

Jose Ramon Jimenez

List of Publications by Year in descending order

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87
papers

3,591
citations

147726

31
h-index

138417

58
g-index

87
all docs

87
docs citations

87
times ranked

2096
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparisons of natural and recycled aggregate concretes prepared with the addition of different mineral admixtures. <i>Cement and Concrete Composites</i> , 2011, 33, 788-795.	4.6	469
2	Limiting properties in the characterisation of mixed recycled aggregates for use in the manufacture of concrete. <i>Construction and Building Materials</i> , 2011, 25, 3950-3955.	3.2	181
3	Influence of water-reducing admixtures on the mechanical performance of recycled concrete. <i>Journal of Cleaner Production</i> , 2013, 59, 93-98.	4.6	173
4	Use of fine recycled aggregates from ceramic waste in masonry mortar manufacturing. <i>Construction and Building Materials</i> , 2013, 40, 679-690.	3.2	158
5	Rheological behaviour of concrete made with fine recycled concrete aggregates " Influence of the superplasticizer. <i>Construction and Building Materials</i> , 2015, 89, 36-47.	3.2	140
6	Utilisation of unbound recycled aggregates from selected CDW in unpaved rural roads. <i>Resources, Conservation and Recycling</i> , 2012, 58, 88-97.	5.3	136
7	Statistical analysis of recycled aggregates derived from different sources for sub-base applications. <i>Construction and Building Materials</i> , 2012, 28, 129-138.	3.2	118
8	Construction of road sections using mixed recycled aggregates treated with cement in Malaga, Spain. <i>Resources, Conservation and Recycling</i> , 2012, 58, 98-106.	5.3	116
9	Maximum feasible use of recycled sand from construction and demolition waste for eco-mortar production " Part-I: ceramic masonry waste. <i>Journal of Cleaner Production</i> , 2015, 87, 692-706.	4.6	116
10	Effect of cement addition on the properties of recycled concretes to reach control concretes strengths. <i>Journal of Cleaner Production</i> , 2014, 79, 124-133.	4.6	91
11	Properties of masonry mortars manufactured with fine recycled concrete aggregates. <i>Construction and Building Materials</i> , 2014, 71, 289-298.	3.2	85
12	Increased Durability of Concrete Made with Fine Recycled Concrete Aggregates Using Superplasticizers. <i>Materials</i> , 2016, 9, 98.	1.3	79
13	Mechanical and durability properties of concretes manufactured with biomass bottom ash and recycled coarse aggregates. <i>Construction and Building Materials</i> , 2014, 72, 231-238.	3.2	72
14	Use of mixed recycled aggregates with a low embodied energy from non-selected CDW in unpaved rural roads. <i>Construction and Building Materials</i> , 2012, 34, 34-43.	3.2	69
15	Characterisation and technical feasibility of using biomass bottom ash for civil infrastructures. <i>Construction and Building Materials</i> , 2014, 58, 234-244.	3.2	69
16	Comparison of batch leaching tests and influence of pH on the release of metals from construction and demolition wastes. <i>Waste Management</i> , 2012, 32, 88-95.	3.7	68
17	Correlation analysis between sulphate content and leaching of sulphates in recycled aggregates from construction and demolition wastes. <i>Waste Management</i> , 2012, 32, 1229-1235.	3.7	67
18	Estudio comparativo de los Áridos reciclados de hormigón y mixtos como material para sub-bases de carreteras. <i>Materiales De Construccion</i> , 2011, 61, 289-302.	0.2	62

