

# Tiago Miguel Ferreira

## List of Publications by Year in descending order

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Version: 2024-02-01

104  
papers

1,763  
citations

318942

23  
h-index

371746

37  
g-index

106  
all docs

106  
docs citations

106  
times ranked

1036  
citing authors

#	ARTICLE	IF	CITATIONS
1	Residential Building Models for Seismic Risk Assessment at the Historic Downtown of Mexico City. <i>International Journal of Architectural Heritage</i> , 2022, 16, 988-1005.	1.7	2
2	Combining Structural and Non-structural Risk-reduction Measures to Improve Evacuation Safety in Historical Built Environments. <i>International Journal of Architectural Heritage</i> , 2022, 16, 820-838.	1.7	4
3	Methods, techniques, and tools for assessing the seismic vulnerability of building stocks. , 2022, , 229-247.		0
4	Building survey and characterization techniques at different scales. , 2022, , 1-31.		1
5	Emergency and evacuation management strategies in earthquakes: towards holistic and user-centered methodologies for their design and evaluation. , 2022, , 275-321.		1
6	Assessing and Managing Risk in Historic Urban Areas: Current Trends and Future Research Directions. <i>Frontiers in Earth Science</i> , 2022, 10, .	0.8	8
7	On the Use of Web Mapping Platforms to Support the Seismic Vulnerability Assessment of Old Urban Areas. <i>Remote Sensing</i> , 2022, 14, 1424.	1.8	7
8	Parameter-based seismic vulnerability assessment of Mexican historical buildings: Insights, suitability, and uncertainty treatment. <i>International Journal of Disaster Risk Reduction</i> , 2022, 74, 102909.	1.8	7
9	Exposure and physical vulnerability indicators to assess seismic risk in urban areas: a step towards a multi-hazard risk analysis. <i>Geomatics, Natural Hazards and Risk</i> , 2022, 13, 1154-1177.	2.0	3
10	Urban Seismic Risk Assessment and Damage Estimation: Case of Rif Buildings (North of Morocco). <i>Buildings</i> , 2022, 12, 742.	1.4	0
11	Fire Risk Assessment and Safety Management in Buildings and Urban Spaces – A New Section of Fire Journal. <i>Fire</i> , 2022, 5, 74.	1.2	5
12	Large-scale Vulnerability and Fire Risk Assessment of the Historic Centre of Quito, Ecuador. <i>International Journal of Architectural Heritage</i> , 2021, 15, 1043-1057.	1.7	12
13	Damage scenario-based approach and retrofitting strategies for seismic risk mitigation: an application to the historical Centre of Sant'Antimo (Italy). <i>European Journal of Environmental and Civil Engineering</i> , 2021, 25, 1929-1948.	1.0	39
14	On the suitability of a unified GIS-BIM-HBIM framework for cataloguing and assessing vulnerability in Historic Urban Landscapes: a critical review. <i>International Journal of Geographical Information Science</i> , 2021, 35, 2047-2077.	2.2	19
15	Risk and Resilience in Practice: Cultural Heritage Buildings. <i>International Journal of Architectural Heritage</i> , 2021, 15, 973-975.	1.7	6
16	Seismic fragility assessment of masonry building aggregates: A case study in the old city Centre of Seixal, Portugal. <i>Earthquake Engineering and Structural Dynamics</i> , 2021, 50, 1358-1377.	2.5	26
17	Implementation and validation of an approach for the estimation of the magnitude of historical earthquakes in Azores Islands. <i>International Journal of Disaster Risk Reduction</i> , 2021, 53, 102000.	1.8	1
18	Towards a Semi-Quantitative Approach for Assessing Evacuation Scenarios in the Context of Popocatepetl Volcano, Mexico – The Case of San Pedro Tlalmimilulpan. <i>GeoHazards</i> , 2021, 2, 1-16.	0.8	3

