

Dimos A Triantis

List of Publications by Year in descending order

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82
papers

1,387
citations

331670

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377865

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83
docs citations

83
times ranked

915
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative Assessment of Criticality Indices Extracted from Acoustic and Electrical Signals Detected in Marble Specimens. Infrastructures, 2022, 7, 15.	2.8	17
2	Hidden Affinities Between Electric and Acoustic Activities in Brittle Materials at Near-Fracture Load Levels. Rock Mechanics and Rock Engineering, 2022, 55, 1325-1342.	5.4	28
3	Detecting Criticality by Exploring the Acoustic Activity in Terms of the "Natural-Time" Concept. Applied Sciences (Switzerland), 2022, 12, 231.	2.5	8
4	The critical influence of some "tiny" geometrical details on the stress field in a Brazilian Disc with a central notch of finite width and length. Frattura Ed Integrita Strutturale, 2022, 16, 405-422.	0.9	1
5	The determination of mode-I fracture toughness (by means of the Brazilian disc configuration) in the light of data provided by the 3D digital image correlation technique. International Journal of Building Pathology and Adaptation, 2022, ahead-of-print, .	1.3	1
6	Natural time analysis of acoustic emissions before fracture: Results compatible with the Bak-Tang-Wiesenfeld model. Europhysics Letters, 2022, 139, 12004.	2.0	4
7	Electrical Methods for Sensing Damage in Cement Mortar Beams Combined with Acoustic Emissions. Materials, 2022, 15, 4682.	2.9	5
8	Comparative I_b -value and F_a -function analysis of Acoustic Emissions from elementary and structural tests with marble specimens. Material Design and Processing Communications, 2021, 3, e176.	0.9	5
9	Similarity of fluctuations in critical systems: Acoustic emissions observed before fracture. Physica A: Statistical Mechanics and Its Applications, 2021, 566, 125622.	2.6	7
10	Post-COVID-19 Education: A Case of Technology Driven Change?. , 2021, , .		0
11	Preference for Multiple Choice and Constructed Response Exams for Engineering Students with and without Learning Difficulties. , 2021, , .		2
12	Acceptance of Distance Learning during the COVID-19 Movement Restrictions: Does the Year of Studies Matter?. , 2021, , .		2
13	Non-Extensive Statistical Analysis of Acoustic Emissions: The Variability of Entropic Index q during Loading of Brittle Materials Until Fracture. Entropy, 2021, 23, 276.	2.2	2
14	Exploring the acoustic activity in marble specimens under tension while entering into the stage of impending fracture. Procedia Structural Integrity, 2021, 33, 330-336.	0.8	1
15	Assessing the acoustic activity in marble specimens under stepwise compressive loading. Material Design and Processing Communications, 2020, 2, e100.	0.9	5
16	Fracture analysis of typical construction materials in natural time. Physica A: Statistical Mechanics and Its Applications, 2020, 547, 123831.	2.6	19
17	Electric and acoustic activity in notched fiber-reinforced concrete beams under three-point bending. Materials Today: Proceedings, 2020, 32, 148-155.	1.8	5
18	Non-Extensive Statistical Analysis of Acoustic Emissions Recorded in Marble and Cement Mortar Specimens Under Mechanical Load Until Fracture. Entropy, 2020, 22, 1115.	2.2	6

