

# Alexander Lutz

## List of Publications by Year in descending order

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13  
papers

456  
citations

1039406

9  
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1125271

13  
g-index

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13  
docs citations

13  
times ranked

507  
citing authors

#	ARTICLE	IF	CITATIONS
1	Role of Al <sub>2</sub> O <sub>3</sub> inclusions on the localized corrosion of Q460NH weathering steel in marine environment. <i>Corrosion Science</i> , 2018, 138, 96-104.	3.0	146
2	A Shape-Recovery Polymer Coating for the Corrosion Protection of Metallic Surfaces. <i>ACS Applied Materials &amp; Interfaces</i> , 2015, 7, 175-183.	4.0	106
3	Study of the formation of a protective layer in a defect from lithium-leaching organic coatings. <i>Progress in Organic Coatings</i> , 2016, 99, 80-90.	1.9	49
4	Investigation of the oxygen exchange mechanism on Pt   yttria stabilized zirconia at intermediate temperatures: Surface path versus bulk path. <i>Electrochimica Acta</i> , 2011, 56, 9727-9740.	2.6	47
5	A Multiple-Action Self-Healing Coating. <i>Frontiers in Materials</i> , 2016, 2, .	1.2	30
6	Effect of Zn on the grain boundary precipitates and resulting alkaline etching of recycled Al-Mg-Si-Cu alloys. <i>Journal of Alloys and Compounds</i> , 2019, 794, 435-442.	2.8	20
7	Mechanism of LDH Direct Growth on Aluminum Alloy Surface: A Kinetic and Morphological Approach. <i>Journal of Physical Chemistry C</i> , 2021, 125, 11687-11701.	1.5	15
8	Effect of hydrogen peroxide on bovine serum albumin adsorption on Ti6Al4V alloy: A scanning Kelvin probe force microscopy study. <i>Applied Surface Science</i> , 2021, 563, 150364.	3.1	13
9	The study on the corrosion mechanism of protective ternary Zn Fe Mo alloy coatings deposited on carbon steel in 0.5 mol% NaCl solution. <i>Corrosion Science</i> , 2018, 138, 130-141.	3.0	11
10	Electrochemical characterization of plasma coatings on printed circuit boards. <i>Progress in Organic Coatings</i> , 2019, 137, 105256.	1.9	7
11	Non-destructive 3-dimensional mapping of microcapsules in polymeric coatings by confocal Raman spectroscopy. <i>Progress in Organic Coatings</i> , 2015, 88, 32-38.	1.9	6
12	Corrosion performance of powder-coated aluminum profiles with increased trace element content. <i>Materials and Corrosion - Werkstoffe Und Korrosion</i> , 2022, 73, 1575-1585.	0.8	4
13	Effect of the shear layer on the etching behavior of 6060 aluminum extrusion alloys. <i>Surface and Interface Analysis</i> , 2019, 51, 1251-1259.	0.8	2