

Xueyu Zhu

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

396
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687363

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docs citations

30
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Bi-fidelity stochastic collocation methods for epidemic transport models with uncertainties. <i>Networks and Heterogeneous Media</i> , 2022, 17, 401.	1.1	6
2	A bi-fidelity stochastic collocation method for transport equations with diffusive scaling and multi-dimensional random inputs. <i>Journal of Computational Physics</i> , 2022, 462, 111252.	3.8	3
3	Bifidelity Data-Assisted Neural Networks in Nonintrusive Reduced-Order Modeling. <i>Journal of Scientific Computing</i> , 2021, 87, 1.	2.3	7
4	Denoising Autoencoder Aided Spectrum Reconstruction for Colloidal Quantum Dot Spectrometers. <i>IEEE Sensors Journal</i> , 2021, 21, 6450-6458.	4.7	11
5	Explainable liver tumor delineation in surgical specimens using hyperspectral imaging and deep learning. <i>Biomedical Optics Express</i> , 2021, 12, 4510-4529.	2.9	10
6	Estimation of Ankle Dynamic Joint Torque by a Neuromusculoskeletal Solver-informed NN Model. , 2021, , .		4
7	Hidden physics model for parameter estimation of elastic wave equations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2021, 381, 113814.	6.6	3
8	Adaptive Surrogate Model for Failure Probability Estimation. , 2021, , .		0
9	A bi-fidelity method for the multiscale Boltzmann equation with random parameters. <i>Journal of Computational Physics</i> , 2020, 402, 108914.	3.8	10
10	Nonnegativity-enforced Gaussian process regression. <i>Theoretical and Applied Mechanics Letters</i> , 2020, 10, 182-187.	2.8	16
11	When Bifidelity Meets CoKriging: An Efficient Physics-Informed MultiFidelity Method. <i>SIAM Journal of Scientific Computing</i> , 2020, 42, A220-A249.	2.8	12
12	A bi-fidelity surrogate modeling approach for uncertainty propagation in three-dimensional hemodynamic simulations. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 366, 113047.	6.6	14
13	Parameter Estimation of Acoustic Wave Equations Using Hidden Physics Models. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 4629-4639.	6.3	7
14	Solver-informed neural networks for spectrum reconstruction of colloidal quantum dot spectrometers. <i>Optics Express</i> , 2020, 28, 33656.	3.4	22
15	An efficient solver for cumulative density function-based solutions of uncertain kinematic wave models. <i>Journal of Computational Physics</i> , 2019, 382, 138-151.	3.8	2
16	Adaptive Spatial-Spectral Feature Learning for Hyperspectral Image Classification. <i>IEEE Access</i> , 2019, 7, 61534-61547.	4.2	20
17	Hierarchical Multi-Scale Convolutional Neural Networks for Hyperspectral Image Classification. <i>Sensors</i> , 2019, 19, 1714.	3.8	14
18	Multi-stage Spatial Feature Integration for Multispectral Image Classification. , 2019, , .		0

#	ARTICLE	IF	CITATIONS
19	A Multifidelity Approach to Parameter Dependent Modeling of Combustion Instability. , 2018, , .		1
20	A Multi-Fidelity Collocation Method for Time-Dependent Parameterized Problems. , 2017, , .		2
21	Multi-fidelity stochastic collocation method for computation of statistical moments. Journal of Computational Physics, 2017, 341, 386-396.	3.8	26
22	A Well-Balanced Stochastic Galerkin Method for Scalar Hyperbolic Balance Laws with Random Inputs. Journal of Scientific Computing, 2016, 67, 1198-1218.	2.3	18
23	Reduced Basis Multiscale Finite Element Methods for Elliptic Problems. Multiscale Modeling and Simulation, 2015, 13, 316-337.	1.6	14
24	Asymptotic-preserving methods for hyperbolic and transport equations with random inputs and diffusive scalings. Journal of Computational Physics, 2015, 289, 35-52.	3.8	47
25	Computational Aspects of Stochastic Collocation with Multifidelity Models. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 444-463.	2.0	56
26	High-Order Multiscale Finite Element Method for Elliptic Problems. Multiscale Modeling and Simulation, 2014, 12, 650-666.	1.6	17
27	Model Reduction Opportunities in Detailed Simulations of Combustion Dynamics. , 2014, , .		9
28	On the Use of Reduced Basis Methods to Accelerate and Stabilize the Parareal Method. , 2014, , 187-214.		14
29	Multi-dimensional hybrid Fourier continuationâ€™WENO solvers for conservation laws. Journal of Computational Physics, 2013, 253, 209-225.	3.8	13
30	Certified reduced basis method for electromagnetic scattering and radar cross section estimation. Computer Methods in Applied Mechanics and Engineering, 2012, 233-236, 92-108.	6.6	18