

# Stefanos-Aldo Papanicolopoulos

## List of Publications by Year in descending order

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27  
papers

591  
citations

840585

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677027

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g-index

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28  
times ranked

454  
citing authors

#	ARTICLE	IF	CITATIONS
1	Contact orientation distributions for visualisation of granular fabric. <i>Granular Matter</i> , 2022, 24, 1.	1.1	1
2	Influence of various DEM shape representation methods on packing and shearing of granular assemblies. <i>Granular Matter</i> , 2021, 23, 1.	1.1	19
3	Post-processing and visualization of large-scale DEM simulation data with the open-source VLaSSCo platform. <i>Simulation</i> , 2020, 96, 567-581.	1.1	0
4	A novel efficient mixed formulation for strain- $\epsilon$ -gradient models. <i>International Journal for Numerical Methods in Engineering</i> , 2019, 117, 926-937.	1.5	8
5	Effect of particle morphology and contacts on particle breakage in a granular assembly studied using X-ray tomography. <i>Granular Matter</i> , 2019, 21, 1.	1.1	61
6	DEM study of mechanical characteristics of multi-spherical and superquadric particles at micro and macro scales. <i>Powder Technology</i> , 2018, 329, 288-303.	2.1	94
7	Evolution of deformation and breakage in sand studied using X-ray tomography. <i>Geotechnique</i> , 2018, 68, 107-117.	2.2	58
8	Comparison of multi-sphere and superquadric particle representation for modelling shearing and flow characteristics of granular assemblies. <i>EPJ Web of Conferences</i> , 2017, 140, 06015.	0.1	10
9	Evolution of particle breakage studied using x-ray tomography and the discrete element method. <i>EPJ Web of Conferences</i> , 2017, 140, 07013.	0.1	10
10	Review and Comparison of Numerical Implementations for Cosserat Plasticity. <i>Springer Series in Geomechanics and Geoengineering</i> , 2017, , 225-231.	0.0	0
11	New fully symmetric and rotationally symmetric cubature rules on the triangle using minimal orthonormal bases. <i>Journal of Computational and Applied Mathematics</i> , 2016, 294, 39-48.	1.1	9
12	Efficient computation of cubature rules with application to new asymmetric rules on the triangle. <i>Journal of Computational and Applied Mathematics</i> , 2016, 304, 73-83.	1.1	7
13	Computation of moderate-degree fully-symmetric cubature rules on the triangle using symmetric polynomials and algebraic solving. <i>Computers and Mathematics With Applications</i> , 2015, 69, 650-666.	1.4	13
14	Polynomial C1 shape functions on the triangle. <i>Computers and Structures</i> , 2013, 118, 53-58.	2.4	6
15	A method for creating a class of triangular $C^1$ finite elements. <i>International Journal for Numerical Methods in Engineering</i> , 2012, 89, 1437-1450.	1.5	14
16	Chirality in isotropic linear gradient elasticity. <i>International Journal of Solids and Structures</i> , 2011, 48, 745-752.	1.3	44
17	Sliding and rolling dissipation in Cosserat plasticity. <i>Granular Matter</i> , 2011, 13, 197-204.	1.1	27
18	Continua with microstructure: second-gradient theory. <i>European Journal of Environmental and Civil Engineering</i> , 2010, 14, 1031-1050.	1.0	3

#	ARTICLE	IF	CITATIONS
19	Numerical solution of crack problems in gradient elasticity. Proceedings of the Institution of Civil Engineers: Engineering and Computational Mechanics, 2010, 163, 73-82.	0.4	4
20	Discretization of Gradient Elasticity Problems Using C 1 Finite Elements. Advances in Mechanics and Mathematics, 2010, , 269-277.	0.2	3
21	A three-dimensional $C^1$ finite element for gradient elasticity. International Journal for Numerical Methods in Engineering, 2009, 77, 1396-1415.	1.5	95
22	The Pull-Out Problem in Restoring Marble Fragments: A Design Criterion Based on Experimental Results. Strain, 2009, 45, 433-444.	1.4	6
23	Two Finite-Element Discretizations for Gradient Elasticity. Journal of Engineering Mechanics - ASCE, 2009, 135, 203-213.	1.6	85
24	Restoring Marble Fragments: the Pull-Out Problem. , 2007, , 949-950.		0
25	The Mechanical Strength of Intestinal Anastomoses in Hypothyroid Rats. , 2007, , 81-82.		0
26	Mechanical Behaviour and Properties. , 2006, , 71-92.		3
27	Indentation method for damage diagnosis of natural building stones. , 2004, , 263-275.		0