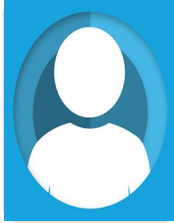




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h-index (Scopus):

12

Citations (Scopus):

621

### Supervised MSc Theses

| #  | Thesis title   | By   | Date              |
|----|--|--|-------------------|
| 1  | Study of the surface morphology and corrosion behavior of alloy coating Ni-Cu-P on steel substrate   | Marziye Karimi Haje<br>Khadmi & Arman<br>Zarebidaki    | September<br>2021 |
| 2  | Investigation of corrosion inhibition of copper-nickel alloy by 2-mercaptobenzothiazole in near-neutral and acidic solution                              | Farzane Iranmaneshbahri &<br>Arman Zarebidaki          | March<br>2021     |
| 3  | Analysis ,health monitoring and dimension control of marine structureby cad model and 3d camera  | Abdulmotaleb Mirshekari &<br>Arman Zarebidaki          | October<br>2020   |
| 4  | Application and Evaluation of Corrosion Properties of TiO <sub>2</sub> / Hydroxyapatite Nanocomposite Coating via Anodizing Method                       | Atena Salehi Nodej &<br>Arman Zarebidaki               | September<br>2020 |
| 5  | An investigation on AZ91 nanocomposite reinforced by carbon nanotubes  | Behrouz Mohammad<br>Hasani Zadeh & Arman<br>Zarebidaki | February<br>2020  |
| 6  | Electrodeposition and corrosion resistance behaviour of Zn-Ni/TiO <sub>2</sub> composite coatings  | Saba Dehghan & Arman<br>Zarebidaki                     | May 2019          |
| 7  | Corrosion properties of Mg/Al <sub>2</sub> O <sub>3</sub> composite layer fabricated by friction stir process on Mg alloys                               | Sohrab Aghevlian & Arman<br>Zarebidaki                 | March<br>2019     |
| 8  | Investigation of corrosion protection behavior of epoxy coating containing calcium carbonate particles modified by cerium sulfate applied on steel       | Morteza Rahimi Holori &<br>Arman Zarebidaki            | March<br>2019     |
| 9  | Investigation of corrosion inhibition behavior of copper by 2-mercaptobenzothiazole in near-neutral solution   | Vahid Salarhoseini &<br>Arman Zarebidaki               | February<br>2018  |
| 10 | Investigation of corrosion protection behavior of epoxy coating containing calcium carbonate micro particles modified by cerium nitrate applied on steel | Ali Dastgheib & Arman<br>Zarebidaki                    | February<br>2018  |

## Books

| #                     | Title                      | Author(s)  | Publisher country          | publication date | version |
|-----------------------|----------------------------|--|----------------------------|------------------|---------|
| <b>Portal Records</b> |                            |  |                            |                  |         |
| 1                     | Green corrosion inhibitors | Arman Zarebidaki, Ali Pourghasemi Hanza, Taher Rabizadeh | Iran (Islamic Republic of) | June 2018        | 1       |
| 2                     | Green corrosion inhibitors | Arman Zarebidaki, Ali Pourghasemi Hanza, Taher Rabizadeh | Iran (Islamic Republic of) | August 2019      | 2       |

## Journal Papers

### Portal Records

- 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, March 2020 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", , October 2019 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, September 2019 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, August 2019 Vol. 0, Num. 0, Page 1-9, August 2019,
- 5 Nasrollah Eslamzadeh, Reza Ebrahimi-Kahrizangi, Saeed Karbasi, Arman Zarebidaki, Farhad Gharavi, "Effect of Duty Cycle on the Corrosion of Mg PEO Coatings", INTERNATIONAL JOURNAL OF ELECTROCHEMICAL SCIENCE, June 2018 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", , May 2018 Vol. 18, Num. 28, Page 37-48, May 2018,
- 7 Arman Zarebidaki, Amir Seifoddini, Taher Rabizadeh, "Corrosion resistance of Fe<sub>77</sub>Mo<sub>5</sub>P<sub>9</sub>C<sub>7</sub>.5B<sub>1</sub>.5in-situ metallic glass matrix composites", JOURNAL OF ALLOYS AND COMPOUNDS, March 2018 Vol. 736, Num. 0, Page 17-21, March 2018,
- 8 Nasrollah Eslamzadeh, Reza Ebrahimi-Kahrizangi, 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, September 2017 Vol. 0, Num. 0, Page 1-10, September 2017,




## Conference Papers





### Portal Records

- 1 Atena Salehi Nodej, Arman Zarebidaki, Seyed Haman Hedayatmofidi, "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 Ashoorizadeh 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 Hedaiatmofidi, "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

## Taught Courses

| # | Course title                        | Description  | Headlines   | Date        |
|---|-------------------------------------|--|---|-------------|
| 1 | 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 2021   |
| 2 | 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 |  | Fall 2021   |
| 3 | 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 |

|   |  |  |   |             |
|---|--|--|---|-------------|
| 4 | 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 |
| 5 | 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 |
| 6 | 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   |
| 7 | 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   |

### Inventions/Patents

| # | Invention title   | Reg. number | Country | contributors | Reg. date | Exp. date  |
|---|---|-------------|---------|--------------|-----------|------------|
| 1 | Smart epoxy coating containing calcium carbonate modified via serium nitrate through self healing ability against corrosion | 98890       |         |              | 2019/07/1 | 2038/01/19 |