List of Publications by Year
in descending order

23 papers	**671** citations	759233 **12** h-index	713466 **21** g-index
23 all docs	**23** docs citations	**23** times ranked	**458** citing authors

#	ARTICLE	IF	CITATIONS
1	Optimal design for kernel interpolation: Applications to uncertainty quantification. Journal of Computational Physics, 2021, 430, 110094.	3.8	4
2	Gradient-free Stein variational gradient descent with kernel approximation. Applied Mathematics Letters, 2021, 121, 107465.	2.7	3
3	Stein variational gradient descent with local approximations. Computer Methods in Applied Mechanics and Engineering, 2021, 386, 114087.	6.6	4
4	A Non-Intrusive Reduced Basis EKI for Time Fractional Diffusion Inverse Problems. Acta Mathematicae Applicatae Sinica, 2020, 36, 183-202.	0.7	2
5	Adaptive multi-fidelity polynomial chaos approach to Bayesian inference in inverse problems. Journal of Computational Physics, 2019, 381, 110-128.	3.8	63
6	AN ADAPTIVE MULTIFIDELITY PC-BASED ENSEMBLE KALMAN INVERSION FOR INVERSE PROBLEMS. , 2019, 9, 205-220.		11
7	Doubly stochastic radial basis function methods. Journal of Computational Physics, 2018, 363, 87-97.	3.8	20
8	Weighted Approximate Fekete Points: Sampling for Least-Squares Polynomial Approximation. SIAM Journal of Scientific Computing, 2018, 40, A366-A387.	2.8	21
9	Bayesian approach to a nonlinear inverse problem for a time-space fractional diffusion equation. Inverse Problems, 2018, 34, 125002.	2.0	19
10	Sparse Approximation using ell_1-ell_2 Minimization and Its Application to Stochastic Collocation. SIAM Journal of Scientific Computing, 2017, 39, A229-A254.	2.8	33
11	Convergence analysis of surrogate-based methods for Bayesian inverse problems. Inverse Problems, 2017, 33, 125001.	2.0	15
12	Sparse Recovery via ℓq-Minimization for Polynomial Chaos Expansions. Numerical Mathematics, 2017, 10, 775-797.	1.3	1
13	The method of approximate particular solutions for the time-fractional diffusion equation with a non-local boundary condition. Computers and Mathematics With Applications, 2015, 70, 254-264.	2.7	18
14	Stochastic Collocation Algorithms Using l_1-Minimization for Bayesian Solution of Inverse Problems. SIAM Journal of Scientific Computing, 2015, 37, A1410-A1435.	2.8	27
15	Efficient Kansa-type MFS algorithm for time-fractional inverse diffusion problems. Computers and Mathematics With Applications, 2014, 67, 1507-1520.	2.7	10
16	A Kansa-type MFS scheme for two-dimensional time fractional diffusion equations. Engineering Analysis With Boundary Elements, 2013, 37, 1426-1435.	3.7	8
17	STOCHASTIC COLLOCATION ALGORITHMS USING l1-MINIMIZATION. , 2012, 2, 279-293.		99
18	A new numerical method for the inverse source problem from a Bayesian perspective. International Journal for Numerical Methods in Engineering, 2011, 85, 1460-1474.	2.8	7

#	Article	IF	Citations
19	A computational method for identifying a spacewise‐dependent heat source. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 597-608.	2.1	13
20	The identification of a Robin coefficient by a conjugate gradient method. International Journal for Numerical Methods in Engineering, 2009, 78, 800-816.	2.8	18
21	A meshless method for solving an inverse spacewise-dependent heat source problem. Journal of Computational Physics, 2009, 228, 123-136.	3.8	97
22	A Bayesian inference approach to identify a Robin coefficient in one-dimensional parabolic problems. Journal of Computational and Applied Mathematics, 2009, 231, 840-850.	2.0	18
23	The method of fundamental solutions for the inverse heat source problem. Engineering Analysis With Boundary Elements, 2008, 32, 216-222.	3.7	160