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19	The relaxation processes of Pressure Stimulated Currents under the concept of Non-extensive statistical physics. <i>Procedia Structural Integrity</i> , 2020, 26, 277-284.	0.8	6
20	Modelling acoustic and electric signals emitted during structural tests in terms of \log -periodic power-law models. <i>Material Design and Processing Communications</i> , 2020, 2, e134.	0.9	0
21	Monitoring the mechanical response of early aged cement-mortar specimens using the Pressure Stimulated Currents technique. <i>Procedia Structural Integrity</i> , 2020, 28, 502-510.	0.8	4
22	Non-extensive statistical analysis of acoustic emissions series recorded during the uniaxial compression of brittle rocks. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2019, 528, 121498.	2.6	11
23	Marble epistyles under shear: An experimental study of the role of "Relieving Space". <i>Frontiers of Structural and Civil Engineering</i> , 2019, 13, 767-786.	2.9	11
24	Fracture precursor phenomena in marble specimens under uniaxial compression by means of Acoustic Emission data. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 537-547.	0.9	6
25	Damage evolution in marble under uniaxial compression monitored by Pressure Stimulated Currents and Acoustic Emissions. <i>Frattura Ed Integrita Strutturale</i> , 2019, 13, 573-583.	0.9	5
26	Notched marble plates under direct tension: Mechanical response and fracture. <i>Construction and Building Materials</i> , 2018, 167, 426-439.	7.2	18
27	Notched marble plates under tension: Detecting prefailure indicators and predicting entrance to the "critical stage". <i>Fatigue and Fracture of Engineering Materials and Structures</i> , 2018, 41, 776-786.	3.4	25
28	An Alternative Approach for Representing the Data Provided by the Acoustic Emission Technique. <i>Rock Mechanics and Rock Engineering</i> , 2018, 51, 2433-2438.	5.4	70
29	Acoustic emission monitoring of marble specimens under uniaxial compression. Precursor phenomena in the near-failure phase. <i>Procedia Structural Integrity</i> , 2018, 10, 11-17.	0.8	14
30	Complexity in Laboratory Seismology. , 2018, , 239-273.		17
31	Correlation of pressure stimulated currents and acoustic emissions during 3PB of cement-mortar beams and the role of loading rate. <i>Procedia Structural Integrity</i> , 2017, 3, 346-353.	0.8	8
32	Correlation between the electric and acoustic signals emitted during compression of brittle materials. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 41-51.	0.9	21
33	Acoustic Emissions versus Pressure Stimulated Currents during bending of restored marble epistyles: Preliminary results. <i>Frattura Ed Integrita Strutturale</i> , 2017, 11, 536-551.	0.9	2
34	Acoustic Emission Analysis of Cement Mortar Specimens During Three Point Bending Tests. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 2283-2297.	1.0	26
35	Carbon nanotube reinforced mortar as a sensor to monitor the structural integrity of restored marble epistyles under shear. <i>Procedia Structural Integrity</i> , 2016, 2, 2833-2840.	0.8	7
36	Pull-out of threaded reinforcing bars from marble blocks. <i>Procedia Structural Integrity</i> , 2016, 2, 2865-2872.	0.8	7

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37	Paired Multiple Choice Questionnaires. Advances in Educational Technologies and Instructional Design Book Series, 2016, , 673-697.	0.2	0
38	Natural Time Analysis of Acoustic Emissions in Double Edge Notched Tension (DENT) Marble Specimens. Procedia Engineering, 2015, 109, 248-256.	1.2	12
39	Innovative Experimental Techniques in the Service of Restoration of Stone Monuments - Part II: Marble Epistyles under Shear. Procedia Engineering, 2015, 109, 276-284.	1.2	11
40	Innovative Experimental Techniques in the Service of Restoration of Stone Monuments - Part I: the Experimental Set up. Procedia Engineering, 2015, 109, 268-275.	1.2	8
41	Predicting fracture of mortar beams under three-point bending using non-extensive statistical modeling of electric emissions. Physica A: Statistical Mechanics and Its Applications, 2015, 419, 603-611.	2.6	23
42	Non-destructive assessment of the three-point-bending strength of mortar beams using radial basis function neural networks. Computers and Concrete, 2015, 16, 919-932.	0.7	3
43	The Use of PSC Technique to Estimate the Damage Extension During Three Point Bending Test. Advanced Structured Materials, 2015, , 363-372.	0.5	0
44	Refractive, dispersive and thermo-optic properties of twelve organic solvents in the visible and near-infrared. Applied Physics B: Lasers and Optics, 2014, 116, 617-622.	2.2	142
45	Large Earthquake Occurrence Estimation Based on Radial Basis Function Neural Networks. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 5443-5453.	6.3	40
46	Electrical characterization of polymer matrix TiO_2 filler composites through isothermal polarization / depolarization currents and V tests. Open Physics, 2014, 12, .	1.7	0
47	Complex electrical conductivity measurements of a KTB amphibolite sample at elevated temperatures. Materials Chemistry and Physics, 2013, 139, 169-175.	4.0	12
48	A comparative study on the use of the extended-Cauchy dispersion equation for fitting refractive index data in crystals. Optical and Quantum Electronics, 2013, 45, 837-859.	3.3	6
49	Electrical and Acoustic Emissions in cement mortar beams subjected to mechanical loading up to fracture. Engineering Failure Analysis, 2013, 35, 454-461.	4.0	38
50	A non-extensive view of the Pressure Stimulated Current relaxation during repeated abrupt uniaxial load-unload in rock samples. Europhysics Letters, 2013, 104, 68002.	2.0	16
51	Nondestructive Testing Electrical Methods for Sensing Damages in Cement Mortar Beams. Open Journal of Applied Sciences, 2013, 03, 50-55.	0.4	5
52	Is pressure stimulated current relaxation in amphibolite a case of non-extensivity?. Europhysics Letters, 2012, 99, 18006.	2.0	25
53	An adaptive soft-sensor for non-destructive cement-based material testing, through the use of RBF networks. , 2012, , .		0
54	Pressure stimulated electrical emissions from cement mortar used as failure predictors. International Journal of Fracture, 2012, 175, 53-61.	2.2	46

