

# Cristina González-Gaya

## List of Publications by Year in descending order

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Version: 2024-02-01

75  
papers

729  
citations

687335

13  
h-index

642715

23  
g-index

76  
all docs

76  
docs citations

76  
times ranked

628  
citing authors

#	ARTICLE	IF	CITATIONS
1	Methodology to Optimize Quality Costs in Manufacturing Based on Multi-Criteria Analysis and Lean Strategies. Applied Sciences (Switzerland), 2022, 12, 3295.	2.5	4
2	A 5S Lean Strategy for a Sustainable Welding Process. Sustainability, 2022, 14, 6499.	3.2	3
3	Approach and Success in the Management of Peacekeeping Operations (PKOs): Application to Two Case Studies, the UNMISS and MONUSCO Missions of the UN. Sustainability, 2022, 14, 6097.	3.2	0
4	BIM for the Realization of Sustainable Digital Models in a University-Business Collaborative Learning Environment: Assessment of Use and Students' Perception. Buildings, 2022, 12, 971.	3.1	6
5	Properties of Green Mortar Containing Granite Sawmill. Applied Sciences (Switzerland), 2021, 11, 2136.	2.5	1
6	Analysis of BIM Methodology Applied to Practical Cases in the Preservation of Heritage Buildings. Sustainability, 2021, 13, 3129.	3.2	16
7	An Approach to Sustainability Risk Assessment in Industrial Assets. Sustainability, 2021, 13, 6538.	3.2	1
8	Industry 4.0 HUB: A Collaborative Knowledge Transfer Platform for Small and Medium-Sized Enterprises. Applied Sciences (Switzerland), 2021, 11, 5548.	2.5	12
9	Analysis of Stiffness of Clamped Joints versus Bolted Joints in Steel Structures by Means of Accelerometers and Shaking Table Tests. Sensors, 2021, 21, 4778.	3.8	4
10	Conceptual Classification of Leading Indicators for the Dynamic Analysis of Emerging Risks in Integrated Management Systems. Applied Sciences (Switzerland), 2021, 11, 10921.	2.5	1
11	The Transformation Process of the University into a Data Driven Organisation and Advantages It Brings: Qualitative Case Study. Sustainability, 2021, 13, 12611.	3.2	2
12	Study and Application of Industrial Thermal Comfort Parameters by Using Bayesian Inference Techniques. Applied Sciences (Switzerland), 2021, 11, 11979.	2.5	4
13	Analytical Model for the Fatigue Analysis of Steel Joints by Clamps According to the Lever Length. Materials, 2021, 14, 7726.	2.9	4
14	Analysis and Characterization of Risk Methodologies Applied to Industrial Parks. Sustainability, 2020, 12, 7294.	3.2	6
15	Sustainable Ecocements: Chemical and Morphological Analysis of Granite Sawdust Waste as Pozzolan Material. Materials, 2020, 13, 4941.	2.9	8
16	An Experimental Test Proposal to Study Human Behaviour in Fires Using Virtual Environments. Sensors, 2020, 20, 3607.	3.8	11
17	A Comparative Study of the Use of Building Information Modeling in Teaching Engineering Projects. IEEE Access, 2020, 8, 220046-220057.	4.2	6
18	A New Approach to the Consideration and Analysis of Critical Factors in Robotic Machining. Applied Sciences (Switzerland), 2020, 10, 8885.	2.5	4

