# Zoran GrubaÄ•

List of Publications by Year
in descending order

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|---|---|---|---|
| 39<br>papers | 1,271<br>citations | 304743<br>22<br>h-index | 361022<br>35<br>g-index |
| 39<br>all docs | 39<br>docs citations | 39<br>times ranked | 1198<br>citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | The study of aluminium corrosion in acidic solution with nontoxic inhibitors. Journal of Applied Electrochemistry, 2002, 32, 35-41. | 2.9 | 108 |
| 2 | Sputter deposited nanocrystalline Ni and Ni-W films as catalysts for hydrogen evolution. Journal of Molecular Catalysis A, 2006, 249, 172-180. | 4.8 | 95 |
| 3 | High corrosion resistance of austenitic stainless steel alloyed with nitrogen in an acid solution. Corrosion Science, 2011, 53, 2176-2183. | 6.6 | 79 |
| 4 | Copperâ€“nickel alloys modified with thin surface films: Corrosion behaviour in the presence of chloride ions. Corrosion Science, 2011, 53, 347-352. | 6.6 | 73 |
| 5 | Impedance spectroscopic study of aluminium and Al-alloys in acid solution: inhibitory action of nitrogen containing compounds. Journal of Applied Electrochemistry, 1994, 24, 772-778. | 2.9 | 68 |
| 6 | Corrosion protection of aluminium in acidic chloride solutions with nontoxic inhibitors. Journal of Applied Electrochemistry, 1998, 28, 433-439. | 2.9 | 63 |
| 7 | Corrosion properties of the Mg alloy coated with polypyrrole films. Corrosion Science, 2016, 102, 310-316. | 6.6 | 59 |
| 8 | Impedance investigation of corrosion inhibition of armco iron by thiourea. Journal of Applied Electrochemistry, 1996, 26, 443-449. | 2.9 | 52 |
| 9 | The growth kinetics of thin anodic WO3 films investigated by electrochemical impedance spectroscopy. Journal of Electroanalytical Chemistry, 2003, 556, 167-178. | 3.8 | 51 |
| 10 | Complexities of corrosion behaviour of copperâ€“nickel alloys under liquid impingement conditions in saline water. Electrochimica Acta, 2010, 55, 3123-3129. | 5.2 | 49 |
| 11 | The corrosion behavior of sputter-deposited aluminumâ€“tungsten alloys. Electrochimica Acta, 2002, 47, 2387-2397. | 5.2 | 42 |
| 12 | EIS study of solid-state transformations in the passivation process of bismuth in sulfide solution. Journal of Electroanalytical Chemistry, 2004, 565, 85-94. | 3.8 | 42 |
| 13 | Organic Corrosion Inhibitors for Aluminum in Perchloric Acid. Corrosion, 1994, 50, 146-151. | 1.1 | 33 |
| 14 | Electrodeposition of thin sulfide films: nucleation and growth observed for Bi2S3. Thin Solid Films, 2002, 413, 248-256. | 1.8 | 30 |
| 15 | Functionalization of biodegradable magnesium alloy implants with alkylphosphonate self-assembled films. Materials Science and Engineering C, 2013, 33, 2152-2158. | 7.3 | 30 |
| 16 | The electrochemical behaviour of nanocrystalline nickel: A comparison with polycrystalline nickel under the same experimental condition. Journal of Electroanalytical Chemistry, 2010, 645, 87-93. | 3.8 | 29 |
| 17 | Electrocrystallization, growth and characterization of calcium phosphate ceramics on magnesium alloys. Electrochimica Acta, 2013, 109, 694-700. | 5.2 | 29 |
| 18 | Anodically formed oxide films and oxygen reduction on electrodeposited ruthenium in acid solution. Electrochimica Acta, 2006, 51, 1157-1164. | 5.2 | 25 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | Nucleation and growth of anodic oxide films on bismuth. Electrochimica Acta, 1998, 43, 3175-3181. | 5.2 | 24 |
