RBF-POD reduced-order modeling of flow field in the cu

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Citation Report

#	Article	IF	Citations
1	Fast calculation of latent heat storage process in the direct steam generation solar thermal power system using a POD reduced-order model. Solar Energy, 2021, 227, 541-556.	6.1	2
2	Effects of joule heating on shock train structure, mathematical modeling with modification of k-Ï‰ shear stress transport. Acta Astronautica, 2021, 188, 326-333.	3.2	17
3	Boundary-layer viscous correction method for hypersonic forebody/inlet integration. Acta Astronautica, 2021, 189, 638-657.	3.2	15
4	Intelligent reconstruction of the flow field in a supersonic combustor based on deep learning. Physics of Fluids, 2022, 34, .	4.0	31
5	Cavitation flow and broadband noise source characteristics of NACA66 hydrofoil with a V groove on the suction surface. Ocean Engineering, 2022, 266, 112889.	4.3	14
6	A Digital Twin Framework Embedded with POD and Neural Network for Flow Field Monitoring of Push-Plate Kiln. Future Internet, 2023, 15, 51.	3.8	2
7	Adaptive Gaussian Mixture Model for Uncertainty Propagation Using Virtual Sample Generation. Applied Sciences (Switzerland), 2023, 13, 3069.	2.5	1
8	Fast and reliable prediction of scramjet flowfields via Gaussian process latent variable model and deep learning. Physics of Fluids, 2023, 35, .	4.0	7
9	Flow Field Reconstruction of 2D Hypersonic Inlets Based on a Variational Autoencoder. Aerospace, 2023, 10, 825.	2.2	0
10	A rapid method to predict biaxial fatigue life of automotive wheels using proper orthogonal decomposition and radial basis function algorithm. Advances in Engineering Software, 2023, 186, 103543.	3.8	1
11	Dynamic multi-objective optimization of scramjet inlet based on small-sample Kriging model. Physics of Fluids, 2023, 35, .	4.0	3
12	A reduced-order model for fast predicting ionized flows of hypersonic vehicles along flight trajectory. Chinese Journal of Aeronautics, 2023, , .	5.3	0
13	Rapid Prediction of the In Situ Pyrolysis Performance of Tar-Rich Coal Using the POD Method. Processes, 2023, 11, 2994.	2.8	0
14	The use of GANs and transfer learning in model-order reduction of turbulent wake of an isolated high-rise building. Building and Environment, 2023, 246, 110948.	6.9	2
15	Flow field reconstruction in inlet of scramjet at Mach 10 based on physical information neural network. Physics of Fluids, 2023, 35, .	4.0	2
16	Multi-objective optimization design of shock-focusing detonation initiator. Acta Astronautica, 2024, 214, 240-252.	3.2	2
17	Study of the influence of multiple factors on the boundary layer of a high-lift LPT with the RBF-GA method. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 0, , .	1.3	0
18	Data-Driven Reduced-Order Model for Bubbling Fluidized Beds. Industrial & Engineering Chemistry Research, 2024, 63, 1634-1648.	3.7	0

#	Article	IF	Citations
19	Fast flow field prediction of three-dimensional hypersonic vehicles using an improved Gaussian process regression algorithm. Physics of Fluids, 2024, 36, .	4.0	2
20	Recent advances and prospects in hypersonic inlet design and intelligent optimization. Aerospace Science and Technology, 2024, 146, 108953.	4.8	0