

Kenji Oguni

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

362
citations

933447

10
h-index

794594

19
g-index

46
all docs

46
docs citations

46
times ranked

168
citing authors

#	ARTICLE	IF	CITATIONS
1	Proposal of FEM implemented with particle discretization for analysis of failure phenomena. Journal of the Mechanics and Physics of Solids, 2005, 53, 681-703.	4.8	82
2	Numerical analysis of growing crack problems using particle discretization scheme. International Journal for Numerical Methods in Engineering, 2009, 80, 46-73.	2.8	42
3	Coupling analysis of pattern formation in desiccation cracks. Computer Methods in Applied Mechanics and Engineering, 2016, 307, 470-488.	6.6	35
4	Tensor field tomography based on 3D photoelasticity. Mechanics of Materials, 2002, 34, 533-545.	3.2	28
5	Crack propagation analysis using PDS-FEM and comparison with fracture experiment. Mechanics of Materials, 2009, 41, 1242-1252.	3.2	27
6	Analysis on evolution pattern of periodically distributed defects. International Journal of Solids and Structures, 1997, 34, 3259-3272.	2.7	19
7	Modeling and numerical investigations for hierarchical pattern formation in desiccation cracking. Physica D: Nonlinear Phenomena, 2017, 359, 29-38.	2.8	18
8	Quasi-static analysis of strike fault growth in layered media. Geophysical Journal International, 2008, 173, 309-314.	2.4	16
9	Stress field tomography based on 3D photoelasticity. Journal of the Mechanics and Physics of Solids, 2008, 56, 1065-1085.	4.8	15
10	3D dynamic simulation of crack propagation in extracorporeal shock wave lithotripsy. IOP Conference Series: Materials Science and Engineering, 2010, 10, 012120.	0.6	11
11	AGENT SIMULATION FOR PREDICTION OF POST-EARTHQUAKE MASS EVACUATION. Doboku Gakkai Ronbunshuu A, 2008, 64, 1017-1036.	0.3	7
12	Image Analysis of Measuring Building Configuration for Seismic Damage Estimation. Natural Hazards Review, 2013, 14, 1-10.	1.5	6
13	Proposal of finite element analysis method for dielectric breakdown based on Maxwell's equations. Computer Methods in Applied Mechanics and Engineering, 2020, 371, 113295.	6.6	6
14	Simulation of Catastrophic Failure in a Residual Stress Field. Physical Review Letters, 2021, 127, 064301.	7.8	6
15	Wireless Sensor Network for Post-seismic Building-wise Damage Detection. , 2011, , .		5
16	Mathematical model and numerical analysis method for dynamic fracture in a residual stress field. Physical Review E, 2021, 104, 025001.	2.1	5
17	Hierarchical Localization of Sensor Network for Infrastructure Monitoring. Journal of Infrastructure Systems, 2008, 14, 15-26.	1.8	3
18	INTEGRATED SIMULATION FOR EARTHQUAKE HAZARD AND DISASTER PREDICTION. Journal of Earthquake and Tsunami, 2009, 03, 121-141.	1.3	3

