



دانشگاه صنعتی امیرکبیر  
(پلی تکنیک تهران)

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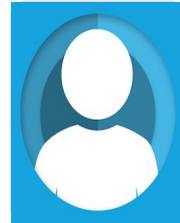
شماره تماس:

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11

:ارجاعات (Scopus):

595



آرمان زارع بیدکی

استادیار

واحد آموزشی هرمزگان (بندرعباس)

گروه آموزشی مهندسی خوردگی و حفاظت از مواد

### پایان نامه های کارشناسی ارشد

#	عنوان پایان نامه	توسط	تاریخ دفاع
1	بررسی رفتار ممانعت از خوردگی آلیاژ (مس- نیکل) توسط 2- مرکاپتوبنزنوتیازول در محلول آب نمک NaCl و اسیدی	فرزانه ایرانمنش بحری و آرمان زارع بیدکی	اسفند 1399
2	تحلیل، پایش سلامت و کنترل ابعادی سازه های دریایی به کمک مدل سازی کامپیوتری و دوربین سه بعدی	عبدالمطلب میرشکاری و آرمان زارع بیدکی	مهر 1399
3	اعمال و بررسی رفتار خوردگی پوشش نانوکامپوزیتی TiO2/Hydroxyapatite با روش آندایزینگ	اتنا صالحی نودژ و آرمان زارع بیدکی	شهریور 1399
4	بررسی خواص نانو کامپوزیت AZ91 تقویت شده با نانو لوله های کربن	بهروز محمدحسینی زاده و آرمان زارع بیدکی	بهمن 1398
5	اعمال و بررسی رفتار خوردگی پوشش کامپوزیتی Zn-Ni-TiO2 با روش آبرکاری الکتریکی	صبا دهقان و آرمان زارع بیدکی	اردیبهشت 1398
6	بررسی رفتار خوردگی نانوکامپوزیت سطحی Mg/Al2O3 اعمال شده توسط فرایند اصطکاکی- اغتشاشی بر روی آلیاژ منیزیم	سهراب آغولیان و آرمان زارع بیدکی	اسفند 1397
7	مطالعه رفتار حفاظت از خوردگی پوشش اپوکسی حاوی ذرات کلسیم کربنات اصلاح شده توسط سریم سولفات بر روی فولاد	مرتضی رحیمی هلری و آرمان زارع بیدکی	اسفند 1397
8	بررسی رفتار ممانعت از خوردگی مس توسط 2- مرکاپتوبنزنوتیازول در محلول نزدیک به خنثی	وحید سالارحسینی و آرمان زارع بیدکی	اسفند 1396
9	مطالعه رفتار حفاظت از خوردگی پوشش اپوکسی حاوی میکروذرات کلسیم کربنات اصلاح شده توسط سریم نیترات بر روی فولاد	علی دستغیب و آرمان زارع بیدکی	بهمن 1396

#	عنوان	نگارندگان/مترجمان	کشور ناشر	تاریخ انتشار	نسخه
	داده های ثبت شده در پورتال				
1	ممانعت کننده های سبز خوردگی	آرمان زارع بیدکی، علی پورقاسمی هنزا، طاهر ربیع زاده	ایران	شهریور 1398	2
2	ممانعت کننده های سبز خوردگی	آرمان زارع بیدکی، علی پورقاسمی هنزا، طاهر ربیع زاده	ایران	خرداد 1397	1