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19	Development of Retrofitting Solutions: Remedial Wall Ties for Masonry Enclosure Brick Walls. Buildings, 2021, 11, 28.	1.4	0
20	Nondestructive testing, assessment, and strengthening for reducing the seismic vulnerability of masonry structures. , 2021, , 123-146.		0
21	Traditional earth construction in Latin America: A review on the construction systems and reinforcement strategies. , 2021, , 99-121.		8
22	An Improved Seismic Vulnerability Assessment Approach for Historical Urban Centres: The Case Study of Campi Alto di Norcia, Italy. Applied Sciences (Switzerland), 2021, 11, 849.	1.3	14
23	Proposal for a suitable workflow for assessing the seismic vulnerability of historical buildings. Atlixco (Puebla, MÃ©xico) as a case study.. , 2021, , .		4
24	From single- to multi-hazard vulnerability and risk in Historic Urban Areas: a literature review. Natural Hazards, 2021, 108, 93-128.	1.6	25
25	Characterisation of the masonry building stock in Portugal for earthquake risk assessment. Engineering Structures, 2021, 233, 111857.	2.6	11
26	Characterisation of the Historic Urban Landscape through the Aristotelian Four Causes: Towards Comprehensive GIS Databases. Remote Sensing, 2021, 13, 1879.	1.8	5
27	Seismic Vulnerability Assessment of Portuguese Adobe Buildings. Buildings, 2021, 11, 200.	1.4	4
28	Post-earthquake fire risk assessment of historic urban areas: A scenario-based analysis applied to the Historic City Centre of Leiria, Portugal. International Journal of Disaster Risk Reduction, 2021, 60, 102287.	1.8	11
29	On the potential of using the Mexican National Catalogue of Historical Monuments for assessing the seismic vulnerability of existing buildings: a proof-of-concept study. Bulletin of Earthquake Engineering, 2021, 19, 4945-4978.	2.3	8
30	Numerical simulations of derived URM-RC buildings: Assessment of strengthening interventions with RC. Journal of Building Engineering, 2021, 40, 102304.	1.6	0
31	Geometrical, constructive, and mechanical characterization of the traditional masonry buildings in the historic city center of Leiria, Portugal. , 2021, , 147-174.		0
32	ReduÃ§Ã£o do risco de desastre em Ã¡reas urbanas: revisÃ£o conceptual e aplicaÃ§Ã£o. , 2021, , 311-321.		0
33	In-Situ Experimental Assessment and Numerical Analysis of the Loading Capacity of Traditional Wooden Floors. International Journal of Architectural Heritage, 2020, 14, 1284-1295.	1.7	2
34	GeoHazards: A New Interdisciplinary Journal Devoted to the Study of Geomorphological Hazards. GeoHazards, 2020, 1, 1-2.	0.8	1
35	Seismic performance-based assessment of urban cultural heritage assets through different macroelement approaches. Journal of Building Engineering, 2020, 29, 101083.	1.6	7
36	Seismic damage scenarios for the Historic City Center of Leiria, Portugal: Analysis of the impact of different seismic retrofitting strategies on emergency planning. International Journal of Disaster Risk Reduction, 2020, 44, 101432.	1.8	20

