

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	An algebraic theory for primal and dual substructuring methods by constraints. Applied Numerical Mathematics, 2005, 54, 167-193.	2.1	192
2	On the convergence of a dual-primal substructuring method. Numerische Mathematik, 2001, 88, 543-558.	1.9	127
3	Convergence of a substructuring method with Lagrange multipliers. Numerische Mathematik, 1996, 73, 473-487.	1.9	123
4	FETI-DPH: A DUAL-PRIMAL DOMAIN DECOMPOSITION METHOD FOR ACOUSTIC SCATTERING. Journal of Computational Acoustics, 2005, 13, 499-524.	1.0	85
5	Three-dimensional discontinuous Galerkin elements with plane waves and Lagrange multipliers for the solution of mid-frequency Helmholtz problems. International Journal for Numerical Methods in Engineering, 2006, 66, 796-815.	2.8	70
6	Higher-order extensions of a discontinuous Galerkin method for mid-frequency Helmholtz problems. International Journal for Numerical Methods in Engineering, 2004, 61, 1938-1956.	2.8	60
7	A Scalable Substructuring Method by Lagrange Multipliers for Plate Bending Problems. SIAM Journal on Numerical Analysis, 1999, 36, 1370-1391.	2.3	58
8	Three-dimensional finite element calculations in acoustic scattering using arbitrarily shaped convex artificial boundaries. International Journal for Numerical Methods in Engineering, 2002, 53, 1461-1476.	2.8	53
9	Theoretical comparison of the FETI and algebraically partitioned FETI methods, and performance comparisons with a direct sparse solver. International Journal for Numerical Methods in Engineering, 1999, 46, 501-533.	2.8	52
10	On the solution of three-dimensional inverse obstacle acoustic scattering problems by a regularized Newton method. Inverse Problems, 2002, 18, 1229-1246.	2.0	52
11	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
12	A space-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
13	The discontinuous enrichment method for elastic wave propagation in the medium-frequency regime. International Journal for Numerical Methods in Engineering, 2006, 66, 2086-2114.	2.8	41
14	A discontinuous Galerkin method with plane waves and Lagrange multipliers for the solution of short wave exterior Helmholtz problems on unstructured meshes. Wave Motion, 2004, 39, 307-317.	2.0	39
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	Overview of the discontinuous enrichment method, the ultra-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
17	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
18	Mesh sampling and weighting for the hyperreduction of nonlinear Petrov-Galerkin reduced-order models with local reduced-order bases. International Journal for Numerical Methods in Engineering, 2021, 122, 1846-1874.	2.8	31

#	ARTICLE	IF	CITATIONS
19	A discontinuous enrichment method for the finite element solution of high Péclet advection-diffusion problems. <i>Finite Elements in Analysis and Design</i> , 2009, 45, 238-250.	3.2	30
20	A Fast Method for Solving Acoustic Scattering Problems in Frequency Bands. <i>Journal of Computational Physics</i> , 2001, 168, 412-432.	3.8	29
21	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
22	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
23	Real-time solution of linear computational problems using databases of parametric reduced-order models with arbitrary underlying meshes. <i>Journal of Computational Physics</i> , 2016, 326, 373-397.	3.8	25
24	A discontinuous enrichment method for three-dimensional multiscale harmonic wave propagation problems in multi-fluid and fluid-solid media. <i>International Journal for Numerical Methods in Engineering</i> , 2008, 76, 400-425.	2.8	24
25	The discontinuous enrichment method for medium-frequency Helmholtz problems with a spatially variable wavenumber. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2014, 268, 126-140.	6.6	24
26	Feasible Probabilistic Learning Method for Model-Form Uncertainty Quantification in Vibration Analysis. <i>AIAA Journal</i> , 2019, 57, 4978-4991.	2.6	22
27	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
28	A hybrid discontinuous in space and time Galerkin method for wave propagation problems. <i>International Journal for Numerical Methods in Engineering</i> , 2014, 99, 263-289.	2.8	14
29	A discontinuous Galerkin method with Lagrange multipliers for spatially-dependent advection-diffusion problems. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2017, 327, 93-117.	6.6	13
30	A high-order discontinuous Galerkin method for unsteady advection-diffusion problems. <i>Journal of Computational Physics</i> , 2017, 332, 520-537.	3.8	12
31	A dual-primal FETI method for solving a class of fluid-structure interaction problems in the frequency domain. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 89, 418-437.	2.8	11
32	A discontinuous enrichment method for the efficient solution of plate vibration problems in the medium-frequency regime. <i>International Journal for Numerical Methods in Engineering</i> , 2010, 84, 127-148.	2.8	6
33	A High-order Discontinuous Galerkin Method for Unsteady Flow Problems. , 2016, , .		1
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	A Domain Decomposition Solver for the Discontinuous Enrichment Method for the Helmholtz Equation. <i>Lecture Notes in Computational Science and Engineering</i> , 2013, , 207-214.	0.3	0