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19	Application of cement-treated recycled materials in the construction of a section of road in Malaga, Spain. <i>Construction and Building Materials</i> , 2013, 44, 593-599.	3.2	59
20	Mechanical performance of bedding mortars made with olive biomass bottom ash. <i>Construction and Building Materials</i> , 2016, 112, 699-707.	3.2	59
21	Effects of treatments on biomass bottom ash applied to the manufacture of cement mortars. <i>Journal of Cleaner Production</i> , 2017, 154, 424-435.	4.6	58
22	Analysis of leaching procedures for environmental risk assessment of recycled aggregate use in unpaved roads. <i>Construction and Building Materials</i> , 2013, 40, 1207-1214.	3.2	55
23	The Influence of Heat and Mechanical Treatment of Concrete Rubble on the Properties of Recycled Aggregate Concrete. <i>Materials</i> , 2019, 12, 367.	1.3	53
24	The effect of compaction on the leaching and pollutant emission time of recycled aggregates from construction and demolition waste. <i>Journal of Cleaner Production</i> , 2014, 83, 294-304.	4.6	48
25	Functional and structural parameters of a paved road section constructed with mixed recycled aggregates from non-selected construction and demolition waste with excavation soil. <i>Construction and Building Materials</i> , 2018, 164, 57-69.	3.2	47
26	Mechanical behaviour of self-compacting concrete made with recovery filler from hot-mix asphalt plants. <i>Construction and Building Materials</i> , 2017, 131, 114-128.	3.2	40
27	Accelerated carbonation of fresh cement-based products containing recycled masonry aggregates for CO2 sequestration. <i>Journal of CO2 Utilization</i> , 2021, 46, 101461.	3.3	36
28	The role of pH on leaching of heavy metals and chlorides from electric arc furnace dust in cement-based mortars. <i>Construction and Building Materials</i> , 2018, 183, 365-375.	3.2	35
29	Performance and durability properties of self-compacting mortars with electric arc furnace dust as filler. <i>Journal of Cleaner Production</i> , 2019, 219, 818-832.	4.6	35
30	Effect of moderate temperatures on compressive strength of ultra-high-performance concrete: A microstructural analysis. <i>Cement and Concrete Research</i> , 2021, 140, 106303.	4.6	35
31	Safe use of electric arc furnace dust as secondary raw material in self-compacting mortars production. <i>Journal of Cleaner Production</i> , 2019, 211, 1375-1388.	4.6	32
32	Analysis of chromium and sulphate origins in construction recycled materials based on leaching test results. <i>Waste Management</i> , 2015, 46, 278-286.	3.7	31
33	Experimental study of the mechanical stabilization of electric arc furnace dust using fluid cement mortars. <i>Journal of Hazardous Materials</i> , 2017, 326, 26-35.	6.5	30
34	Risk assessment by percolation leaching tests of extensive green roofs with fine fraction of mixed recycled aggregates from construction and demolition waste. <i>Environmental Science and Pollution Research</i> , 2018, 25, 36024-36034.	2.7	28
35	Performance of self-compacting mortars with granite sludge as aggregate. <i>Construction and Building Materials</i> , 2020, 251, 118998.	3.2	27
36	Properties of Non-Structural Concrete Made with Mixed Recycled Aggregates and Low Cement Content. <i>Materials</i> , 2016, 9, 74.	1.3	26

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37	Feasibility of Using Unbound Mixed Recycled Aggregates from CDW over Expansive Clay Subgrade in Unpaved Rural Roads. <i>Materials</i> , 2016, 9, 931.	1.3	26
38	Reduction of Leaching Impacts by Applying Biomass Bottom Ash and Recycled Mixed Aggregates in Structural Layers of Roads. <i>Materials</i> , 2016, 9, 228.	1.3	24
39	Potential use of modified hydrotalcites as adsorbent of Bentazon and Metazachlor. <i>Applied Clay Science</i> , 2017, 141, 300-307.	2.6	24
40	Geopolymer concrete with treated recycled aggregates: Macro and microstructural behavior. <i>Journal of Building Engineering</i> , 2021, 44, 103317.	1.6	24
41	A proposal for the maximum use of recycled concrete sand in masonry mortar design. <i>Materiales De Construccion</i> , 2016, 66, e075.	0.2	24
42	Recycling screening waste and recycled mixed aggregates from construction and demolition waste in paved bike lanes. <i>Journal of Cleaner Production</i> , 2018, 190, 211-220.	4.6	22
43	Durability of self-compacting concrete made with recovery filler from hot-mix asphalt plants. <i>Construction and Building Materials</i> , 2018, 161, 407-419.	3.2	22
44	Durability of self-compacting concrete made from non-conforming fly ash from coal-fired power plants. <i>Construction and Building Materials</i> , 2018, 189, 993-1006.	3.2	22
45	Mechanical behaviour of self-compacting concrete made with non-conforming fly ash from coal-fired power plants. <i>Construction and Building Materials</i> , 2018, 182, 385-398.	3.2	22
46	Feasibility study of roller compacted concrete with recycled aggregates as base layer for light-traffic roads. <i>Road Materials and Pavement Design</i> , 2020, 21, 276-288.	2.0	21
47	Biomass fly ash and biomass bottom ash. , 2019, , 23-58.		20
48	Use of carbonated water to improve the mechanical properties and reduce the carbon footprint of cement-based materials with recycled aggregates. <i>Journal of CO2 Utilization</i> , 2022, 57, 101886.	3.3	19
49	Improvement of Bearing Capacity in Recycled Aggregates Suitable for Use as Unbound Road Sub-Base. <i>Materials</i> , 2015, 8, 8804-8816.	1.3	18
50	Eco-Efficient Cement-Based Materials Using Biomass Bottom Ash: A Review. <i>Applied Sciences (Switzerland)</i> , 2020, 10, 8026.	1.3	18
51	The combined effect of CO2 and calcined hydrotalcite on one-coat limestone mortar properties. <i>Construction and Building Materials</i> , 2021, 280, 122532.	3.2	17
52	Potential CO2 capture in one-coat limestone mortar modified with Mg3Al(OH)6CO3 calcined hydrotalcites using ultrafast testing technique. <i>Chemical Engineering Journal</i> , 2021, 415, 129077.	6.6	17
53	The Performance of Concrete Made with Secondary Productsâ€”Recycled Coarse Aggregates, Recycled Cement Mortar, and Fly Ashâ€”Slag Mix. <i>Materials</i> , 2022, 15, 1438.	1.3	17
54	Promotion of circular economy: steelwork dusts as secondary raw material in conventional mortars. <i>Environmental Science and Pollution Research</i> , 2020, 27, 89-100.	2.7	15

