

Marco Musiani

List of Publications by Year in descending order

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36
papers

3,776
citations

279798

23
h-index

361022

35
g-index

37
all docs

37
docs citations

37
times ranked

3439
citing authors

#	ARTICLE	IF	CITATIONS
1	Deposition of FeOOH layers onto porous PbO ₂ by galvanic displacement and their use as electrocatalysts for oxygen evolution reaction. <i>Journal of Electroanalytical Chemistry</i> , 2021, 880, 114844.	3.8	9
2	Oxide-oxide galvanic displacement reactions: Effect of the concentration of the ions released by the sacrificial oxide. <i>Journal of Electroanalytical Chemistry</i> , 2021, 896, 115199.	3.8	1
3	Ru/Ce/Ni Metal Foams as Structured Catalysts for the Methanation of CO ₂ . <i>Catalysts</i> , 2021, 11, 13.	3.5	15
4	Investigation on the oxide-oxide galvanic displacement reactions employed in the preparation of electrocatalytic layers. <i>Electrochimica Acta</i> , 2020, 341, 136056.	5.2	9
5	Ni-coated graphite felt modified with Ag nanoparticles: A new electrode material for electro-reductive dechlorination. <i>Journal of Electroanalytical Chemistry</i> , 2019, 849, 113357.	3.8	19
6	Reductive dehalogenation of a chloroacetanilide herbicide in a flow electrochemical cell fitted with Ag-modified Ni foams. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1572-1578.	3.2	18
7	Porous oxide electrocatalysts for oxygen evolution reaction prepared through a combination of hydrogen bubble templated deposition, oxidation and galvanic displacement steps. <i>Electrochimica Acta</i> , 2018, 273, 454-461.	5.2	9
8	Highly stable core-shell Pt-CeO ₂ nanoparticles electrochemically deposited onto Fecralloy foam reactors for the catalytic oxidation of CO. <i>Journal of Industrial and Engineering Chemistry</i> , 2018, 66, 404-410.	5.8	10
9	Electrochemical preparation of nanostructured CeO ₂ -Pt catalysts on Fe-Cr-Al alloy foams for the low-temperature combustion of methanol. <i>Chemical Engineering Journal</i> , 2017, 317, 551-560.	12.7	11
10	Preparation of porous oxide layers by oxygen bubble templated anodic deposition followed by galvanic displacement. <i>Electrochimica Acta</i> , 2017, 253, 11-20.	5.2	28
11	Determination of water uptake in organic coatings deposited on 2024 aluminium alloy: Comparison between impedance measurements and gravimetry. <i>Progress in Organic Coatings</i> , 2017, 112, 93-100.	3.9	58
12	Preparation of Silver-Modified Nickel Foams by Galvanic Displacement and Their Use as Cathodes for the Reductive Dechlorination of Herbicides. <i>ChemElectroChem</i> , 2016, 3, 2084-2092.	3.4	27
13	Impedance study of the influence of chromates on the properties of waterborne coatings deposited on 2024 aluminium alloy. <i>Corrosion Science</i> , 2016, 109, 174-181.	6.6	41
14	Identification of Resistivity Distributions in Dielectric Layers by Measurement Model Analysis of Impedance Spectroscopy. <i>Electrochimica Acta</i> , 2016, 219, 312-320.	5.2	38
15	Conversion of porous PbO ₂ layers through galvanic displacement reaction with Mn ²⁺ ions. <i>Electrochemistry Communications</i> , 2016, 73, 59-62.	4.7	17
16	Electrochemical Behaviour of Porous PbO ₂ Layers Prepared by Oxygen Bubble Templated Anodic Deposition. <i>Electrochimica Acta</i> , 2016, 200, 259-267.	5.2	35
17	Catalytic combustion of methanol on Pt-Fecralloy foams prepared by electrodeposition. <i>Chemical Engineering Journal</i> , 2016, 285, 276-285.	12.7	25
18	Oxygen bubble-templated anodic deposition of porous PbO ₂ . <i>Electrochemistry Communications</i> , 2015, 60, 144-147.	4.7	26

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19	Impedance analysis of the distributed resistivity of coatings in dry and wet conditions. <i>Electrochimica Acta</i> , 2015, 179, 452-459.	5.2	39
20	Preparation of 3D electrocatalysts and catalysts for gas-phase reactions, through electrodeposition or galvanic displacement. <i>Journal of Applied Electrochemistry</i> , 2015, 45, 715-725.	2.9	7
21	Determination of resistivity profiles in anti-corrosion coatings from constant-phase-element parameters. <i>Progress in Organic Coatings</i> , 2014, 77, 2076-2083.	3.9	46
22	Catalytic partial oxidation of methane over nanosized Rh supported on Fecralloy foams. <i>International Journal of Hydrogen Energy</i> , 2014, 39, 11473-11485.	7.1	26
23	Constant-phase-element behavior caused by inhomogeneous water uptake in anti-corrosion coatings. <i>Electrochimica Acta</i> , 2013, 87, 693-700.	5.2	131
24	Reduction of Nitrate Ions at Rh-Modified Ni Foam Electrodes. <i>Electrocatalysis</i> , 2013, 4, 203-211.	3.0	20
25	Dielectric Properties of Materials Showing Constant-Phase-Element (CPE) Impedance Response. <i>Journal of the Electrochemical Society</i> , 2013, 160, C215-C225.	2.9	370
26	Oxidation of CO and CH ₄ on Pd@Fecralloy foam catalysts prepared by spontaneous deposition. <i>Chemical Engineering Journal</i> , 2013, 230, 422-431.	12.7	24
27	Electrodeposition of Cu@Rh alloys and their use as cathodes for nitrate reduction. <i>Electrochemistry Communications</i> , 2012, 25, 91-93.	4.7	59
28	The HER in alkaline media on Pt-modified three-dimensional Ni cathodes. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 10507-10516.	7.1	54
29	Catalytic partial oxidation of CH ₄ @H ₂ mixtures over Ni foams modified with Rh and Pt. <i>International Journal of Hydrogen Energy</i> , 2012, 37, 17040-17051.	7.1	23
30	Spontaneous deposition of Pd onto Fe@Cr@Al alloys. <i>Electrochimica Acta</i> , 2012, 68, 114-122.	5.2	15
31	Preparation of Pd-Modified Ni Foam Electrodes and Their Use as Anodes for the Oxidation of Alcohols in Basic Media. <i>Electrocatalysis</i> , 2012, 3, 48-58.	3.0	53
32	Constant-Phase-Element Behavior Caused by Coupled Resistivity and Permittivity Distributions in Films. <i>Journal of the Electrochemical Society</i> , 2011, 158, C424.	2.9	63
33	Determination of effective capacitance and film thickness from constant-phase-element parameters. <i>Electrochimica Acta</i> , 2010, 55, 6218-6227.	5.2	1,695
34	Constant-Phase-Element Behavior Caused by Resistivity Distributions in Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, C458.	2.9	295
35	Constant-Phase-Element Behavior Caused by Resistivity Distributions in Films. <i>Journal of the Electrochemical Society</i> , 2010, 157, C452.	2.9	387
36	Hydrogen evolution on porous Ni cathodes modified by spontaneous deposition of Ru or Ir. <i>Electrochimica Acta</i> , 2008, 53, 8310-8318.	5.2	73