#	ARTICLE	IF	CITATIONS
19	Industry 4.0 Roadmap: Implementation for Small and Medium-Sized Enterprises. Applied Sciences (Switzerland), 2020, 10, 8566.	2.5	57
20	An Approach to Health and Safety Assessment in Industrial Parks. Sustainability, 2020, 12, 3646.	3.2	6
21	Durability analysis of pozzolanic cements containing recycled track ballast: Sustainability under extreme environmental conditions. Construction and Building Materials, 2020, 242, 117999.	7.2	8
22	Introduction of Building Information Modeling in Industrial Engineering Education: Students's Perception. Applied Sciences (Switzerland), 2019, 9, 3287.	2.5	10
23	Academic Proposal for Heritage Intervention in a BIM Environment for a 19th Century Flour Factory. Applied Sciences (Switzerland), 2019, 9, 4134.	2.5	10
24	Assessment of emerging risk level by occupational exposure to hand-arm vibrations: Approach under uncertainty conditions. Safety Science, 2019, 114, 140-147.	4.9	7
25	Emerging Risk Management in Industry 4.0: An Approach to Improve Organizational and Human Performance in the Complex Systems. Complexity, 2019, 2019, 1-13.	1.6	49
26	Sustainability Assessment of Constructive Solutions for Urban Spain: A Multi-Objective Combinatorial Optimization Problem. Sustainability, 2019, 11, 839.	3.2	6
27	The Contribution of the Segovia Mint Factory to the History of Manufacturing as an Example of Mass Production in the 16th Century. Applied Sciences (Switzerland), 2019, 9, 5349.	2.5	2
28	Analyzing the effective length of I cross-section beams in connections with girder clamps for totally removable, reusable and reconfigurable structures. Procedia Manufacturing, 2019, 41, 90-97.	1.9	3
29	Reusing Discarded Ballast Waste in Ecological Cements. Materials, 2019, 12, 3887.	2.9	7
30	Emerging Risk Management Versus Traditional Risk: Differences and Challenges in the Context of Occupational Health and Safety. , 2019, , .		1
31	Thermal Industrial Comfort Analysis According to Different Regulations. DAAAM International Scientific Book, 2019, , 043-054.	0.1	0
32	Analysis of economic and social costs of adverse events associated with blood transfusions in Spain. Gaceta Sanitaria, 2018, 32, 269-274.	1.5	9
33	Practical methodology for estimating occupational exposure to hand-arm vibrations according to CEN/TR 15350:2013. Safety Science, 2018, 103, 197-206.	4.9	3
34	Predictive Methodology for Dimensional Path Precision in Robotic Machining Operations. IEEE Access, 2018, 6, 49217-49223.	4.2	8
35	Risk Management of Hazardous Materials in Manufacturing Processes: Links and Transitional Spaces between Occupational Accidents and Major Accidents. Materials, 2018, 11, 1915.	2.9	6
36	Economic Analysis of the Reduction of Blood Transfusions during Surgical Procedures While Continuous Hemoglobin Monitoring Is Used. Sensors, 2018, 18, 1367.	3.8	13

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37	Technique to identify and characterize new and emerging risks: A new tool for application in manufacturing processes. <i>Safety Science</i> , 2018, 109, 144-156.	4.9	19
38	Standardized risk assessment techniques: A review in the framework of occupational safety. , 2018, , 2889-2895.		1
39	A Practical Evaluation of a Collaborative Learning Method for Engineering Project Subjects. <i>IEEE Access</i> , 2017, 5, 19363-19372.	4.2	14
40	Approach to identification and characterization of the new and emerging risks associated with Industrial Green Building. <i>Procedia Manufacturing</i> , 2017, 13, 1365-1372.	1.9	2
41	The integral management system 12 bookshelves. <i>Procedia Manufacturing</i> , 2017, 13, 1059-1065.	1.9	0
42	Proposed methodology for the study of the level of emerging risk from exposure to hand-arm vibrations in manufacturing environments. <i>Procedia Manufacturing</i> , 2017, 13, 1373-1380.	1.9	5
43	Environmental Criteria in the Spanish Public Works Procurement Process. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 204.	2.6	31
44	Risk Analysis of a Fuel Storage Terminal Using HAZOP and FTA. <i>International Journal of Environmental Research and Public Health</i> , 2017, 14, 705.	2.6	51
45	Risk assessment of a compound feed process based on HAZOP analysis and linguistic terms. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 44, 44-52.	3.3	24
46	Abnormally Low Tenders in Non-pricing Criteria: the Need for Control. <i>Universal Journal of Management</i> , 2016, 4, 659-669.	0.2	2
47	Classification proposal of metrological techniques in occupational safety and health. <i>Annals of DAAAM &amp; Proceedings</i> , 2016, , 0648-0655.	0.1	2
48	EVALUACIÓN DE FACTORES INFLUYENTES EN UN PUERTO INTELIGENTE CON UN PROCESO ANALÍTICO JERÁRQUICO. <i>Dyna (Spain)</i> , 2016, 91, 498-501.	0.2	4
49	TENDENCIAS ACTUALES EN EL DISEÑO Y LA EJECUCIÓN DE LOS HOSPITALES DE CAMPAÑA. <i>Dyna (Spain)</i> , 2016, 91, 610-612.	0.2	0
50	Current situation of the Mediterranean container ports regarding the operational, energy and environment areas. , 2015, , .		12
51	Strengthening Competencies in Learning of Industrial Safety Focused on Projects. <i>Procedia Engineering</i> , 2015, 132, 183-189.	1.2	1
52	Continuous Hemoglobin Measurement Procedure for More Efficient Blood Transfusion Management and Associated Savings. <i>Procedia Engineering</i> , 2015, 132, 160-166.	1.2	2
53	Metrological Regulations for Quality Control Equipment Calibration in Pharmaceutical Industry. <i>Procedia Engineering</i> , 2015, 132, 811-815.	1.2	1
54	La contratación pública de obras: situación actual y puntos de mejora. <i>Informes De La Construcción</i> , 2015, 67, e058.	0.3	9