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55	A neural network approach for compressive strength prediction in cement-based materials through the study of pressure-stimulated electrical signals. <i>Construction and Building Materials</i> , 2012, 30, 294-300.	7.2	35
56	A neural network approach for the prediction of the refractive index based on experimental data. <i>Journal of Materials Science</i> , 2012, 47, 883-891.	3.7	12
57	Enhancing Electronic Examinations through Advanced Multiple-Choice Questionnaires. , 2012, , 178-198.		2
58	Relaxation phenomena of electrical signal emissions from rock following application of abrupt mechanical stress. <i>Annals of Geophysics</i> , 2012, 55, .	1.0	6
59	WSN Open Source Development Platform: Application to Green Learning. <i>Procedia Engineering</i> , 2011, 25, 1049-1052.	1.2	7
60	Comparison of oral examination and electronic examination using paired multiple-choice questions. <i>Computers and Education</i> , 2011, 56, 616-624.	8.3	23
61	Temperature-dependent visible to near-infrared optical properties of 8 mol% Mg-doped lithium tantalate. <i>Optical Materials Express</i> , 2011, 1, 458.	3.0	30
62	Interface states and MWS polarization contributions to the dielectric response of low voltage ZnO varistor. <i>Ceramics International</i> , 2011, 37, 207-214.	4.8	25
63	Non-destructive evaluation of cement-based materials from pressure-stimulated electrical emission "Preliminary results. <i>Construction and Building Materials</i> , 2011, 25, 1980-1990.	7.2	61
64	Temperature-dependent refractive index of potassium acid phthalate (KAP) in the visible and near-infrared. <i>Optical Materials</i> , 2011, 33, 812-816.	3.6	6
65	Non-extensivity of the isothermal depolarization relaxation currents in uniaxial compressed rocks. <i>Europhysics Letters</i> , 2011, 94, 68008.	2.0	36
66	Study of Weak Electric Current Emissions on Cement Mortar under Uniaxial Compressional Mechanical Stress up to the Vicinity of Fracture. <i>Strojniski Vestnik/Journal of Mechanical Engineering</i> , 2011, 2011, 237-244.	1.1	4
67	Thermally activated conduction mechanisms in Silicon Nitride MIS structures. <i>Thin Solid Films</i> , 2010, 518, 2357-2360.	1.8	4
68	Comparison of examination methods based on multiple-choice questions and constructed-response questions using personal computers. <i>Computers and Education</i> , 2010, 54, 455-461.	8.3	29
69	Low Temperature Dielectric Relaxations in ZnO Varistor. <i>Japanese Journal of Applied Physics</i> , 2010, 49, 051102.	1.5	9
70	Probing the microstructure of cement mortars through dielectric parameters' variation. <i>Journal of Physics and Chemistry of Solids</i> , 2009, 70, 576-583.	4.0	18
71	Modelling of electric signals stimulated by bending of rock beams. <i>International Journal of Microstructure and Materials Properties</i> , 2009, 4, 5.	0.1	5
72	Scaling in Pressure Stimulated Currents related with rock fracture. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2008, 387, 4940-4946.	2.6	38

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73	Dielectric properties of non-swelling bentonite: The effect of temperature and water saturation. Journal of Non-Crystalline Solids, 2008, 354, 5533-5541.	3.1	25
74	Load balancing incoming IP requests across a farm of clustered MySQL servers. , 2007, , .		0
75	Computer as a Tool in Teaching, Examining and Assessing Electronic Engineering Students. , 2007, , .		7
76	A Physical Access Control System that utilizes existing networking and computer infrastructure. , 2007, , .		3
77	Dielectric and conductivity measurements as proxy method to monitor contamination in sandstone. Journal of Hazardous Materials, 2007, 142, 520-525.	12.4	36
78	Biomonitoring of Environmental Pollution Using Dielectric Properties of Tree Leaves. Environmental Monitoring and Assessment, 2007, 133, 69-78.	2.7	34
79	Using New Technologies for Teaching Power Electronics and Assessing Students. , 2006, , .		6
80	An analysis of pressure stimulated currents (PSC), in marble samples under mechanical stress. Physics and Chemistry of the Earth, 2006, 31, 234-239.	2.9	60
81	Electric earthquake precursors: from laboratory results to field observations. Physics and Chemistry of the Earth, 2004, 29, 339-351.	2.9	93
82	An investigation of the imaging characteristics of the Y2O2S:Eu3+ phosphor for application in X-ray detectors of Digital Mammography. Applied Radiation and Isotopes, 1998, 49, 931-937.	1.5	9