

# Adrián L García-a-García-a

## List of Publications by Year in descending order

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13  
papers

165  
citations

1478505

6  
h-index

1199594

12  
g-index

13  
all docs

13  
docs citations

13  
times ranked

120  
citing authors

#	ARTICLE	IF	CITATIONS
1	A Review on Hydroponics and the Technologies Associated for Medium- and Small-Scale Operations. Agriculture (Switzerland), 2022, 12, 646.	3.1	66
2	Effects of surface texturing on the performance of biocompatible UHMWPE as a bearing material during in vitro lubricated sliding/rolling motion. Journal of the Mechanical Behavior of Biomedical Materials, 2013, 20, 45-53.	3.1	26
3	Comparative quantification and statistical analysis of $\text{Fe}^{2+}$ and $\text{Fe}^{3+}$ precipitates in aluminum alloy AA7075-T651 by TEM and AFM. Materials Characterization, 2014, 87, 116-124.	4.4	14
4	Regression models to predict the behavior of the coefficient of friction of AISI 316L on UHMWPE under ISO 14243-3 conditions. Journal of the Mechanical Behavior of Biomedical Materials, 2018, 82, 248-256.	3.1	14
5	The coefficient of friction of UHMWPE along an entire walking cycle using a ball-on-disc tribometer under arthrokinematics and loading conditions prescribed by ISO 14243-3:2014. Journal of the Mechanical Behavior of Biomedical Materials, 2017, 65, 274-280.	3.1	13
6	Effect of atmospheric plasma treatment on the wettability of UHMWPE. Materials Letters, 2021, 285, 129159.	2.6	13
7	Mapping the friction coefficient of AISI 316L on UHMWPE lubricated with bovine serum to study the effect of loading and entrainment at high values of sliding-to-rolling ratio. Health and Technology, 2020, 10, 385-390.	3.6	5
8	Modeling and Application of Controllers for a Photovoltaic Inverter for Operation in a Microgrid. Sustainability, 2021, 13, 5115.	3.2	5
9	Atomic force microscopy applied to the quantification of nano-precipitates in thermo-mechanically treated microalloyed steels. Materials Characterization, 2012, 69, 9-15.	4.4	4
10	Estudio de la evolución del perfil de esfuerzos residuales en recubrimientos barrera térmica depositados sobre acero inoxidable AISI 304. DYNA (Colombia), 2016, 83, 159.	0.4	3
11	Surface texture changes followed-up in real time during the initial wear transient of dry sliding of steel against several metals using laser light scattering. Wear, 2011, 271, 994-998.	3.1	1
12	Adsorption kinetics and Box-Behnken design optimization for organic dyes on tungsten oxide. Environmental Technology (United Kingdom), 2022, 43, 2620-2636.	2.2	1
13	Adsorption mechanism of acid orange 7 on photocatalytic materials based on TiO <sub>2</sub> . MRS Advances, 2019, 4, 3399-3405.	0.9	0