## مقالات ژورنال

### داده های ثبت شده در پورتال

- 1 Ali Dastgheib, Arman Zarebidaki, Mohammad Reza Mohammadzadehattar, "Enhanced barrier properties of epoxy coating containing CaCO<sub>3</sub> microparticles modified with cerium nitrate", *PROGRESS IN ORGANIC COATINGS*, Vol. 144, Num. 2020, Page 1-6, March 2020,
- 2 Abdolreza Mostafanejad, Mehdi Iranmanesh, Arman Zarebidaki, "Investigation of Corrosion Behavior of Submerged Arc Welded A131/A and A131/AH32 Steels in Simulated Seawater", , Vol. 22, Num. 32, Page 7-19, October 2019,
- 3 Abdolreza Mostafanejad, Mehdi Iranmanesh, Arman Zarebidaki, "An experimental study on stress corrosion behavior of A131/A and A131/AH32 low carbon steels in simulated seawater", *OCEAN ENGINEERING*, Vol. 188, Num. 106204, Page 1-9, September 2019,
- 4 Ali Dastgheib, Mohammad Reza Mohammadzadehattar, Arman Zarebidaki, "Evaluation of Corrosion Inhibition of Mild Steel in 3.5 wt% NaCl Solution by Cerium Nitrate", *METALS AND MATERIALS INTERNATIONAL*, Vol. 0, Num. 0, Page 1-9, August 2019,
- 5 Nasrollah Eslamzadeh, Reza Ebrahimi-Kahrizsangi, Saeed Karbasi, Arman Zarebidaki, Farhad Gharavi, "Effect of Duty Cycle on the Corrosion of Mg PEO Coatings", *INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE*, Vol. 13, Num. 0, Page 6236-6247, June 2018,
- 6 Vahid Salarhoseini, Arman Zarebidaki, Mohammad Reza Mohammadzadehattar, "The Effect of Concentration and Temperature on the Behavior of Copper Corrosion Inhibition by 2 - Mercaptobenzothiazole", , Vol. 18, Num. 28, Page 37-48, May 2018,
- 7 Arman Zarebidaki, Amir Seifoddini, Taher Rabizadeh, "Corrosion resistance of Fe77Mo5P9C7.5B1.5in-situ metallic glass matrix composites", *JOURNAL OF ALLOYS AND COMPOUNDS*, Vol. 736, Num. 0, Page 17-21, March 2018,
- 8 Nasrollah Eslamzadeh, Reza Ebrahimi-Kahrizsangi, Saeed Karbasi, Arman Zarebidaki, Farhad Gharavi, "An Investigation into the Corrosion Behavior of MgO/ZrO<sub>2</sub> Nanocomposite Coatings Prepared by Plasma Electrolytic Oxidation on the AZ91 Magnesium Alloy", *JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE*, Vol. 0, Num. 0, Page 1-10, September 2017,

## مقالات کنفرانس







### داده های ثبت شده در پورتال

- 1 Atena Salehi Nodej, Arman Zarebidaki, Seyed Haman Hedaiatmofidi, "Investigation of the corrosion behavior of nanotubes produced via anodizing process on commercial pure titanium ", 8th Iran International Conference & Exhibition on Materials Science & Metallurgical Engineering, October 2019
- 2 Behrouz Mohammad Hasani Zadeh, Seyed Haman Hedaiatmofidi, Arman Zarebidaki, "Investigation of the effect of microstructure on the corrosion behavior of AZ91 magnesium based alloy after stir friction process ", 8th Iran International Conference & Exhibition on Materials Science & Metallurgical Engineering, October 2019
- 3 Arman Zarebidaki, Saba Dehghan, Gholamali Ashoorzadeh Khorgoo, "The effect of nickel content on the corrosion resistance of electroplated Zn-Ni coatings ", 7th International Conference on Materials Engineering and Metallurgy, October 2018

