

# Juan Manuel Manso Villalalã-n

## List of Publications by Year in descending order

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Version: 2024-02-01

38  
papers

1,907  
citations

361388

20  
h-index

345203

36  
g-index

39  
all docs

39  
docs citations

39  
times ranked

1072  
citing authors

#	ARTICLE	IF	CITATIONS
1	Validation of slag-binder fiber-reinforced self-compacting concrete with slag aggregate under field conditions: Durability and real strength development. <i>Construction and Building Materials</i> , 2022, 320, 126280.	7.2	24
2	Balancing sustainability, workability, and hardened behavior in the mix design of self-compacting concrete. , 2022, , 333-358.		1
3	¿Por qué el efecto del Árido de hormigón reciclado en la resistencia a compresión del hormigón autocompactante no es homogéneo? Una revisión bibliográfica. <i>Informes De La Construcción</i> , 2022, 74, e435.	0.3	1
4	Shrinkage prediction of recycled aggregate structural concrete with alternative binders through partial correction coefficients. <i>Cement and Concrete Composites</i> , 2022, 129, 104506.	10.7	22
5	Deformational behavior of self-compacting concrete containing recycled aggregate, slag cement and green powders under compression and bending: Description and prediction adjustment. <i>Journal of Building Engineering</i> , 2022, 54, 104611.	3.4	7
6	Residual stresses in cold-formed steel members: Review of measurement methods and numerical modelling. <i>Thin-Walled Structures</i> , 2021, 159, 107335.	5.3	26
7	Transport mechanisms as indicators of the durability of precast recycled concrete. <i>Construction and Building Materials</i> , 2021, 269, 121263.	7.2	16
8	Assessment of longitudinal and transversal plastic behavior of recycled aggregate self-compacting concrete: A two-way study. <i>Construction and Building Materials</i> , 2021, 292, 123426.	7.2	28
9	Effect of the maturity of recycled aggregates on the mechanical properties and autogenous and drying shrinkage of high-performance concrete. <i>Construction and Building Materials</i> , 2021, 299, 124001.	7.2	27
10	Bituminous base courses for flexible pavements with steel slags. <i>Transportation Research Procedia</i> , 2021, 58, 83-89.	1.5	1
11	The study of properties and behavior of self compacting concrete containing Electric Arc Furnace Slag (EAFS) as aggregate. <i>Ain Shams Engineering Journal</i> , 2020, 11, 231-243.	6.1	45
12	Effect of fine recycled concrete aggregate on the mechanical behavior of self-compacting concrete. <i>Construction and Building Materials</i> , 2020, 263, 120671.	7.2	71
13	Influence of Recycled Precast Concrete Aggregate on Durability of Concrete's Physical Processes. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 7348.	2.5	11
14	Student Perceptions of Formative Assessment and Cooperative Work on a Technical Engineering Course. <i>Sustainability</i> , 2020, 12, 4569.	3.2	14
15	Self-compacting concrete manufactured with recycled concrete aggregate: An overview. <i>Journal of Cleaner Production</i> , 2020, 262, 121362.	9.3	111
16	Influence of the Production Temperature on the Optimization Process of Asphalt Mixes Prepared with Steel Slag Aggregates Only. <i>Lecture Notes in Civil Engineering</i> , 2020, , 214-223.	0.4	3
17	Application of the hole-drilling method for the evaluation of residual stresses near rounded ends. <i>Journal of Strain Analysis for Engineering Design</i> , 2019, 54, 424-430.	1.8	3
18	Analysis of the Influence of the Thickness and the Hole Radius on the Calibration Coefficients in the Hole-Drilling Method for the Determination of Non-uniform Residual Stresses. <i>Experimental Mechanics</i> , 2019, 59, 79-94.	2.0	10

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19	The influence of recycled aggregates from precast elements on the mechanical properties of structural self-compacting concrete. <i>Construction and Building Materials</i> , 2018, 182, 309-323.	7.2	93
20	EAF slag in asphalt mixes: A brief review of its possible re-use. <i>Resources, Conservation and Recycling</i> , 2017, 120, 176-185.	10.8	144
21	Performance of steel-making slag concrete reinforced with fibers. <i>MATEC Web of Conferences</i> , 2017, 120, 04001.	0.2	4
22	Fiber Reinforced Concrete Manufactured with Electric Arc Furnace Slag. <i>Minerals, Metals and Materials Series</i> , 2017, , 205-213.	0.4	0
23	Central lessons from the historical analysis of 24 reinforced-concrete structures in northern Spain. <i>Journal of Cultural Heritage</i> , 2016, 20, 649-659.	3.3	19
24	Ladle furnace slag in asphalt mixes. <i>Construction and Building Materials</i> , 2016, 122, 488-495.	7.2	63
25	Electric arc furnace slag and its use in hydraulic concrete. <i>Construction and Building Materials</i> , 2015, 90, 68-79.	7.2	155
26	The long-term accelerated expansion of various ladle-furnace basic slags and their soil-stabilization applications. <i>Construction and Building Materials</i> , 2014, 68, 455-464.	7.2	84
27	Durability studies on steelmaking slag concretes. <i>Materials &amp; Design</i> , 2014, 63, 168-176.	5.1	95
28	Recommendations on imperfections in the design of plated structural elements of bridges. <i>Journal of Constructional Steel Research</i> , 2013, 86, 183-194.	3.9	4
29	The use of ladle furnace slag in soil stabilization. <i>Construction and Building Materials</i> , 2013, 40, 126-134.	7.2	127
30	Métodos para la limpieza física, química y biológica de las fábricas de piedra de monumentos históricos. El caso de San Lorenzo del Real de Burgos. <i>Informes De La Construcción</i> , 2013, 65, 367-380.	0.3	2
31	Los sesentidos estéticos del patrimonio: la construcción metálica antes del desarrollo de la soldadura. Ejemplos en Burgos y Palencia (España). <i>Informes De La Construcción</i> , 2012, 64, 457-470.	0.3	1
32	The durability of masonry mortars made with ladle furnace slag. <i>Construction and Building Materials</i> , 2011, 25, 3508-3519.	7.2	49
33	Viscoelastic behavior of a polyester resin concrete reinforced with nonmetallic bars under bending loads. <i>Polymer Composites</i> , 2009, 30, 791-804.	4.6	2
34	Strength and workability of masonry mortars manufactured with ladle furnace slag. <i>Resources, Conservation and Recycling</i> , 2009, 53, 645-651.	10.8	84
35	Fiber-reinforced polymer bars embedded in a resin concrete: Study of both materials and their bond behavior. <i>Polymer Composites</i> , 2006, 27, 315-322.	4.6	20
36	Durability of concrete made with EAF slag as aggregate. <i>Cement and Concrete Composites</i> , 2006, 28, 528-534.	10.7	259

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37	Ladle Furnace Slag in Construction. Journal of Materials in Civil Engineering, 2005, 17, 513-518.	2.9	126
38	Electric Arc Furnace Slag in Concrete. Journal of Materials in Civil Engineering, 2004, 16, 639-645.	2.9	155