

Gernot Beer

List of Publications by Year in descending order

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Version: 2024-02-01

22
papers

362
citations

933447

10
h-index

888059

17
g-index

22
all docs

22
docs citations

22
times ranked

248
citing authors

#	ARTICLE	IF	CITATIONS
1	Fast isogeometric boundary element method based on independent field approximation. Computer Methods in Applied Mechanics and Engineering, 2015, 284, 458-488.	6.6	118
2	Stable isogeometric analysis of trimmed geometries. Computer Methods in Applied Mechanics and Engineering, 2017, 316, 497-521.	6.6	38
3	Isogeometric Boundary Element analysis with elasto-plastic inclusions. Part 2: 3-D problems. Computer Methods in Applied Mechanics and Engineering, 2017, 315, 418-433.	6.6	37
4	Isogeometric Boundary Element analysis with elasto-plastic inclusions. Part 1: Plane problems. Computer Methods in Applied Mechanics and Engineering, 2016, 308, 552-570.	6.6	30
5	Simulation of linear inclusions with the BEM. Engineering Analysis With Boundary Elements, 2009, 33, 959-965.	3.7	15
6	Special Issue on Advances in Modeling Rock Engineering Problems. International Journal of Geomechanics, 2012, 12, 617-617.	2.7	15
7	Isogeometric Boundary Element Method for the Simulation in Tunneling. Applied Mechanics and Materials, 2014, 553, 495-500.	0.2	15
8	Isogeometric Boundary Element Analysis of steady incompressible viscous flow, Part 1: Plane problems. Computer Methods in Applied Mechanics and Engineering, 2017, 326, 51-69.	6.6	15
9	Isogeometric boundary element analysis of problems in potential flow. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 517-532.	6.6	13
10	Efficient simulation of inclusions and reinforcement bars with the isogeometric Boundary Element method. Computer Methods in Applied Mechanics and Engineering, 2020, 372, 113409.	6.6	11
11	New Developments of the Boundary Element Method for Underground Constructions. International Journal of Geomechanics, 2012, 12, 665-675.	2.7	7
12	A fast elasto-plastic formulation with hierarchical matrices and the boundary element method. Computational Mechanics, 2013, 51, 443-453.	4.0	7
13	Isogeometric Boundary Element Analysis of steady incompressible viscous flow, Part 2: 3-D problems. Computer Methods in Applied Mechanics and Engineering, 2018, 332, 440-461.	6.6	7
14	The Isogeometric Boundary Element Method. Lecture Notes in Applied and Computational Mechanics, 2020, , .	2.2	7
15	Advanced Numerical Simulation Methods. , 0, , .		7
16	Advanced 3-D Boundary Element analysis of underground excavations. Computers and Geotechnics, 2018, 101, 196-207.	4.7	6
17	Advanced Boundary Element analysis of geotechnical problems with geological inclusions. Computers and Geotechnics, 2016, 79, 86-95.	4.7	5
18	INTEGRATION OF DESIGN AND ANALYSIS THROUGH BOUNDARY INTEGRAL EQUATIONS. , 2016, , .		5

#	ARTICLE	IF	CITATIONS
19	The isogeometric Nyström method. Computer Methods in Applied Mechanics and Engineering, 2016, 308, 212-237.	6.6	4
20	Coupling of BEM subdomains – BETI applied to collocation BEM with mixed basis functions. Engineering Analysis With Boundary Elements, 2016, 71, 79-91.	3.7	0
21	A NURBS-BEM Application in Continuum Damage Mechanics. Key Engineering Materials, 2018, 774, 253-258.	0.4	0
22	Efficient and realistic 3-D boundary element simulations of underground construction using isogeometric analysis. Computers and Geotechnics, 2021, 134, 104055.	4.7	0