

Xueyu Zhu

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2201395/publications.pdf>

Version: 2024-02-01

30
papers

396
citations

687363

13
h-index

794594

19
g-index

30
all docs

30
docs citations

30
times ranked

293
citing authors

#	ARTICLE	IF	CITATIONS
1	Computational Aspects of Stochastic Collocation with Multifidelity Models. SIAM-ASA Journal on Uncertainty Quantification, 2014, 2, 444-463.	2.0	56
2	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
3	Multi-fidelity stochastic collocation method for computation of statistical moments. Journal of Computational Physics, 2017, 341, 386-396.	3.8	26
4	Solver-informed neural networks for spectrum reconstruction of colloidal quantum dot spectrometers. Optics Express, 2020, 28, 33656.	3.4	22
5	Adaptive Spatial-Spectral Feature Learning for Hyperspectral Image Classification. IEEE Access, 2019, 7, 61534-61547.	4.2	20
6	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
7	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
8	High-Order Multiscale Finite Element Method for Elliptic Problems. Multiscale Modeling and Simulation, 2014, 12, 650-666.	1.6	17
9	Nonnegativity-enforced Gaussian process regression. Theoretical and Applied Mechanics Letters, 2020, 10, 182-187.	2.8	16
10	Reduced Basis Multiscale Finite Element Methods for Elliptic Problems. Multiscale Modeling and Simulation, 2015, 13, 316-337.	1.6	14
11	Hierarchical Multi-Scale Convolutional Neural Networks for Hyperspectral Image Classification. Sensors, 2019, 19, 1714.	3.8	14
12	A bi-fidelity surrogate modeling approach for uncertainty propagation in three-dimensional hemodynamic simulations. Computer Methods in Applied Mechanics and Engineering, 2020, 366, 113047.	6.6	14
13	On the Use of Reduced Basis Methods to Accelerate and Stabilize the Parareal Method. , 2014, , 187-214.		14
14	Multi-dimensional hybrid Fourier continuationâ€“WENO solvers for conservation laws. Journal of Computational Physics, 2013, 253, 209-225.	3.8	13
15	When Bifidelity Meets CoKriging: An Efficient Physics-Informed MultiFidelity Method. SIAM Journal of Scientific Computing, 2020, 42, A220-A249.	2.8	12
16	Denosing Autoencoder Aided Spectrum Reconstruction for Colloidal Quantum Dot Spectrometers. IEEE Sensors Journal, 2021, 21, 6450-6458.	4.7	11
17	A bi-fidelity method for the multiscale Boltzmann equation with random parameters. Journal of Computational Physics, 2020, 402, 108914.	3.8	10
18	Explainable liver tumor delineation in surgicalspecimens using hyperspectral imaging anddeep learning. Biomedical Optics Express, 2021, 12, 4510-4529.	2.9	10

#	ARTICLE	IF	CITATIONS
19	Model Reduction Opportunities in Detailed Simulations of Combustion Dynamics. , 2014, , .		9
20	Parameter Estimation of Acoustic Wave Equations Using Hidden Physics Models. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4629-4639.	6.3	7
21	Bifidelity Data-Assisted Neural Networks in Nonintrusive Reduced-Order Modeling. Journal of Scientific Computing, 2021, 87, 1.	2.3	7
22	Bi-fidelity stochastic collocation methods for epidemic transport models with uncertainties. Networks and Heterogeneous Media, 2022, 17, 401.	1.1	6
23	Estimation of Ankle Dynamic Joint Torque by a Neuromusculoskeletal Solver-informed NN Model. , 2021, , .		4
24	Hidden physics model for parameter estimation of elastic wave equations. Computer Methods in Applied Mechanics and Engineering, 2021, 381, 113814.	6.6	3
25	A bi-fidelity stochastic collocation method for transport equations with diffusive scaling and multi-dimensional random inputs. Journal of Computational Physics, 2022, 462, 111252.	3.8	3
26	A Multi-Fidelity Collocation Method for Time-Dependent Parameterized Problems. , 2017, , .		2
27	An efficient solver for cumulative density function-based solutions of uncertain kinematic wave models. Journal of Computational Physics, 2019, 382, 138-151.	3.8	2
28	A Multifidelity Approach to Parameter Dependent Modeling of Combustion Instability. , 2018, , .		1
29	Multi-stage Spatial Feature Integration for Multispectral Image Classification. , 2019, , .		0
30	Adaptive Surrogate Model for Failure Probability Estimation. , 2021, , .		0