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37	Integrating human behaviour and building vulnerability for the assessment and mitigation of seismic risk in historic centres: Proposal of a holistic human-centred simulation-based approach. <i>International Journal of Disaster Risk Reduction</i> , 2020, 43, 101392.	1.8	18
38	Recent Advances in the Assessment of Flood Risk in Urban Areas. <i>Water (Switzerland)</i> , 2020, 12, 1865.	1.2	1
39	An Integrated Approach for Assessing Flood Risk in Historic City Centres. <i>Water (Switzerland)</i> , 2020, 12, 1648.	1.2	30
40	Assessing and mitigating vulnerability and fire risk in historic centres: A cost-benefit analysis. <i>Journal of Cultural Heritage</i> , 2020, 45, 279-290.	1.5	19
41	Seismic Vulnerability Assessment of Historic Constructions in the Downtown of Mexico City. <i>Sustainability</i> , 2020, 12, 1276.	1.6	25
42	Displacement-based seismic performance evaluation and vulnerability assessment of buildings: The N2 method revisited. <i>Structures</i> , 2020, 24, 41-49.	1.7	8
43	Assessment and mitigation of seismic risk at the urban scale: an application to the historic city center of Leiria, Portugal. <i>Bulletin of Earthquake Engineering</i> , 2020, 18, 2607-2634.	2.3	24
44	Cost-benefit analysis of traditional seismic retrofitting strategies integrated in the renovation of stone masonry buildings. <i>Engineering Structures</i> , 2020, 206, 110050.	2.6	10
45	Seismic Vulnerability Assessment of Existing Reinforced Concrete Buildings in Urban Centers. <i>Sustainability</i> , 2020, 12, 1996.	1.6	16
46	Casting a new light on the seismic risk assessment of stone masonry buildings located within historic centres. <i>Structures</i> , 2020, 25, 578-592.	1.7	7
47	The use of Artificial Neural Networks to estimate seismic damage and derive vulnerability functions for traditional masonry. <i>Frontiers of Structural and Civil Engineering</i> , 2020, 14, 609-622.	1.2	20
48	Editorial: Recent developments with a view to the future. <i>Conservar Património</i> , 2020, 35, 8-9.	0.5	1
49	Buckling Uncertainty Analysis for Steel Pipelines Buried in Elastic Soil Using FOSM and MCS Methods. <i>International Journal of Steel Structures</i> , 2019, 19, 381-397.	0.6	7
50	Use of post-earthquake damage data to calibrate, validate and compare two seismic vulnerability assessment methods for vernacular architecture. <i>International Journal of Disaster Risk Reduction</i> , 2019, 39, 101242.	1.8	21
51	Nonlinear Dynamic Analysis for Safety Assessment of Heritage Buildings: Church of Santa Maria de Belã. <i>Journal of Structural Engineering</i> , 2019, 145, 04019153.	1.7	6
52	Reducing the Seismic Vulnerability of Existing Buildings: Assessment and Retrofit. <i>Buildings</i> , 2019, 9, 148.	1.4	3
53	Intervened URM buildings with RC elements: typological characterisation and associated challenges. <i>Bulletin of Earthquake Engineering</i> , 2019, 17, 4987-5019.	2.3	10
54	Notre Dame Cathedral: Another Case in a Growing List of Heritage Landmarks Destroyed by Fire. <i>Fire</i> , 2019, 2, 20.	1.2	24

