

# Jorge LuÃ-s Akasaki

## List of Publications by Year in descending order

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Version: 2024-02-01

52  
papers

996  
citations

516215

16  
h-index

433756

31  
g-index

52  
all docs

52  
docs citations

52  
times ranked

901  
citing authors

#	ARTICLE	IF	CITATIONS
1	Use of Slag/Sugar Cane Bagasse Ash (SCBA) Blends in the Production of Alkali-Activated Materials. <i>Materials</i> , 2013, 6, 3108-3127.	1.3	93
2	Mechanical and durability properties of alkali-activated mortar based on sugarcane bagasse ash and blast furnace slag. <i>Ceramics International</i> , 2015, 41, 13012-13024.	2.3	93
3	Assessment of sugar cane straw ash (SCSA) as pozzolanic material in blended Portland cement: Microstructural characterization of pastes and mechanical strength of mortars. <i>Construction and Building Materials</i> , 2015, 94, 670-677.	3.2	77
4	Rice straw ash: A potential pozzolanic supplementary material for cementing systems. <i>Industrial Crops and Products</i> , 2017, 103, 39-50.	2.5	69
5	New use of sugar cane straw ash in alkali-activated materials: A silica source for the preparation of the alkaline activator. <i>Construction and Building Materials</i> , 2018, 171, 611-621.	3.2	57
6	New geopolymeric binder based on fluid catalytic cracking catalyst residue (FCC). <i>Materials Letters</i> , 2012, 80, 50-52.	1.3	54
7	Alkali activated materials based on fluid catalytic cracking catalyst residue (FCC): Influence of SiO <sub>2</sub> /Na <sub>2</sub> O and H <sub>2</sub> O/FCC ratio on mechanical strength and microstructure. <i>Fuel</i> , 2013, 108, 833-839.	3.4	45
8	Study of the binary system fly ash/sugarcane bagasse ash (FA/SCBA) in SiO <sub>2</sub> /K <sub>2</sub> O alkali-activated binders. <i>Fuel</i> , 2016, 174, 307-316.	3.4	44
9	Increasing the sustainability of alkali-activated binders: The use of sugar cane straw ash (SCSA). <i>Construction and Building Materials</i> , 2016, 124, 148-154.	3.2	42
10	Effect of sewage sludge ash on mechanical and microstructural properties of geopolymers based on metakaolin. <i>Construction and Building Materials</i> , 2019, 203, 95-103.	3.2	42
11	Behaviour of metakaolin-based geopolymers incorporating sewage sludge ash (SSA). <i>Materials Letters</i> , 2016, 180, 192-195.	1.3	35
12	Effect of sugar cane straw ash (SCSA) as solid precursor and the alkaline activator composition on alkali-activated binders based on blast furnace slag (BFS). <i>Construction and Building Materials</i> , 2017, 144, 214-224.	3.2	34
13	Compressive Strength and Microstructure of Alkali-Activated Blast Furnace Slag/Sewage Sludge Ash (GGBS/SSA) Blends Cured at Room Temperature. <i>Waste and Biomass Valorization</i> , 2017, 8, 1441-1451.	1.8	32
14	Production of bamboo leaf ash by auto-combustion for pozzolanic and sustainable use in cementitious matrices. <i>Construction and Building Materials</i> , 2019, 208, 369-380.	3.2	31
15	Microscopy Characterization of Silica-Rich Agrowastes to be used in Cement Binders: Bamboo and Sugarcane Leaves. <i>Microscopy and Microanalysis</i> , 2015, 21, 1314-1326.	0.2	25
16	New method to assess the pozzolanic reactivity of mineral admixtures by means of pH and electrical conductivity measurements in lime:pozzolan suspensions. <i>Materiales De Construccion</i> , 2014, 64, e032.	0.2	18
17	Influence of PZT insertion on Portland cement curing process and piezoelectric properties of 3 cement-based composites by impedance spectroscopy. <i>Construction and Building Materials</i> , 2020, 238, 117675.	3.2	17
18	Incorporation of PET wastes in rendering mortars based on Portland cement/hydrated lime. <i>Journal of Building Engineering</i> , 2020, 32, 101506.	1.6	17

