Liang Yan

List of Publications by Year
in descending order

26	691	759233	610901
papers	citations	12 h-index	24 g-index

26	26	26	467
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The method of fundamental solutions for the inverse heat source problem. Engineering Analysis With Boundary Elements, 2008, 32, 216-222.	3.7	160
2	STOCHASTIC COLLOCATION ALGORITHMS USING l1-MINIMIZATION. , 2012, 2, 279-293.		99
3	A meshless method for solving an inverse spacewise-dependent heat source problem. Journal of Computational Physics, 2009, 228, 123-136.	3.8	97
4	Adaptive multi-fidelity polynomial chaos approach to Bayesian inference in inverse problems. Journal of Computational Physics, 2019, 381, 110-128.	3.8	63
5	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
6	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
7	Weighted Approximate Fekete Points: Sampling for Least-Squares Polynomial Approximation. SIAM Journal of Scientific Computing, 2018, 40, A366-A387.	2.8	21
8	Doubly stochastic radial basis function methods. Journal of Computational Physics, 2018, 363, 87-97.	3.8	20
9	Bayesian approach to a nonlinear inverse problem for a time-space fractional diffusion equation. Inverse Problems, 2018, 34, 125002.	2.0	19
10	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
11	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
12	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
13	Convergence analysis of surrogate-based methods for Bayesian inverse problems. Inverse Problems, 2017, 33, 125001.	2.0	15
14	A computational method for identifying a spacewiseâ€dependent heat source. International Journal for Numerical Methods in Biomedical Engineering, 2010, 26, 597-608.	2.1	13
15	AN ADAPTIVE MULTIFIDELITY PC-BASED ENSEMBLE KALMAN INVERSION FOR INVERSE PROBLEMS. , 2019, 9, 205-220.		11
16	Reconstruction of the corrosion boundary for the Laplace equation by using a boundary collocation method. Mathematics and Computers in Simulation, 2009, 79, 2148-2156.	4.4	10
17	Efficient Kansa-type MFS algorithm for time-fractional inverse diffusion problems. Computers and Mathematics With Applications, 2014, 67, 1507-1520.	2.7	10
18	A Kansa-type MFS scheme for two-dimensional time fractional diffusion equations. Engineering Analysis With Boundary Elements, 2013, 37, 1426-1435.	3.7	8

#	Article	IF	Citations
19	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
20	Approximate inverse method for stable analytic continuation in a strip domain. Journal of Computational and Applied Mathematics, 2011, 235, 2979-2992.	2.0	6
21	The general a posteriori truncation method and its application to radiogenic source identification for the Helium productionâ€“diffusion equation. Applied Mathematical Modelling, 2017, 43, 126-138.	4.2	6
22	Stein variational gradient descent with local approximations. Computer Methods in Applied Mechanics and Engineering, 2021, 386, 114087.	6.6	4
23	Gradient-free Stein variational gradient descent with kernel approximation. Applied Mathematics Letters, 2021, 121, 107465.	2.7	3
24	On the interface identification of free boundary problem by method of fundamental solution. Numerical Linear Algebra With Applications, 2013, 20, 385-396.	1.6	2
25	A Non-Intrusive Reduced Basis EKI for Time Fractional Diffusion Inverse Problems. Acta Mathematicae Applicatae Sinica, 2020, 36, 183-202.	0.7	2
26	Sparse Recovery via â„“q-Minimization for Polynomial Chaos Expansions. Numerical Mathematics, 2017, 10, 775-797.	1.3	1