

Karolina Syrek

List of Publications by Year in descending order

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31
papers

804
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citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | 3D printed orodispersible films with Aripiprazole. <i>International Journal of Pharmaceutics</i> , 2017, 533, 413-420. | 5.2 | 182 |
| 2 | Heat Treatment Effect on Crystalline Structure and Photoelectrochemical Properties of Anodic TiO ₂ Nanotube Arrays Formed in Ethylene Glycol and Glycerol Based Electrolytes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 24182-24191. | 3.1 | 64 |
| 3 | Formation of ZnO nanowires during anodic oxidation of zinc in bicarbonate electrolytes. <i>Journal of Electroanalytical Chemistry</i> , 2017, 801, 511-520. | 3.8 | 47 |
| 4 | Effects of anodizing potential and temperature on the growth of anodic TiO ₂ and its photoelectrochemical properties. <i>Applied Surface Science</i> , 2017, 396, 1119-1129. | 6.1 | 45 |
| 5 | Co-delivery of ibuprofen and gentamicin from nanoporous anodic titanium dioxide layers. <i>Colloids and Surfaces B: Biointerfaces</i> , 2017, 152, 95-102. | 5.0 | 43 |
| 6 | Band gap engineering of nanotubular Fe ₂ O ₃ -TiO ₂ photoanodes by wet impregnation. <i>Applied Surface Science</i> , 2020, 517, 146195. | 6.1 | 39 |
| 7 | Effect of electrolyte agitation on anodic titanium dioxide (ATO) growth and its photoelectrochemical properties. <i>Electrochimica Acta</i> , 2015, 180, 801-810. | 5.2 | 37 |
| 8 | Planetary ball milling and supercritical fluid technology as a way to enhance dissolution of bicalutamide. <i>International Journal of Pharmaceutics</i> , 2017, 533, 470-479. | 5.2 | 36 |
| 9 | Influence of annealing conditions on anodic tungsten oxide layers and their photoelectrochemical activity. <i>Electrochimica Acta</i> , 2017, 231, 61-68. | 5.2 | 35 |
| 10 | The effect of anodization conditions on the morphology of porous tungsten oxide layers formed in aqueous solution. <i>Journal of Electroanalytical Chemistry</i> , 2018, 829, 106-115. | 3.8 | 30 |
| 11 | Nanoporous tin oxides synthesized via electrochemical anodization in oxalic acid and their photoelectrochemical activity. <i>Electrochimica Acta</i> , 2016, 205, 273-280. | 5.2 | 25 |
| 12 | Improving Photoelectrochemical Properties of Anodic WO ₃ Layers by Optimizing Electrosynthesis Conditions. <i>Molecules</i> , 2020, 25, 2916. | 3.8 | 23 |
| 13 | The effect of foil purity on morphology of anodized nanoporous ZrO ₂ . <i>Applied Surface Science</i> , 2016, 388, 799-804. | 6.1 | 21 |
| 14 | Anodic Titanium Oxide Layers Modified with Gold, Silver, and Copper Nanoparticles. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10. | 2.7 | 18 |
| 15 | A Photoelectrochemical Sensor Based on Anodic TiO ₂ for Glucose Determination. <i>Sensors</i> , 2019, 19, 4981. | 3.8 | 18 |
| 16 | Dark nanostructured ZnO films formed by anodic oxidation as photoanodes in photoelectrochemical water splitting. <i>Electrochimica Acta</i> , 2022, 414, 140176. | 5.2 | 17 |
| 17 | Primary role of electron work function for evaluation of nanostructured titania implant surface against bacterial infection. <i>Materials Science and Engineering C</i> , 2016, 66, 100-105. | 7.3 | 16 |
| 18 | Reactive and morphological trends on porous anodic TiO ₂ substrates obtained at different annealing temperatures. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4376-4389. | 7.1 | 16 |

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|----|---|-----|-----------|
| 19 | The influence of water-induced crystallization on the photoelectrochemical properties of porous anodic tin oxide films. <i>Journal of Industrial and Engineering Chemistry</i> , 2020, 90, 159-165. | 5.8 | 15 |
| 20 | Drug delivery systems based on titania nanostructures. , 2017, , 299-326. | | 13 |
| 21 | Synthesis and Photoelectrochemical Properties of Anodic Oxide Films on Titanium Formed by Pulse Anodization. <i>Journal of the Electrochemical Society</i> , 2018, 165, H838-H844. | 2.9 | 11 |
| 22 | Photocatalytic Decolorization of Methyl Red on Nanoporous Anodic ZrO ₂ of Different Crystal Structures. <i>Crystals</i> , 2021, 11, 215. | 2.2 | 10 |
| 23 | Synthesis and characterization of anodic WO ₃ layers in situ doped with C, N during anodization. <i>Electrochimica Acta</i> , 2022, 411, 140061. | 5.2 | 10 |
| 24 | Enhanced visible light photoelectrochemical water splitting using nanotubular FeOx-TiO ₂ annealed at different temperatures. <i>Journal of Power Sources</i> , 2021, 507, 230274. | 7.8 | 8 |
| 25 | Photoelectrochemical Performance of Nanotubular Fe ₂ O ₃ â€“TiO ₂ Electrodes under Solar Radiation. <i>Nanomaterials</i> , 2022, 12, 1546. | 4.1 | 6 |
| 26 | Visible-light sensitization of anodic tungsten oxide layers with CuWO ₄ . <i>Electrochimica Acta</i> , 2021, 368, 137591. | 5.2 | 5 |
| 27 | Photoelectrochemical properties of anodic iron oxide layers. <i>Journal of Electroanalytical Chemistry</i> , 2022, , 116143. | 3.8 | 4 |
| 28 | Electrochemical growth and characterization of micro/nanostructured SnOx with crater-like morphology. <i>Electrochimica Acta</i> , 2022, 423, 140608. | 5.2 | 4 |
| 29 | Anodic WO ₃ layers sensitized with hematite operating under the visible light spectrum. <i>Journal of Power Sources</i> , 2022, 541, 231656. | 7.8 | 4 |
| 30 | Physicochemical Investigation of Biosynthesis of a Protein Coating on Glass That Promotes Mammalian Cell Growth Using <i>Lactobacillus rhamnosus</i> GG Bacteria. <i>Coatings</i> , 2021, 11, 1410. | 2.6 | 1 |
| 31 | Tuning the visible light activity of tungsten oxide layers by changing the anodization conditions. <i>Journal of Industrial and Engineering Chemistry</i> , 2022, 112, 316-322. | 5.8 | 1 |