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55	A Methodology to Detect the Deviations of the Project's Budget Compared to Market Prices. Universal Journal of Management, 2015, 3, 179-186.	0.2	1
56	Estudio de la Gestión de la Seguridad y Salud en el sector construcción valenciano = Study of Safety and Health Management in the construction sector of Valencia. Anales De Edificación, 2015, 1, 14.	0.1	1
57	A Comparative Study of Classroom and Online Distance Modes of Official Vocational Education and Training. PLoS ONE, 2014, 9, e96052.	2.5	14
58	Influence on Manufactured Products Design of the Processes of Project Management. Materials Science Forum, 2014, 797, 3-8.	0.3	0
59	A direct numerical integration (DNI) method to obtain wall thermal response factors. Energy and Buildings, 2014, 81, 363-370.	6.7	4
60	Methodology for Implementing Document Management Systems to Support ISO 9001:2008 Quality Management Systems. Procedia Engineering, 2013, 63, 29-35.	1.2	21
61	Considerations for the industrial application of structural adhesive joints in the aluminium-composite material bonding. Composites Part B: Engineering, 2013, 44, 417-423.	12.0	119
62	Standardized Models for Project Management Processes to Product Design. Procedia Engineering, 2013, 63, 193-199.	1.2	6
63	Determination of Disproportionate Tenders in Public Procurement. Journal of Investment and Management, 2013, 2, 1.	0.3	13
64	Agile rediscovering values: Similarities to continuous improvement strategies. , 2012, , .		0
65	Metrological management evaluation based on ISO10012: an empirical study in ISO-14001-certified Spanish companies. Energy, 2010, 35, 140-147.	8.8	5
66	Evaluation of Dimensional Measurement Systems Applied to Statistical Control of the Manufacturing Process. , 2009, , .		0
67	Energetic analysis of tube drawing processes with fixed plug by upper bound method. Journal of Materials Processing Technology, 2006, 177, 175-178.	6.3	23
68	Influence of geometrical conditions on central burst appearance in axisymmetrical drawing processes. Journal of Materials Processing Technology, 2006, 177, 304-306.	6.3	10
69	Study of Drawing Processes by Analytical and Finite Element Methods. Materials Science Forum, 2006, 526, 187-192.	0.3	1
70	Analysis of the influence of back-pull in drawing process by the finite element method. Journal of Materials Processing Technology, 2005, 164-165, 1167-1174.	6.3	19
71	Energetic analysis of the drawing process by upper-bound techniques. Journal of Materials Processing Technology, 2004, 155-156, 1220-1226.	6.3	8
72	Parametric classification based on technico-economic approaches to optimize the design and manufacturing of hot forged parts. Journal of Materials Processing Technology, 2004, 150, 223-233.	6.3	1

#	ARTICLE	IF	CITATIONS
73	Análisis comparativo de modelos de bloques rígidos triangulares en el estudio mecánico de procesos de estirado por límite superior. Revista De Metalurgia, 2004, 40, 46-55.	0.5	3
74	Evaluación del grado de adecuación del proceso de forja en caliente para la fabricación de piezas estampadas: criterios de viabilidad y optimización. Revista De Metalurgia, 2000, 36, 366-374.	0.5	1
75	The Holistic Approach of the Industrial Strategies of Continuous Improvement. Key Engineering Materials, 0, 502, 133-138.	0.4	0