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55	Disaster Risk Reduction and Urban Resilience: Concepts, Methods and Applications. , 2019, , 453-473.		6
56	The seismic performance-based assessment of a masonry building enclosed in aggregate in Faro (Portugal) by means of a new target structural unit approach. Engineering Structures, 2019, 191, 386-400.	2.6	16
57	Multiscale Seismic Vulnerability Assessment and Retrofit of Existing Masonry Buildings. Buildings, 2019, 9, 91.	1.4	51
58	Natural Hazards Challenges to Civil Engineering. Advances in Civil Engineering, 2019, 2019, 1-2.	0.4	0
59	Mechanical and Typological Characterization of Traditional Stone Masonry Walls in Old Urban Centres: A Case Study in Viseu, Portugal. Buildings, 2019, 9, 18.	1.4	9
60	Is the use of traditional seismic strengthening strategies economically attractive in the renovation of urban cultural heritage assets in Portugal?. Bulletin of Earthquake Engineering, 2019, 17, 2307-2330.	2.3	6
61	A simplified approach for flood vulnerability assessment of historic sites. Natural Hazards, 2019, 96, 713-730.	1.6	57
62	Assessing Vulnerability and Fire Risk in Old Urban Areas: Application to the Historical Centre of Guimarães. Fire Technology, 2019, 55, 105-127.	1.5	48
63	A estabilidade estrutural e a vulnerabilidade dos edifícios em centros históricos face ao risco sísmico. Estudos Cindânicos, 2019, , 67-102.	0.1	0
64	Editorial: New challenges for Conservar Património. Conservar Património, 2019, 32, 6-7.	0.5	2
65	A systematic review of Prefabricated Enclosure Wall Panel Systems: Focus on technology driven for performance requirements. Sustainable Cities and Society, 2018, 40, 688-703.	5.1	21
66	A critical discussion on the earthquake risk mitigation of urban cultural heritage assets. International Journal of Disaster Risk Reduction, 2018, 27, 239-247.	1.8	77
67	Seismic risk assessment of the historical urban areas of Annaba city, Algeria. International Journal of Architectural Heritage, 2018, 12, 47-62.	1.7	12
68	Cultural Heritage Monuments and Historical Buildings: Conservation Works and Structural Retrofitting. Building Pathology and Rehabilitation, 2018, , 25-57.	0.1	10
69	Investigation Techniques for the Seismic Response Assessment of Buildings Located in Historical Centers. International Journal of Architectural Heritage, 2018, 12, 1245-1258.	1.7	7
70	The Use of a Large-Scale Seismic Vulnerability Assessment Approach for Masonry Façade Walls as an Effective Tool for Evaluating, Managing and Mitigating Seismic Risk in Historical Centers. International Journal of Architectural Heritage, 2018, 12, 1259-1275.	1.7	40
71	The safeguarding and preservation of the Built Heritage in old urban centres: a reflection on traditional stone masonry buildings' structural rehabilitation. Conservar Património, 2018, 29, 51-62.	0.5	2
72	Evaluación de riesgo de incendio urbano en el centro histórico de la ciudad de Guimarães. Informes De La Construccion, 2018, 70, 262.	0.1	6

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73	O papel da perceção e comunicação na mitigação do risco de terramoto. Territorium: Revista Portuguesa De Riscos, Prevenção E Segurança, 2018, , 69-78.	0.1	1
74	Estratégias de gestão e mitigação do risco sísmico: da avaliação ao planeamento de emergência. Estudos Cívicos, 2018, , 11-50.	0.1	0
75	Analysis of the impact of large scale seismic retrofitting strategies through the application of a vulnerability-based approach on traditional masonry buildings. Earthquake Engineering and Engineering Vibration, 2017, 16, 329-348.	1.1	48
76	Seismic vulnerability assessment of the old city centre of Horta, Azores: calibration and application of a seismic vulnerability index method. Bulletin of Earthquake Engineering, 2017, 15, 2879-2899.	2.3	71
77	The seismic performance of stone masonry buildings in Faial island and the relevance of implementing effective seismic strengthening policies. Engineering Structures, 2017, 141, 41-58.	2.6	29
78	Seismic vulnerability assessment of stone masonry facade walls: Calibration using fragility-based results and observed damage. Soil Dynamics and Earthquake Engineering, 2017, 103, 21-37.	1.9	36
79	Urban fire risk: Evaluation and emergency planning. Journal of Cultural Heritage, 2016, 20, 739-745.	1.5	55
80	<i>In situ</i> Out-of-Plane Cyclic Testing of Original and Strengthened Traditional Stone Masonry Walls Using Airbags. Journal of Earthquake Engineering, 2016, 20, 749-772.	1.4	16
81	EARTHQUAKE RISK MITIGATION: THE IMPACT OF SEISMIC RETROFITTING STRATEGIES ON URBAN RESILIENCE. International Journal of Strategic Property Management, 2016, 20, 291-304.	0.8	7
82	STRUCTURAL AND ARCHITECTURAL CHARACTERISATION OF OLD BUILDING STOCKS: CASE STUDY OF THE OLD CITY CENTRE OF SEIXAL, PORTUGAL, REBUILT AFTER THE GREAT 1755 LISBON EARTHQUAKE. Engineering Structures and Technologies, 2016, 7, 126-139.	0.2	2
83	Seismic vulnerability assessment of historical urban centres: case study of the old city centre of Faro, Portugal. Journal of Risk Research, 2016, 19, 551-580.	1.4	65
84	Analysis of the Out-Of-Plane Seismic Behavior of Unreinforced Masonry: A Literature Review. International Journal of Architectural Heritage, 2015, 9, 949-972.	1.7	73
85	In Situ Flat-Jack Testing of Traditional Masonry Walls: Case Study of the Old City Center of Coimbra, Portugal. International Journal of Architectural Heritage, 2015, 9, 794-810.	1.7	19
86	Seismic vulnerability assessment of historical masonry buildings located in Annaba city (Algeria) using non ad-hoc data survey. Bulletin of Earthquake Engineering, 2015, 13, 2283-2307.	2.3	35
87	Experimental characterization of the out-of-plane performance of regular stone masonry walls, including test setups and axial load influence. Bulletin of Earthquake Engineering, 2015, 13, 2667-2692.	2.3	31
88	Supporting urban regeneration and building refurbishment. Strategies for building appraisal and inspection of old building stock in city centres. Journal of Cultural Heritage, 2015, 16, 1-14.	1.5	52
89	A simplified four-branch model for the analytical study of the out-of-plane performance of regular stone URM walls. Engineering Structures, 2015, 83, 140-153.	2.6	32
90	Mitigação do risco sísmico de núcleos urbanos antigos: caracterização e avaliação da vulnerabilidade sísmica do bairro ribeirinho de Faro. Territorium: Revista Portuguesa De Riscos, Prevenção E Segurança, 2015, , 283-290.	0.1	1

