

# Gernot Beer

## List of Publications by Year in descending order

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22  
papers

362  
citations

933447

10  
h-index

888059

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g-index

22  
all docs

22  
docs citations

22  
times ranked

248  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient and realistic 3-D boundary element simulations of underground construction using isogeometric analysis. Computers and Geotechnics, 2021, 134, 104055.	4.7	0
2	The Isogeometric Boundary Element Method. Lecture Notes in Applied and Computational Mechanics, 2020, , .	2.2	7
3	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
4	Isogeometric boundary element analysis of problems in potential flow. Computer Methods in Applied Mechanics and Engineering, 2019, 347, 517-532.	6.6	13
5	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
6	A NURBS-BEM Application in Continuum Damage Mechanics. Key Engineering Materials, 2018, 774, 253-258.	0.4	0
7	Advanced 3-D Boundary Element analysis of underground excavations. Computers and Geotechnics, 2018, 101, 196-207.	4.7	6
8	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
9	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
10	Stable isogeometric analysis of trimmed geometries. Computer Methods in Applied Mechanics and Engineering, 2017, 316, 497-521.	6.6	38
11	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
12	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
13	The isogeometric Nystr"m method. Computer Methods in Applied Mechanics and Engineering, 2016, 308, 212-237.	6.6	4
14	Advanced Boundary Element analysis of geotechnical problems with geological inclusions. Computers and Geotechnics, 2016, 79, 86-95.	4.7	5
15	INTEGRATION OF DESIGN AND ANALYSIS THROUGH BOUNDARY INTEGRAL EQUATIONS. , 2016, , .		5
16	Fast isogeometric boundary element method based on independent field approximation. Computer Methods in Applied Mechanics and Engineering, 2015, 284, 458-488.	6.6	118
17	Isogeometric Boundary Element Method for the Simulation in Tunneling. Applied Mechanics and Materials, 2014, 553, 495-500.	0.2	15
18	A fast elasto-plastic formulation with hierarchical matrices and the boundary element method. Computational Mechanics, 2013, 51, 443-453.	4.0	7

#	ARTICLE	IF	CITATIONS
19	New Developments of the Boundary Element Method for Underground Constructions. International Journal of Geomechanics, 2012, 12, 665-675.	2.7	7
20	Special Issue on Advances in Modeling Rock Engineering Problems. International Journal of Geomechanics, 2012, 12, 617-617.	2.7	15
21	Simulation of linear inclusions with the BEM. Engineering Analysis With Boundary Elements, 2009, 33, 959-965.	3.7	15
22	Advanced Numerical Simulation Methods. , 0, , .		7