

Radek Tezaur

List of Publications by Year in descending order

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35
papers

1,451
citations

257450

24
h-index

395702

33
g-index

35
all docs

35
docs citations

35
times ranked

599
citing authors

#	ARTICLE	IF	CITATIONS
1	Mesh sampling and weighting for the hyperreduction of nonlinear Petrovâ€“Galerkin reducedâ€“order models with local reducedâ€“order bases. International Journal for Numerical Methods in Engineering, 2021, 122, 1846-1874.	2.8	31
2	Feasible Probabilistic Learning Method for Model-Form Uncertainty Quantification in Vibration Analysis. AIAA Journal, 2019, 57, 4978-4991.	2.6	22
3	A high-order discontinuous Galerkin method for unsteady advectionâ€“diffusion problems. Journal of Computational Physics, 2017, 332, 520-537.	3.8	12
4	A discontinuous Galerkin method with Lagrange multipliers for spatially-dependent advectionâ€“diffusion problems. Computer Methods in Applied Mechanics and Engineering, 2017, 327, 93-117.	6.6	13
5	Real-time solution of linear computational problems using databases of parametric reduced-order models with arbitrary underlying meshes. Journal of Computational Physics, 2016, 326, 373-397.	3.8	25
6	A High-order Discontinuous Galerkin Method for Unsteady Flow Problems. , 2016, , .		1
7	A hybrid discontinuous in space and time Galerkin method for wave propagation problems. International Journal for Numerical Methods in Engineering, 2014, 99, 263-289.	2.8	14
8	The discontinuous enrichment method for medium-frequency Helmholtz problems with a spatially variable wavenumber. Computer Methods in Applied Mechanics and Engineering, 2014, 268, 126-140.	6.6	24
9	An adaptive scheme for a class of interpolatory model reduction methods for frequency response problems. International Journal for Numerical Methods in Engineering, 2013, 93, 1109-1124.	2.8	32
10	A Domain Decomposition Solver for the Discontinuous Enrichment Method for the Helmholtz Equation. Lecture Notes in Computational Science and Engineering, 2013, , 207-214.	0.3	0
11	Overview of the discontinuous enrichment method, the ultraâ€“weak variational formulation, and the partition of unity method for acoustic scattering in the medium frequency regime and performance comparisons. International Journal for Numerical Methods in Engineering, 2012, 89, 403-417.	2.8	33
12	A dualâ€“primal FETI method for solving a class of fluidâ€“structure interaction problems in the frequency domain. International Journal for Numerical Methods in Engineering, 2012, 89, 418-437.	2.8	11
13	A discontinuous enrichment method for the efficient solution of plate vibration problems in the mediumâ€“frequency regime. International Journal for Numerical Methods in Engineering, 2010, 84, 127-148.	2.8	6
14	A spaceâ€“time discontinuous Galerkin method for the solution of the wave equation in the time domain. International Journal for Numerical Methods in Engineering, 2009, 78, 275-295.	2.8	42
15	A domain decomposition method for discontinuous Galerkin discretizations of Helmholtz problems with plane waves and Lagrange multipliers. International Journal for Numerical Methods in Engineering, 2009, 78, 1513-1531.	2.8	36
16	A discontinuous enrichment method for the finite element solution of high PÃ©clet advectionâ€“diffusion problems. Finite Elements in Analysis and Design, 2009, 45, 238-250.	3.2	30
17	A discontinuous enrichment method for threeâ€“dimensional multiscale harmonic wave propagation problems in multiâ€“fluid and fluidâ€“solid media. International Journal for Numerical Methods in Engineering, 2008, 76, 400-425.	2.8	24
18	A discontinuous enrichment method for capturing evanescent waves in multiscale fluid and fluid/solid problems. Computer Methods in Applied Mechanics and Engineering, 2008, 197, 1680-1698.	6.6	44

#	ARTICLE	IF	CITATIONS
19	Three-dimensional discontinuous Galerkin elements with plane waves and Lagrange multipliers for the solution of mid-frequency Helmholtz problems. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 66, 796-815.	2.8	70
20	The discontinuous enrichment method for elastic wave propagation in the medium-frequency regime. <i>International Journal for Numerical Methods in Engineering</i> , 2006, 66, 2086-2114.	2.8	41
21	A STUDY OF HIGHER-ORDER DISCONTINUOUS GALERKIN AND QUADRATIC LEAST-SQUARES STABILIZED FINITE ELEMENT COMPUTATIONS FOR ACOUSTICS. <i>Journal of Computational Acoustics</i> , 2006, 14, 1-19.	1.0	16
22	An algebraic theory for primal and dual substructuring methods by constraints. <i>Applied Numerical Mathematics</i> , 2005, 54, 167-193.	2.1	192
23	FETI-DPH: A DUAL-PRIMAL DOMAIN DECOMPOSITION METHOD FOR ACOUSTIC SCATTERING. <i>Journal of Computational Acoustics</i> , 2005, 13, 499-524.	1.0	85
24	A discontinuous Galerkin method with plane waves and Lagrange multipliers for the solution of short wave exterior Helmholtz problems on unstructured meshes. <i>Wave Motion</i> , 2004, 39, 307-317.	2.0	39
25	Higher-order extensions of a discontinuous Galerkin method for mid-frequency Helmholtz problems. <i>International Journal for Numerical Methods in Engineering</i> , 2004, 61, 1938-1956.	2.8	60
26	On the solution of three-dimensional inverse obstacle acoustic scattering problems by a regularized Newton method. <i>Inverse Problems</i> , 2002, 18, 1229-1246.	2.0	52
27	Three-dimensional finite element calculations in acoustic scattering using arbitrarily shaped convex artificial boundaries. <i>International Journal for Numerical Methods in Engineering</i> , 2002, 53, 1461-1476.	2.8	53
28	On the convergence of a dual-primal substructuring method. <i>Numerische Mathematik</i> , 2001, 88, 543-558.	1.9	127
29	Iterative solution of large-scale acoustic scattering problems with multiple right hand-sides by a domain decomposition method with Lagrange multipliers. <i>International Journal for Numerical Methods in Engineering</i> , 2001, 51, 1175-1193.	2.8	25
30	A Fast Method for Solving Acoustic Scattering Problems in Frequency Bands. <i>Journal of Computational Physics</i> , 2001, 168, 412-432.	3.8	29
31	FINITE ELEMENT SOLUTION OF TWO-DIMENSIONAL ACOUSTIC SCATTERING PROBLEMS USING ARBITRARILY SHAPED CONVEX ARTIFICIAL BOUNDARIES. <i>Journal of Computational Acoustics</i> , 2000, 08, 81-99.	1.0	28
32	Theoretical comparison of the FETI and algebraically partitioned FETI methods, and performance comparisons with a direct sparse solver. <i>International Journal for Numerical Methods in Engineering</i> , 1999, 46, 501-533.	2.8	52
33	A Scalable Substructuring Method by Lagrange Multipliers for Plate Bending Problems. <i>SIAM Journal on Numerical Analysis</i> , 1999, 36, 1370-1391.	2.3	58
34	Theoretical comparison of the FETI and algebraically partitioned FETI methods, and performance comparisons with a direct sparse solver. <i>International Journal for Numerical Methods in Engineering</i> , 1999, 46, 501-533.	2.8	1
35	Convergence of a substructuring method with Lagrange multipliers. <i>Numerische Mathematik</i> , 1996, 73, 473-487.	1.9	123