

Ronald D Haynes

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

657
citations

840776

11
h-index

580821

25
g-index

39
all docs

39
docs citations

39
times ranked

618
citing authors

#	ARTICLE	IF	CITATIONS
1	Domain decomposition parabolic Monge-Ampère approach for fast generation of adaptive moving meshes. <i>Computers and Mathematics With Applications</i> , 2021, 84, 97-111.	2.7	2
2	Finite element modelling of geophysical electromagnetic data with goal-oriented hr-adaptivity. <i>Computational Geosciences</i> , 2020, 24, 1257-1283.	2.4	2
3	Linearized domain decomposition approaches for nonlinear boundary value problems. <i>Journal of Computational and Applied Mathematics</i> , 2019, 346, 620-637.	2.0	1
4	Well control optimization using derivative-free algorithms and a multiscale approach. <i>Computers and Chemical Engineering</i> , 2019, 123, 12-33.	3.8	18
5	Optimization of hydrocarbon water alternating gas in the Norne field: Application of evolutionary algorithms. <i>Fuel</i> , 2018, 223, 86-98.	6.4	24
6	Eye of the Veholder: AR Extending and Blending of Museum Objects and Virtual Collections. <i>Progress in IS</i> , 2018, , 79-91.	0.6	6
7	Hierarchical Full-Duplex Underwater Acoustic Network: A NOMA Approach. , 2018, , .		17
8	Domain Decomposition Approaches for PDE Based Mesh Generation. <i>Lecture Notes in Computational Science and Engineering</i> , 2018, , 73-86.	0.3	0
9	Moving mesh simulation of contact sets in two dimensional models of elastic-electrostatic deflection problems. <i>Journal of Computational Physics</i> , 2018, 375, 763-782.	3.8	4
10	Algorithm 965. <i>ACM Transactions on Mathematical Software</i> , 2017, 43, 1-13.	2.9	13
11	On the role of the second-order derivative term in the calculation of convergent beam diffraction patterns. <i>Ultramicroscopy</i> , 2017, 179, 73-80.	1.9	2
12	Probabilistic domain decomposition for the solution of the two-dimensional magnetotelluric problem. <i>Computational Geosciences</i> , 2017, 21, 117-129.	2.4	3
13	Discrete analysis of domain decomposition approaches for mesh generation via the equidistribution principle. <i>Mathematics of Computation</i> , 2016, 86, 233-273.	2.1	7
14	A multilevel coordinate search algorithm for well placement, control and joint optimization. <i>Computers and Chemical Engineering</i> , 2016, 95, 75-96.	3.8	47
15	A Stochastic Domain Decomposition Method for Time Dependent Mesh Generation. <i>Lecture Notes in Computational Science and Engineering</i> , 2016, , 107-115.	0.3	2
16	Alternating Schwarz methods for partial differential equation-based mesh generation. <i>International Journal of Computer Mathematics</i> , 2015, 92, 349-376.	1.8	5
17	A Closer Look At Differential Evolution For The Optimal Well Placement Problem. , 2015, , .		6
18	Joint optimization of well placement and control for nonconventional well types. <i>Journal of Petroleum Science and Engineering</i> , 2015, 126, 242-253.	4.2	43

#	ARTICLE	IF	CITATIONS
19	ArjunAir: Updating and parallelizing an existing time domain electromagnetic inversion program. , 2014, , .		2
20	Efficient optimization of the likelihood function in Gaussian process modelling. Computational Statistics and Data Analysis, 2014, 73, 40-52.	1.2	16
21	Simultaneous and sequential approaches to joint optimization of well placement and control. Computational Geosciences, 2014, 18, 433-448.	2.4	75
22	Parallel stochastic methods for PDE based grid generation. Computers and Mathematics With Applications, 2014, 68, 804-820.	2.7	9
23	MPIâ€œOpenMP Algorithms for the Parallel Spaceâ€œTime Solution of Time Dependent PDEs. Lecture Notes in Computational Science and Engineering, 2014, , 179-187.	0.3	4
24	A Numerical Study of Blowup in the Harmonic Map Heat Flow Using the MMPDE Moving Mesh Method. Numerical Mathematics, 2013, 6, 364-383.	1.3	5
25	Alternating and Linearized Alternating Schwarz Methods for Equidistributing Grids. Lecture Notes in Computational Science and Engineering, 2013, , 395-402.	0.3	3
26	Monotonicity of Perturbed Tridiagonal M -Matrices. SIAM Journal on Matrix Analysis and Applications, 2012, 33, 681-700.	1.4	0
27	Domain Decomposition Approaches for Mesh Generation via the Equidistribution Principle. SIAM Journal on Numerical Analysis, 2012, 50, 2111-2135.	2.3	19
28	A Parallel Space-Time Algorithm. SIAM Journal of Scientific Computing, 2012, 34, C233-C248.	2.8	26
29	Simultaneous Optimization of Well Placement and Control Using a Hybrid Global-local Strategy. , 2012, , .		5
30	A Computationally Stable Approach to Gaussian Process Interpolation of Deterministic Computer Simulation Data. Technometrics, 2011, 53, 366-378.	1.9	89
31	Recent Advances in Schwarz Waveform Moving Mesh Methods â€œ A New Moving Subdomain Method. Lecture Notes in Computational Science and Engineering, 2011, , 253-260.	0.3	1
32	Inverse positivity of perturbed tridiagonal M -matrices. <small>xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.e.</small>	0.9	3
33	A study in the computation time required for the inclusion of strain field effects in Bloch-wave simulations of TEM diffraction contrast images. Ultramicroscopy, 2008, 108, 415-425.	1.9	5
34	Assessment of tidal current energy in the Minas Passage, Bay of Fundy. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2008, 222, 493-507.	1.4	172
35	A Schwarz Waveform Moving Mesh Method. SIAM Journal of Scientific Computing, 2007, 29, 656-673.	2.8	12
36	Persistently positive inverses of perturbed M -matrices. Linear Algebra and Its Applications, 2007, 422, 742-754.	0.9	2

#	ARTICLE	IF	CITATIONS
37	Preconditioning for a Class of Spectral Differentiation Matrices. Journal of Scientific Computing, 2005, 24, 343-371.	2.3	2