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55	Mechanical and durability behaviour of self-compacting concretes for application in the manufacture of hazardous waste containers. <i>Construction and Building Materials</i> , 2018, 168, 442-458.	3.2	14
56	Wastes as Aggregates, Binders or Additions in Mortars: Selecting Their Role Based on Characterization. <i>Materials</i> , 2018, 11, 453.	1.3	14
57	A Novel Artificial Neural Network to Predict Compressive Strength of Recycled Aggregate Concrete. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 11077.	1.3	13
58	Recycled aggregates (RAs) for roads. , 2013, , 351-377.		12
59	Combined Effects of Non-Conforming Fly Ash and Recycled Masonry Aggregates on Mortar Properties. <i>Materials</i> , 2016, 9, 729.	1.3	12
60	Construction and demolition waste. , 2019, , 1-22.		11
61	Real-scale study of a heavy traffic road built with in situ recycled demolition waste. <i>Journal of Cleaner Production</i> , 2020, 248, 119219.	4.6	11
62	Effect of reactive magnesium oxide in alkali-activated fly ash mortars exposed to accelerated CO2 curing. <i>Construction and Building Materials</i> , 2022, 342, 127999.	3.2	11
63	Upscaling the Use of Mixed Recycled Aggregates in Non-Structural Low Cement Concrete. <i>Materials</i> , 2016, 9, 91.	1.3	10
64	Catalogue of Pavements with Recycled Aggregates from Construction and Demolition Waste. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	10
65	Self-Compacting Recycled Concrete Using Biomass Bottom Ash. <i>Materials</i> , 2021, 14, 6084.	1.3	10
66	Effect of powdered mixed recycled aggregates on bedding mortar properties. <i>European Journal of Environmental and Civil Engineering</i> , 2016, 20, s1-s17.	1.0	9
67	Feasible use of colliery spoils as subbase layer for low-traffic roads. <i>Construction and Building Materials</i> , 2019, 229, 116910.	3.2	9
68	CO2 adsorption by organohydrotalcites at low temperatures and high pressure. <i>Chemical Engineering Journal</i> , 2022, 431, 134324.	6.6	9
69	A Double Barrier Technique with Hydrotalcites for Pb Immobilisation from Electric Arc Furnace Dust. <i>Materials</i> , 2019, 12, 633.	1.3	8
70	Real-scale applications of recycled aggregate concrete. , 2019, , 573-589.		8
71	Mitigation of CO2 emissions by hydrotalcites of Mg3Al-CO3 at 0°C and high pressure. <i>Applied Clay Science</i> , 2021, 202, 105950.	2.6	7
72	Effect of the Composition of Mixed Recycled Aggregates on Physical-Mechanical Properties. <i>Crystals</i> , 2021, 11, 1518.	1.0	6

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73	Use of Carbonated Water as Kneading in Mortars Made with Recycled Aggregates. <i>Materials</i> , 2022, 15, 4876.	1.3	6
74	Optimisation of mortar with Mg-Al-Hydrotalcite as sustainable management strategy lead waste. <i>Applied Clay Science</i> , 2021, 212, 106218.	2.6	5
75	Complete Real-Scale Application of Recycled Aggregates in a Port Loading Platform in Huelva, Spain. <i>Materials</i> , 2020, 13, 2651.	1.3	4
76	Feasible Use of Recycled Concrete Aggregates with Alumina Waste in Road Construction. <i>Materials</i> , 2021, 14, 1466.	1.3	4
77	Normative review and necessary advances to promote the use of recycled aggregates and by-products in cement-based materials. , 2021, , 735-776.		3
78	Review of the Application of Hydrotalcite as CO2 Sinks for Climate Change Mitigation. <i>ChemEngineering</i> , 2022, 6, 50.	1.0	3
79	Leaching issues in recycled aggregate concrete. , 2019, , 329-356.		2
80	Preliminary Study of Recycled Aggregate Mortar for Electric Arc Furnace Dust Encapsulation. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 9525.	1.3	2
81	Promotion of Circular Economy: Steelwork Dusts as Secondary Raw Material in Conventional Mortars. <i>Proceedings (mdpi)</i> , 2018, 2, .	0.2	1
82	Leaching behaviour of stabilised expansive soil with biomass bottom ashes as eco-agents. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 715-725.	2.9	1
83	Performance of Sustainable Mortars Made with Filler from Different Construction By-Products. <i>Materials</i> , 2022, 15, 2636.	1.3	1
84	A new equation to predict the footings settlement on sand based on the finite element method. <i>Spanish Journal of Agricultural Research</i> , 2012, 10, 967.	0.3	0
85	Regularidad superficial y adherencia en vÃas ciclistas - recomendaciones de diseÃ±o disponibles. <i>Informes De La Construccion</i> , 2015, 67, e124.	0.1	0
86	MOTIVATION OF STUDENTS THROUGH THE GAMIFICATION TECHNIQUE IN THE SUBJECT OF THEORY OF STRUCTURES. <i>INTED Proceedings</i> , 2018, , .	0.0	0
87	Specialized concrete made of processed biomass ash: lightweight, self-compacting, and geopolymeric concrete. , 2022, , 199-239.		0