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91	Seismic Risk at the Urban Scale: Assessment, Mapping and Planning. <i>Procedia Economics and Finance</i> , 2014, 18, 71-80.	0.6	25
92	Awareness, Perception and Communication of Earthquake Risk in Portugal: Public Survey. <i>Procedia Economics and Finance</i> , 2014, 18, 271-278.	0.6	26
93	Seismic Vulnerability and Risk Assessment of Historic Masonry Buildings. <i>Building Pathology and Rehabilitation</i> , 2014, , 307-348.	0.1	20
94	Seismic vulnerability assessment of masonry facade walls: development, application and validation of a new scoring method. <i>Structural Engineering and Mechanics</i> , 2014, 50, 541-561.	1.0	47
95	Building typologies identification to support risk mitigation at the urban scale – Case study of the old city centre of Seixal, Portugal. <i>Journal of Cultural Heritage</i> , 2013, 14, 449-463.	1.5	66
96	Seismic vulnerability assessment of historical urban centres: case study of the old city centre in Seixal, Portugal. <i>Bulletin of Earthquake Engineering</i> , 2013, 11, 1753-1773.	2.3	111
97	2020: heritage, the pandemic and the journal. <i>Conservar Património</i> , 0, , 8-11.	0.5	1
98	Conservar Património, a consolidation process. <i>Conservar Património</i> , 0, , 8-9.	0.5	0
99	Architectonic and constructive characterisation of the old urban centre of Seixal, Portugal. <i>Conservar Património</i> , 0, 17, 21-37.	0.5	5
100	Strategies and inspection processes for the assessment and diagnosis of built heritage. <i>Conservar Património</i> , 0, 18, 21-33.	0.5	1
101	The morphology of old urban centres: architectural and constructive survey of Bairro Ribeirinho of Faro, Portugal. <i>Conservar Património</i> , 0, 21, 5-24.	0.5	3
102	La arquitectura vernácula de Namibia: perspectivas para el desarrollo sostenible de las comunidades locales. <i>Ge-Conservación</i> , 0, 11, 63-70.	0.1	1
103	O papel da vulnerabilidade sísmica na mitigação do risco sísmico de núcleos urbanos antigos. , 0, , 199-203.		0
104	Impacto do risco sísmico na resiliência urbana e nas perdas socioeconómicas. , 0, , 181-219.		0