- 4 Sohrab Aghevlian, Arman Zarebidaki, Seyed Haman Hedayatmofidi, "Investigating the effect of friction process on the microstructure and corrosion properties of AZ31 alloy ", 7th International Conference on Materials Engineering and Metallurgy, October 2018
- 5 Morteza Rahimi Holori, Mohammad Reza Mohammadzadehattar, Arman Zarebidaki, "Lanthanum nitrate as a corrosion inhibitor for low carbon steel in 3.5 wt. % NaCl solution ", 7th International Conference on Materials Engineering and Metallurgy, October 2018
- 6 Ali Dastgheib, Mohammad Reza Mohammadzadehattar, Arman Zarebidaki, "SMART protective ability of epoxy coatings loaded with CaCO<sub>3</sub> microbeads impregnated with cerium nitrate applied on mild steel substrates ", International color & coating congress, ICC2017, December 2017
- 7 Ali Dastgheib, Mohammad Reza Mohammadzadehattar, Arman Zarebidaki, Ashid Farokhi, "Electrochemical assessment of cerium nitrate as corrosion inhibitor for mild steel in 3.5 wt.% NaCl solution ", International color & coating congress, ICC2017, December 2017
- 8 Vahid Salarhoseini, Arman Zarebidaki, Mohammad Reza Mohammadzadehattar, Ashurizade, "Corrosion inhibition of copper in 3 wt.% NaCl solution by 2-mercaptobenzothiazole ", International color & coating congress, ICC2017, December 2017
- 9 Parisa Hasanpoor, Amir Seifoddini, Arman Zarebidaki, "Corrosion resistance and thermal stability of amorphous and partially crystalline of Fe<sub>73</sub>.15Ni<sub>3</sub>.85Mo<sub>5</sub>P<sub>9</sub>C<sub>7</sub>.5B<sub>1.5</sub> bulk metallic glass ", 4th International Engineering Materials & Metallurgy Conference, November 2015
- 10 Arman Zarebidaki, "Effect of Ni Content on Corrosion Resistance of Fe-Based Amorphous Alloys ", 4th International Engineering Materials & Metallurgy Conference, November 2015
- 11 A.S. Mozaffari, Amir Seifoddini, Arman Zarebidaki, "The effect of copper addition on the corrosion behavior of Fe<sub>41</sub>Co<sub>7</sub>Cr<sub>15</sub>Mo<sub>14</sub>Y<sub>2</sub>C<sub>15</sub>B<sub>6</sub> Bulk glassy alloy ", 4th International Engineering Materials & Metallurgy Conference, November 2015
- 12 Arman Zarebidaki, "- ", -, November 2015
- 13 Zahra Kouhi, Faride Shahriari, Amir Seifoddini, Arman Zarebidaki, "Investigation of corrosion behavior of glass matrix composite alloys ", -, November 2015

## دروس ارائه شده

#	عنوان درس	توصیف درس	دوره سرفصل درسی ها
1	Prohibited Materials for Corrosion	The use of chemical inhibitors to decrease the rate of corrosion processes is quite varied. In the oil extraction and processing industries, inhibitors have always been considered to be the first line of defense against corrosion. A great number of s	Spring 2021
2	Advance Corrosion Lab	The aim of the advanced corrosion laboratory course is to study the methods of corrosion rate evaluation, assessment or selection of materials in a particular environment with a particular application, evaluation of new and old metals and alloys to d	Spring 2021
3	Corrosion and Decay in Welded Zone	Despite the correct choice of base metal and filler metal, following the instructions, standards, codes and having sufficient penetration Corrosion and failure of the weld occurs in industrial corrosive environments. Generally corrosion resistance of t	Spring 2021
4	High Temperature Oxidation & Hot Corrosion	Oxidation is the most important corrosion reaction at high temperature that take place during the use of metals in oxidant atmosphere in some applications such as gas turbines, steam boilers and heat exchangers. Scaling, tarnishing and dry corrosion	Fall 2020

5	New Method of Materials Study & Lab	In this course, the history of X-rays discovery will be reviewed and the physical principles of X-ray production and diffraction will be studied. Furthermore equipments, applications and limitations of XRD technique will be taught.		Fall 2020
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## اختراعات/ ثبت پتنت

#	عنوان اختراع	شماره ثبت	کشور ثبت کننده	همکاران	تاریخ ثبت	تاریخ انقضا
1	پوشش اپوکسی هوشمند حاوی ذرات کربنات کلسیم اصلاح شده با بازدارنده سریم نیترات با قابلیت خود ترمیم شونده در برابر خوردگی	98890 -		آرمان زارع بیدکی، محمدرضا محمدزاده عطار، علی دستغیب	1398/4/10	1416/10/30

داده های ثبت شده در پورتال