

# Alfredo Marquez-Herrera

## List of Publications by Year in descending order

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23  
papers

325  
citations

1040018

9  
h-index

839512

18  
g-index

24  
all docs

24  
docs citations

24  
times ranked

403  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of ball-burnishing on roughness, hardness and corrosion resistance of AISI 1045 steel. Surface and Coatings Technology, 2018, 339, 191-198.	4.8	77
2	Fe2B coating on ASTM A-36 steel surfaces and its evaluation of hardness and corrosion resistance. Surface and Coatings Technology, 2014, 254, 433-439.	4.8	40
3	Effect of electrode type in the resistive switching behaviour of TiO <sub>2</sub> thin films. Journal Physics D: Applied Physics, 2013, 46, 045103.	2.8	37
4	Facile Synthesis of SrCO <sub>3</sub> -Sr(OH) <sub>2</sub> /PPy Nanocomposite with Enhanced Photocatalytic Activity under Visible Light. Materials, 2016, 9, 30.	2.9	35
5	Improving the surface integrity of the CoCrMo alloy by the ball burnishing technique. Journal of Materials Research and Technology, 2020, 9, 7592-7601.	5.8	23
6	A novel synthesis of SrCO <sub>3</sub> @SrTiO <sub>3</sub> nanocomposites with high photocatalytic activity. Journal of Nanoparticle Research, 2014, 16, 1.	1.9	21
7	Mathematical model of Boltzmann's sigmoidal equation applicable to the set-up of the RF-magnetron co-sputtering in thin films deposition of $Ba_x Sr_{1-x} TiO_3$ . Sr. Bulletin of Materials Science, 2017, 40, 1043-1047.	1.7	15
8	TiO <sub>2</sub> /polypyrrole nanocomposites photoactive under visible light synthesized by heterophase polymerization in the presence of different surfactants. Research on Chemical Intermediates, 2015, 41, 8211-8231.	2.7	13
9	Semiconducting polypyrrole@TiO <sub>2</sub> pure anatase nanoparticles for photodegradation of reactive red 120 azo dye. Journal of Materials Science: Materials in Electronics, 2020, 31, 12178-12190.	2.2	11
10	Ferroelectric properties of barium strontium titanate thin films grown by RF co-sputtering. Physica Status Solidi C: Current Topics in Solid State Physics, 2005, 2, 3673-3676.	0.8	8
11	A novel solvothermal route for obtaining strontium titanate nanoparticles. Journal of Nanoparticle Research, 2013, 15, 1.	1.9	8
12	Ferroelectric properties of barium titanate thin films grown on nichrome substrates by RF sputtering. Journal of Materials Science, 2005, 40, 5103-5105.	3.7	7
13	Boride coating on the surface of WC-Co-based cemented carbide. International Journal of Materials Research, 2016, 107, 676-679.	0.3	6
14	Duplex surface treatment on ASTM A-36 steel by slide burnishing and powder pack boriding. Materials Today Communications, 2022, 31, 103703.	1.9	6
15	Enhance of electrical properties of resistive switches based on Sr <sub>0.1</sub> Ba <sub>0.9</sub> TiO <sub>3</sub> and TiO <sub>2</sub> thin films by employing a Ni-Cr alloy as contact. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2010, 172, 187-190.	3.5	4
16	Heterophase polymerization of different methacrylates: Effect of alkyl ester group on kinetics and colloidal behavior. Journal of Applied Polymer Science, 2014, 131, n/a-n/a.	2.6	3
17	Synthesis of CdS Nanocrystals by Employing the By-Products of the Anaerobic Respiratory Process of Desulfovibrio alaskensis 6SR Bacteria. Journal of Nanomaterials, 2015, 2015, 1-7.	2.7	3
18	Stoichiometry Calculation in Ba <sub>x</sub> Sr <sub>1-x</sub> TiO <sub>3</sub> Solid Solution Thin Films, Prepared by RF Cosputtering, Using X-Ray Diffraction Peak Positions and Boltzmann Sigmoidal Modelling. Journal of Nanomaterials, 2017, 2017, 1-8.	2.7	3

#	ARTICLE	IF	CITATIONS
19	Development of MgO <sub>x</sub> â€“TiO <sub>x</sub> coatings for modulation of Mg corrosion resistance. Metallurgical Research and Technology, 2018, 115, 205.	0.7	2
20	Influence of substrate temperature on morphological and ferroelectric properties of Ba 0.75 Sr 0.25 TiO 3 thin films deposited on nichrome substrates by Rf sputtering. Ceramics International, 2013, 39, 7167-7172.	4.8	1
21	Properties of Particle Size Distribution from Milled White Nixtamalized Corn Kernels as a Function of Steeping Time. Scientifica, 2016, 2016, 1-9.	1.7	1
22	Corrosion resistance evaluation of boron-carbon coating on ASTM A-36 steel. Revista Mexicana De FÃsica, 2021, 68, .	0.4	1
23	Evaluation of an electrochemical cell 3D-printed with PLA/PTFE polymer filament. Revista Mexicana De FÃsica, 2022, 68, .	0.4	0