| 20 | Energy-Band Structure as Basis for Semiconductor n-Bi<sub>2</sub>S<sub>3</sub>/n-Bi<sub>2</sub>O<sub>3</sub> Photocatalyst Design. Journal of the Electrochemical Society, 2019, 166, H433-H437. | 2.9 | 24 |
| 21 | Title is missing!. Journal of Applied Electrochemistry, 2002, 32, 431-438. | 2.9 | 23 |
| 22 | The nucleation of Ni on carbon microelectrodes and its electrocatalytic activity in hydrogen evolution. Thin Solid Films, 2006, 513, 193-200. | 1.8 | 23 |
| 23 | Inhibition of the hydrogen evolution reaction on aluminium covered by â€˜spontaneousâ€™ oxide. Journal of Applied Electrochemistry, 1994, 24, 325-331. | 2.9 | 22 |
| 24 | Surface Modification of Biodegradable Magnesium Alloys. Journal of the Electrochemical Society, 2012, 159, C253-C258. | 2.9 | 22 |
| 25 | Nanocrystalline and coarse grained polycrystalline nickel catalysts for the hydrogen evolution reaction. International Journal of Hydrogen Energy, 2013, 38, 4437-4444. | 7.1 | 21 |
| 26 | Potential Assisted Formation and Characterization of Hydroxyapatite Coatings on Biodegradable Magnesium Alloys. Journal of the Electrochemical Society, 2013, 160, H674-H680. | 2.9 | 21 |
| 27 | Kinetics and mechanism of electrocrystallization of bismuth in oxide matrix. Electrochimica Acta, 1999, 44, 4559-4571. | 5.2 | 18 |
| 28 | Corrosion resistance of amorphous aluminiumâ€“molybdenum alloys in an acidic chloride environment. Corrosion Science, 2010, 52, 352-359. | 6.6 | 18 |
| 29 | Characterization of Electronic and Dielectric Properties of Anodic Oxide Films on Bismuth by Electrochemical Impedance Spectroscopy. Journal of Physical Chemistry B, 1998, 102, 7406-7412. | 2.6 | 15 |
| 30 | Corrosion resistance of copperâ€“nickel alloy under fluid jet impingement. Desalination, 2011, 276, 228-232. | 8.2 | 15 |
| 31 | Change of n-type to p-type conductivity of the semiconductor passive film on N-steel: Enhancement of the pitting corrosion resistance. Journal of the Serbian Chemical Society, 2013, 78, 2053-2067. | 0.8 | 14 |
| 32 | Corrosion Behavior of the Filmed Copper Surface in Saline Water Under Static and Jet Impingement Conditions. Corrosion, 2012, 68, 025002-1-025002-8. | 1.1 | 12 |
| 33 | The influence of local structure of nanocrystalline Ni films on the catalytic activityâ˜†. Electrochemistry Communications, 2007, 9, 299-302. | 4.7 | 11 |
| 34 | Nucleation of copper on an assembly of carbon microelectrodes. Materials Letters, 2007, 61, 794-798. | 2.6 | 7 |
| 35 | Passivation of Aluminumâ€“Molybdenum Alloys in Hydrochloric Acid. Journal of the Electrochemical Society, 2009, 156, C435. | 2.9 | 7 |
| 36 | Electrochemistry of CoCrMo Implant in Hanksâ€™ Solution and Mott-Schottky Probe of Alloyâ€™s Passive Films. Corrosion, 2017, 73, 1401-1412. | 1.1 | 6 |

| # | ARTICLE | IF | CITATIONS |
|---|---|---|---|
| 37 | Electrochemical behaviour of aluminium based alloys in presence of chloride ions. Corrosion Engineering Science and Technology, 1995, 30, 288-291. | 0.3 | 6 |
| 38 | Electrocatalytic Activity of the Ni57.3Co42.7 Alloy for the Hydrogen Evolution. Croatica Chemica Acta, 2017, 90, . | 0.4 | 3 |
| 39 | Surface Modifications of the Mg Alloy by Self-Assembled Monolayers of Fatty Acids. ECS Transactions, 2012, 41, 81-91. | 0.5 | 2 |