

T A Simoes

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Spinel ferrite MFe_2O_4 ($M = Ni, Co, \text{ or } Cu$) nanoparticles prepared by a proteic sol-gel route for oxygen evolution reaction. <i>Advanced Powder Technology</i> , 2022, 33, 103391.	2.0	17
2	Tuning chemical and surface composition of nickel cobaltite-based nanocomposites through solvent and its impact on electrocatalytic activity for oxygen evolution. <i>Journal of Materials Science</i> , 2022, 57, 5097-5117.	1.7	3
3	Catalysts for hydrogen and oxygen evolution reactions (HER/OER) in cells. , 2022, , 457-470.		1
4	Comments on "A facile two-step synthesis of $Ag/CuCo_2O_4$ supported on nickel foam as a high-performance electrocatalyst for oxygen evolution reaction. <i>Materials Letters</i> 275 (2020) 128094." <i>Materials Letters</i> , 2021, 283, 128951.	1.3	0
5	Metal-organic frameworks as template for synthesis of Mn^{3+}/Mn^{4+} mixed valence manganese cobaltites electrocatalysts for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2021, 582, 124-136.	5.0	39
6	Nonwoven $Ni-NiO$ /carbon fibers for electrochemical water oxidation. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 3798-3810.	3.8	28
7	Microstructural influence of sigma phase on pitting corrosion behavior of duplex stainless steel/ $NaCl$ electrolyte couple. <i>Materials Chemistry and Physics</i> , 2021, 259, 124056.	2.0	27
8	Effect of two-step calcination on the formation of nickel oxide hollow nanofibers. <i>Open Ceramics</i> , 2021, 5, 100087.	1.0	4
9	The role of acetic acid in $FeCO_3$ scale deposition on CO_2 corrosion of API X65 carbon steel under high temperatures. <i>Corrosion Engineering Science and Technology</i> , 2021, 56, 553-564.	0.7	5
10	Effect of Cu-doping on the activity of calcium cobaltite for oxygen evolution reaction. <i>Materials Letters</i> , 2021, 298, 130026.	1.3	8
11	Fe-doped calcium cobaltites as electrocatalysts for oxygen evolution reaction. <i>Ceramics International</i> , 2021, 47, 26109-26118.	2.3	6
12	Role of oxygen vacancies on the energy storage performance of battery-type NiO electrodes. <i>Ceramics International</i> , 2020, 46, 9233-9239.	2.3	26
13	Multifunctional solution blow spun $NiFe-NiFe_2O_4$ composite nanofibers: Structure, magnetic properties and OER activity. <i>Journal of Physics and Chemistry of Solids</i> , 2020, 139, 109325.	1.9	34
14	Proteic sol-gel synthesis, structure and battery-type behavior of Fe-based spinels (MFe_2O_4 , $M = Cu, Co$) <i>Tj ETQq0,0,0 rgBT /Overlock 1</i>	2.0	37
15	The Effect of Microstructural Changes on Mechanical and Electrochemical Corrosion Properties of Duplex Stainless Steel Aged for Short Periods. <i>Materials</i> , 2020, 13, 5511.	1.3	10
16	Low-field magnetic analysis for sigma phase embrittlement monitoring in thermally aged 22Cr duplex stainless steel. <i>Journal of Magnetism and Magnetic Materials</i> , 2020, 513, 167072.	1.0	8
17	Ni/NiO -carbon composite fibers prepared by solution blow spinning: Structure and magnetic properties. <i>Ceramics International</i> , 2020, 46, 18933-18939.	2.3	5
18	The effect of different brines and temperatures on the competitive degradation mechanisms of CO_2 and H_2S in API X65 carbon steel. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 80, 103405.	2.1	11