#	ARTICLE	IF	CITATIONS
19	A PROPOSAL OF MEASUREMENT AND ANALYSIS METHOD FOR DETECTION OF PLASTIC RESPONSE OF STRUCTURES USING SENSOR NETWORK. Journal of Japan Society of Civil Engineers Ser A2 (Applied) Tj ETQq1 1 0.784314 rg8T /Over		
20	Atomistic to continuum simulations of fracture and damage evolutions in oxide glass and glass-ceramic materials: A critical review. Journal of Non-Crystalline Solids: X, 2022, 15, 100102.	1.2	3
21	Inverse Analysis Method for Photoelastic Measurement of 3D Stress State. Key Engineering Materials, 2004, 261-263, 753-758.	0.4	2
22	DATA CONVERSION FROM GIS TO URBAN AREA MODEL FOR NATURAL DISASTER SIMULATION. Doboku Gakkai Ronbunshuu A, 2010, 66, 1-12.	0.3	2
23	Automatic Detection of Damage Level of Structures under the Severe Earthquake Using Sensor Network. Applied Mechanics and Materials, 2012, 166-169, 2216-2220.	0.2	2
24	Energy-Saving Wireless Sensor Node for Relative Positioning of Densely Deployed GPS Network. Journal of Infrastructure Systems, 2014, 20, 04014003.	1.8	2
25	Automatic Conversion of Visually Consistent Digital Maps to Conforming Geometry for Computational Fluid Dynamics. Journal of Computing in Civil Engineering, 2016, 30, 04015003.	4.7	2
26	Hierarchical Localization Algorithm Based on Inverse Delaunay Tessellation. Lecture Notes in Computer Science, 2006, , 180-195.	1.3	2
27	3D stress field tomography based on photoelasticity. , 2003, , 746-750.		2
28	On the unstable propagation of a phase transition in a solid. Mechanics of Materials, 1995, 21, 313-323.	3.2	1
29	Preliminary Study on Digital Images for Automated Identification of Structural Damages by Edge Detection. Journal of Applied Mechanics, 2007, 10, 1003-1010.	0.1	1
30	MONTE-CARLO SIMULATION OF FAILURE PHENOMENA WITH HETEROGENETY OF MATERIAL. Doboku Gakkai Ronbunshuu A, 2007, 63, 693-703.	0.3	1
31	EXPERIMENTAL AND NUMERICAL STUDIES ON THE CRACK GROWTH UNDER THE QUASI-STATIC LOADING. Doboku Gakkai Ronbunshuu A, 2009, 65, 321-334.	0.3	1
32	Application of a Wireless Sensor Network Technology Based on GPS for Structural Health Monitoring. , 2013, , .		1
33	NUMERICAL ANALYSIS OF PATTERN FORMATION IN DESICCATION CRACK PHENOMENON. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2016, 72, 38-48.	0.1	1
34	Modeling and Simulating Methods for the Desiccation Cracking. International Journal of Computational Methods, 2019, 16, 1840011.	1.3	1
35	Inverse Analysis Method for Identification of Local Elastic Properties by Using Displacement Data. , 2003, , 111-119.		1
36	Foundamental research of failure phenomena with heterogeneity of material. Journal of Applied Mechanics, 2007, 10, 225-230.	0.1	0

#	ARTICLE	IF	CITATIONS
37	On analytic solution of uniaxial extension of elasto-plastic rectangular plate. Mechanics of Materials, 2007, 39, 773-786.	3.2	0
38	Three dimensional photoelasticity with equilibrium constraint. Applied Physics Letters, 2008, 92, 241117.	3.3	0
39	DEVELOPMENT OF HIERARCHICAL SENSOR NETWORK SYSTEM FOR INFRASTRUCTURE MONITORING. Doboku Gakkai Ronbunshuu A, 2008, 64, 82-100.	0.3	0
40	A PROPOSAL OF NUMERICAL ANALYSIS METHOD FOR DYNAMIC CRACK PROPAGATION IN LINEARLY ELASTIC SOLIDS. Journal of Japan Society of Civil Engineers Ser A2 (Applied Mechanics (AM)), 2012, 68, 51-66.	0.1	0
41	Wireless Sensor Network for Automatic Diagnosis of Structural Damage. , 2012, , .		0
42	Behavior of magnetic particles under fluctuating fields considering hysteresis characteristics. Journal of Magnetism and Magnetic Materials, 2013, 335, 36-45.	2.3	0
43	Incremental Approach for Inverse Analysis of 3D Photoelasticity. , 2003, , 315-321.		0
44	MEMS Sensors for Measurement of Structure Seismic Response and Their Application. , 2015, , 1-6.		0
45	MEMS Sensors for Measurement of Structure Seismic Response and Their Application. , 2015, , 1481-1486.		0
46	The computational algorithm and numerical analysis of the signed diagonal Hodge star operator. Transactions of the JSME (in Japanese), 2019, 85, 19-00099-19-00099.	0.2	0