiscale analysis of prelithiated silicon nanowire for Li-ion battery. <i>Computational Materials Science</i> , 2015, 98, 99-104.	3.0	29
6	Multiscale homogenization model for thermoelastic behavior of epoxy-based composites with polydisperse SiC nanoparticles. <i>Composite Structures</i> , 2015, 128, 342-353.	5.8	26
7	Structural system identification using degree of freedom-based reduction and hierarchical clustering algorithm. <i>Journal of Sound and Vibration</i> , 2015, 346, 139-152.	3.9	18
8	Stress-diffusion coupled multiscale analysis of Si anode for Li-ion battery. <i>Journal of Mechanical Science and Technology</i> , 2015, 29, 4807-4816.	1.5	15
9	Structural-System Identification via a Reduced System and the Sensor-Location Selection Method. <i>AIAA Journal</i> , 2019, 57, 2100-2108.	2.6	9
10	Dynamic-Condensation-Based Reanalysis by Using the Sherman-Morrison-Woodbury Formula. <i>AIAA Journal</i> , 2021, 59, 905-911.	2.6	9
11	Efficient Model Updating Method for System Identification Using a Convolutional Neural Network. <i>AIAA Journal</i> , 2021, 59, 3480-3489.	2.6	8
12	Iterative improved reduced system method of fluid-structure interaction with free surface. <i>Journal of Sound and Vibration</i> , 2021, 514, 116445.	3.9	5
13	Reduction method based structural model updating method via neural networks. , 2020, , .		4
14	Surrogate Model Considering Trim Condition for Design Optimization of High-Aspect-Ratio Flexible Wing. <i>International Journal of Aeronautical and Space Sciences</i> , 2022, 23, 288-302.	2.0	3
15	Component model synthesis using model updating with neural networks. <i>Mechanics of Advanced Materials and Structures</i> , 2023, 30, 400-411.	2.6	3
16	3D-based equivalent model of SMART control rod drive mechanism using dynamic condensation method. <i>Nuclear Engineering and Technology</i> , 2022, 54, 1109-1114.	2.3	2
17	Stochastic homogenization of nano-thickness thin films including patterned holes using structural perturbation method. <i>Probabilistic Engineering Mechanics</i> , 2017, 49, 1-12.	2.7	1
18	Multiscale analysis of polymer nanocomposites considering hyperelasto-plastic behavior. , 2015, , .		0

#	ARTICLE	IF	CITATIONS
19	Experimental Examples for Identification of Structural Systems Using Degree of Freedom-Based Reduction Method. Conference Proceedings of the Society for Experimental Mechanics, 2017, , 375-378.	0.5	0
20	Structural system identification using degree of freedom-based reduction method and sensor selection algorithm. , 2017, , .		0