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19	Ni and Ce oxide-based hollow fibers as battery-like electrodes. <i>Journal of Alloys and Compounds</i> , 2020, 830, 154633.	2.8	8
20	CO ₂ reforming of methane to produce syngas using anti-sintering carbon-resistant Ni/CeO ₂ fibers produced by solution blow spinning. <i>Environmental Chemistry Letters</i> , 2020, 18, 895-903.	8.3	19
21	Impact of the NiO nanostructure morphology on the oxygen evolution reaction catalysis. <i>Journal of Materials Science</i> , 2020, 55, 6648-6659.	1.7	62
22	Misfit-layered Ca-cobaltite-based cathodes for intermediate-temperature solid oxide fuel cell. , 2020, , 347-377.		0
23	Electrochemical behaviour and microstructural characterization of different austenitic stainless steel for biomedical applications. <i>Materials Research Express</i> , 2020, 7, 105402.	0.8	3
24	Improved mechanical performance of self-adhesive resin cement filled with hybrid nanofibers-embedded with niobium pentoxide. <i>Dental Materials</i> , 2019, 35, e272-e285.	1.6	23
25	The role of temperature and H ₂ S (thiosulfate) on the corrosion products of API X65 carbon steel exposed to sweet environment. <i>Journal of Petroleum Science and Engineering</i> , 2019, 180, 78-88.	2.1	24
26	Solution blow spun nickel oxide/carbon nanocomposite hollow fibres as an efficient oxygen evolution reaction electrocatalyst. <i>International Journal of Hydrogen Energy</i> , 2019, 44, 14877-14888.	3.8	44
27	Chemical Evolution of CoCrMo Wear Particles: An in Situ Characterization Study. <i>Journal of Physical Chemistry C</i> , 2019, 123, 9894-9901.	1.5	4
28	Battery-like behavior of Ni-ceria based systems: Synthesis, surface defects and electrochemical assessment. <i>Ceramics International</i> , 2019, 45, 7157-7165.	2.3	23
29	1D hollow MFe ₂ O ₄ (M = Cu, Co, Ni) fibers by Solution Blow Spinning for oxygen evolution reaction. <i>Journal of Colloid and Interface Science</i> , 2019, 540, 59-65.	5.0	99
30	Evaluation of Micro-Crack Incidence and their Influence on the Corrosion Resistance of Steel Coated with Different Chromium Thicknesses. <i>Revista Virtual De Quimica</i> , 2019, 11, 264-274.	0.1	5
31	Electrochemical assessment of Ca ₃ Co ₄ O ₉ nanofibres obtained by Solution Blow Spinning. <i>Materials Letters</i> , 2018, 221, 81-84.	1.3	23
32	Understanding the reactivity of CoCrMo-implant wear particles. <i>Npj Materials Degradation</i> , 2018, 2, .	2.6	11
33	Tribocorrosion evaluation of hydrogenated and silicon DLC coatings on carbon steel for use in valves, pistons and pumps in oil and gas industry. <i>Wear</i> , 2018, 394-395, 60-70.	1.5	28
34	Understanding the cathodic polarisation behaviour of the misfit [Ca ₂ CoO ₃] _q [CoO ₂] (C349) as oxygen electrode for IT-SOFC. <i>Electrochimica Acta</i> , 2018, 285, 214-220.	2.6	31
35	Toxicity and oxidative stress responses induced by nano- and micro-CoCrMo particles. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5648-5657.	2.9	7
36	Effect of Microstructure on Hydrogen Diffusion in Weld and API X52 Pipeline Steel Base Metals under Cathodic Protection. <i>International Journal of Corrosion</i> , 2017, 2017, 1-14.	0.6	7

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37	Evidence for the dissolution of molybdenum during tribocorrosion of CoCrMo hip implants in the presence of serum protein. <i>Acta Biomaterialia</i> , 2016, 45, 410-418.	4.1	30
38	Bovine Serum Albumin binding to CoCrMo nanoparticles and the influence on dissolution. <i>Journal of Physics: Conference Series</i> , 2015, 644, 012039.	0.3	7
39	Microstructural characterization of low and high carbon CoCrMo alloy nanoparticles produced by mechanical milling. <i>Journal of Physics: Conference Series</i> , 2014, 522, 012059.	0.3	5