

# Juan Santa

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

635  
citations

840585

11  
h-index

752573

20  
g-index

24  
all docs

24  
docs citations

24  
times ranked

525  
citing authors

#	ARTICLE	IF	CITATIONS
1	Case study: Understanding the formation of squat-type defects in a metropolitan railway. <i>Engineering Failure Analysis</i> , 2021, 123, 105325.	1.8	7
2	Caracterización morfológica del SARS-CoV-2 mediante microscopía electrónica. <i>Tecnología</i> , 2021, 24, e1675.	0.1	1
3	Modification of ASTM B107 AZ31B magnesium alloy by co-doped TiO2 for applications in biomaterials. <i>Surfaces and Interfaces</i> , 2020, 21, 100623.	1.5	3
4	Wear resistance and hardness of nanostructured hardfacing coatings. <i>DYNA (Colombia)</i> , 2020, 87, 146-154.	0.2	2
5	Evaluation of Mechanical Properties of Composites Manufactured from Recycled Tetra Pak® Containers. <i>Tecnura</i> , 2020, 24, 36-46.	0.1	1
6	Eliminación del color de las soluciones de tinte índigo carmín utilizando fibras fique modificadas con nanopartículas de ZnO. <i>Respuestas</i> , 2020, 25, 147-158.	0.2	2
7	Plantain fibers obtained from pseudostems residues for efficient color degradation of indigo carmine dye. <i>Industrial Crops and Products</i> , 2018, 126, 302-308.	2.5	7
8	Modification of ASTM B107 AZ31 and polypropylene surfaces with TiO2 particles using the dip-coating method. <i>Inge Cuc</i> , 2018, 14, 45-54.	0.2	2
9	Synthesis and characterization of nanofibroin hydrogels from Colombian silkworm Bombyx Mori L.. <i>IFMBE Proceedings</i> , 2017, , 732-736.	0.2	0
10	Natural Fibers from Plantain Pseudostem ( <i>Musa Paradisiaca</i> ) for Use in Fiber-Reinforced Composites. <i>Journal of Natural Fibers</i> , 2017, 14, 678-690.	1.7	33
11	Dry and lubricated wear of rail steel under rolling contact fatigue - Wear mechanisms and crack growth. <i>Wear</i> , 2017, 380-381, 240-250.	1.5	51
12	Titanium dioxide coatings on magnesium alloys for biomaterials: A review. <i>DYNA (Colombia)</i> , 2017, 84, 261-270.	0.2	17
13	Mechanical Characterization of Composites Manufactured by RTM Process: Effect of Fiber Content, Strain Rate and Orientation. <i>Latin American Journal of Solids and Structures</i> , 2016, 13, 344-364.	0.6	10
14	Degradation of Dyes Using Plantain Fibers Modified with Nanoparticles. <i>RILEM Bookseries</i> , 2016, , 99-111.	0.2	1
15	Correlations between rail wear rates and operating conditions in a commercial railroad. <i>Tribology International</i> , 2016, 95, 5-12.	3.0	40
16	Effect of the Number of Welding Repairs with GTAW on the Mechanical Behavior of AA7020 Aluminum Alloy Welded Joints. <i>Metallurgical and Materials Transactions B: Process Metallurgy and Materials Processing Science</i> , 2015, 46, 2332-2339.	1.0	11
17	Field measurement of coefficient of friction in rails using a hand-pushed tribometer. <i>Tribology International</i> , 2015, 82, 274-279.	3.0	20
18	Correlations between wear mechanisms and rail grinding operations in a commercial railroad. <i>Tribology International</i> , 2015, 82, 265-273.	3.0	63

#	ARTICLE	IF	CITATIONS
19	Cavitation and high-velocity slurry erosion resistance of welded Stellite 6 alloy. Tribology International, 2012, 47, 16-24.	3.0	66
20	Cavitation erosion of martensitic and austenitic stainless steel welded coatings. Wear, 2011, 271, 1445-1453.	1.5	80
21	Slurry and cavitation erosion resistance of thermal spray coatings. Wear, 2009, 267, 160-167.	1.5	130
22	Slurry erosion of thermal spray coatings and stainless steels for hydraulic machinery. Wear, 2007, 263, 258-264.	1.5	86
23	Evaluaci3n de la Soldabilidad de Rieles Endurecidos Grado R350HT para la Reparaci3n de Ferrovias con Recargues Superficiales. Soldagem E Inspecao, 0, 25, .	0.6	0
24	Rheological and tribological evaluation of friction modifiers for wheel-rail applications. Lubrication Science, 0, , .	0.9	2