

# Gabriel Hattori

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5635075/publications.pdf>

Version: 2024-02-01

15  
papers

281  
citations

933447

10  
h-index

1058476

14  
g-index

15  
all docs

15  
docs citations

15  
times ranked

248  
citing authors

#	ARTICLE	IF	CITATIONS
1	A non-ordinary state-based peridynamics framework for anisotropic materials. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2018, 339, 416-442.	6.6	47
2	New anisotropic crack-tip enrichment functions for the extended finite element method. <i>Computational Mechanics</i> , 2012, 50, 591-601.	4.0	39
3	Numerical Simulation of Fracking in Shale Rocks: Current State and Future Approaches. <i>Archives of Computational Methods in Engineering</i> , 2017, 24, 281-317.	10.2	35
4	Contact stiffness estimation in ANSYS using simplified models and artificial neural networks. <i>Finite Elements in Analysis and Design</i> , 2015, 97, 43-53.	3.2	27
5	Hybrid nearly singular integration for isogeometric boundary element analysis of coatings and other thin 2D structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2019, 346, 642-673.	6.6	26
6	Discontinuous isogeometric boundary element (IGABEM) formulations in 3D automotive acoustics. <i>Engineering Analysis With Boundary Elements</i> , 2019, 105, 303-311.	3.7	21
7	An extended boundary element method formulation for the direct calculation of the stress intensity factors in fully anisotropic materials. <i>International Journal for Numerical Methods in Engineering</i> , 2017, 109, 965-981.	2.8	18
8	Hybrid nearly singular integration for three-dimensional isogeometric boundary element analysis of coatings and other thin structures. <i>Computer Methods in Applied Mechanics and Engineering</i> , 2020, 367, 113099.	6.6	18
9	A Review on the Developments of Peridynamics for Reinforced Concrete Structures. <i>Archives of Computational Methods in Engineering</i> , 2021, 28, 4655-4686.	10.2	12
10	Predicting shear failure in reinforced concrete members using a three-dimensional peridynamic framework. <i>Computers and Structures</i> , 2022, 258, 106682.	4.4	12
11	Crack identification in magneto-electroelastic materials using neural networks, self-organizing algorithms and boundary element method. <i>Computers and Structures</i> , 2013, 125, 187-199.	4.4	9
12	An examination of the size effect in quasi-brittle materials using a bond-based peridynamic model. <i>Engineering Structures</i> , 2022, 262, 114207.	5.3	9
13	Damage identification in multifield materials using neural networks. <i>Inverse Problems in Science and Engineering</i> , 2013, 21, 929-944.	1.2	6
14	Influence of the Main Contact Parameters in Finite Element Analysis of Elastic Bodies in Contact. <i>Key Engineering Materials</i> , 0, 681, 214-227.	0.4	1
15	A fast and non-degenerate scheme for the evaluation of the 3D fundamental solution and its derivatives for fully anisotropic magneto-electro-elastic materials. <i>Engineering Analysis With Boundary Elements</i> , 2019, 105, 94-103.	3.7	1