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19	Valorisation of sugarcane bagasse ash (SCBA) with high quartz content as pozzolanic material in Portland cement mixtures. <i>Materiales De Construccion</i> , 2018, 68, 153.	0.2	17
20	Cinza de casca de arroz (CCA) altamente reativa: m�todo de produ�o e atividade pozol�nica. <i>Ambiente Constru�do</i> , 2012, 12, 151-163.	0.2	15
21	Pozzolanic Reactivity Studies on a Biomass-Derived Waste from Sugar Cane Production: Sugar Cane Straw Ash (SCSA). <i>ACS Sustainable Chemistry and Engineering</i> , 2016, 4, 4273-4279.	3.2	15
22	Performance of mortars produced with the incorporation of sugar cane bagasse ash. <i>Revista Ingenieria De Construccion</i> , 2014, 29, 187-199.	0.4	13
23	Preliminary Studies on the use of Sugar Cane Bagasse Ash (SCBA) in the Manufacture of Alkali Activated Binders. <i>Key Engineering Materials</i> , 0, 600, 689-698.	0.4	12
24	Cinza de baga�o de cana-de-a�car (CBC) como aditivo mineral em concretos para verifica�o de sua durabilidade. <i>Revista Materia</i> , 2015, 20, 909-923.	0.1	10
25	An�lise experimental de blocos intertravados de concreto com aditivo de res�duos do processo de recauchutagem de pneus. <i>Acta Scientiarum - Technology</i> , 2010, 32, .	0.4	7
26	Spent FCC Catalyst for Preparing Alkali-Activated Binders: An Opportunity for a High-Degree Valorization. <i>Key Engineering Materials</i> , 2014, 600, 709-716.	0.4	7
27	&lt;b&gt;Prediction of modulus of elasticity and compressive strength of concrete specimens by means of artificial neural networks. <i>Acta Scientiarum - Technology</i> , 2016, 38, 65.	0.4	7
28	New inorganic binders containing ashes from agricultural wastes. , 2017, , 127-164.		7
29	Effect of wastes from sugar cane industry on the mechanical and hydraulic properties of pervious concrete. <i>Road Materials and Pavement Design</i> , 2022, 23, 1981-1998.	2.0	7
30	Optimum Use of Sugar Cane Straw Ash in Alkali-Activated Binders Based on Blast Furnace Slag. <i>Journal of Materials in Civil Engineering</i> , 2018, 30, 04018084.	1.3	6
31	ESTUDO DE REA�ES EXPANSIVAS EM ARGAMASSAS DE CIMENTO PORTLAND COM CINZA DE CASCA DE ARROZ (CCA). <i>Holos Environment</i> , 2007, 7, 72.	0.1	6
32	An�lise da durabilidade do concreto de alto desempenho com aditivo de cinza de casca de arroz e borracha de pneu. <i>Ambiente Constru�do</i> , 2010, 10, 77-90.	0.2	5
33	Improving the reactivity of a former ground sugarcane bagasse ash produced by autogenous combustion through employment of two different additional grinding procedures. <i>Construction and Building Materials</i> , 2021, 270, 121471.	3.2	5
34	Possibilities of Reusing Sugar Cane Straw Ash in the Production of Alternative Binders. <i>Key Engineering Materials</i> , 0, 668, 304-311.	0.4	4
35	Estudo das propriedades mec�nicas do concreto com aditivo de cinza de casca de arroz. <i>Revista Materia</i> , 2015, 20, 227-238.	0.1	4
36	P� DE PEDRA: UMA ALTERNATIVA OU UM COMPLEMENTO AO USO DA AREIA NA ELABORA�O DE MISTURAS DE CONCRETO?. <i>Holos Environment</i> , 2010, 10, 209.	0.1	4

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37	FABRICAÇÃO DE BLOCOS ESTRUTURAIS DE CONCRETO COM RESÍDUOS DE BORRACHA DE PNEUS. <i>Holos Environment</i> , 2004, 4, 145.	0.1	4
38	Impact strength and abrasion resistance of high strength concrete with rice husk ash and rubber tires. <i>Revista IBRACON De Estruturas E Materiais</i> , 2013, 6, 811-820.	0.3	3
39	Evaluation of the long-term compressive strength development of the sewage sludge ash/metakaolin-based geopolymer. <i>Materiales De Construccion</i> , 2021, 71, e254.	0.2	3
40	Evaluation of the Pozzolanic Activity of Uncontrolled-Combusted Sewage Sludge Ash. <i>Journal of Materials in Civil Engineering</i> , 2021, 33, .	1.3	2
41	Análisis de vigas de hormigón con refuerzo adicional a la armadura de talas de bambú. <i>Revista Ingeniería De Construccion</i> , 2019, 34, 124-135.	0.4	2
42	REAPROVEITAMENTO DA CINZA DE CASCA DE ARROZ NA CONSTRUÇÃO CIVIL. <i>Holos Environment</i> , 2011, 11, 81.	0.1	2
43	Variables Involved in the Planting of Rice in the Rice Husk. <i>Key Engineering Materials</i> , 2012, 517, 430-436.	0.4	1
44	Estudio cualitativo sobre fisuración debida a la reacción Alkali -sílice en el forjado de la represa hidráulica de Jaguari. <i>Revista Ingeniería De Construccion</i> , 2013, 28, 290-299.	0.4	1
45	Effect of Milling Process for Rice Husk Ash on Mechanical Strength of Blended Portland Cement Mortars. <i>Key Engineering Materials</i> , 2014, 600, 240-249.	0.4	1
46	Improvement of Collapsible Soil Behavior of a Lateritic Soil Using Rice Husk Ash. <i>Key Engineering Materials</i> , 2015, 668, 290-296.	0.4	1
47	Study of Timber and Concrete with Rubber Waste Composite Beams Applied to Bridges. <i>Key Engineering Materials</i> , 0, 634, 266-277.	0.4	0
48	Characterization of briquettes produced from eucalyptus wood waste generated in agro-industries. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2021, 25, 794-798.	0.4	0
49	Biomass-Derived from Bamboo Leaf Ash: Pozzolanic Reactivity. , 2018, , .		0
50	Relação da Permeabilidade e Índice de Vazios em Concretos Permeáveis com Resíduo de Polimento de Pisos de Concreto. <i>Brazilian Journal of Development</i> , 2020, 6, 30391-30397.	0.0	0
51	APLICAÇÃO DA METODOLOGIA BIM E DOS PRINCÍPIOS DA CONSTRUÇÃO ENXUTA EM OBRA COMERCIAL. <i>Brazilian Journal of Development</i> , 2020, 6, 60187-60194.	0.0	0
52	ESTUDO RETROFIT APLICADO NO PAVILHÃO PEDAGÓGICO I DO INSTITUTO FEDERAL GOIANO CAMPUS RIO VERDE GO, UTILIZANDO MODELAGEM BIM. <i>Recima21: Revista Científica Multidisciplinar</i> , 2022, 3, e331214.	0.0	0