

Pavol Gemeiner

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

325
citations

840776

11
h-index

888059

17
g-index

20
all docs

20
docs citations

20
times ranked

488
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Ultrasensitive impedimetric lectin based biosensor for glycoproteins containing sialic acid. <i>Mikrochimica Acta</i> , 2013, 180, 151-159. | 5.0 | 43 |
| 2 | Polypyrrole-coated multi-walled carbon nanotubes for the simple preparation of counter electrodes in dye-sensitized solar cells. <i>Synthetic Metals</i> , 2015, 210, 323-331. | 3.9 | 41 |
| 3 | 2D MXenes as Perspective Immobilization Platforms for Design of Electrochemical Nanobiosensors. <i>Electroanalysis</i> , 2019, 31, 1833-1844. | 2.9 | 36 |
| 4 | Pt-free counter electrodes based on modified screen-printed PEDOT:PSS catalytic layers for dye-sensitized solar cells. <i>Materials Science in Semiconductor Processing</i> , 2017, 66, 162-169. | 4.0 | 28 |
| 5 | The effect of the ink composition on the performance of carbon-based conductive screen printing inks. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 1034-1044. | 2.2 | 27 |
| 6 | Principal component analysis for the forensic discrimination of black inkjet inks based on the Vis-NIR fibre optics reflection spectra. <i>Forensic Science International</i> , 2015, 257, 285-292. | 2.2 | 24 |
| 7 | Perovskite Solar Cells with Low-Cost TiO ₂ Mesoporous Photoanodes Prepared by Rapid Low-Temperature (70 °C) Plasma Processing. <i>ACS Applied Energy Materials</i> , 2020, 3, 12009-12018. | 5.1 | 21 |
| 8 | The relation between TiO ₂ nano-pastes rheology and dye sensitized solar cell photoanode efficiency. <i>Materials Science in Semiconductor Processing</i> , 2015, 30, 605-611. | 4.0 | 18 |
| 9 | Preparation of polypyrrole/multi-walled carbon nanotube hybrids by electropolymerization combined with a coating method for counter electrodes in dye-sensitized solar cells. <i>Chemical Papers</i> , 2018, 72, 1651-1667. | 2.2 | 16 |
| 10 | Gallic acid-coated silver nanoparticles as perspective drug nanocarriers: bioanalytical study. <i>Analytical and Bioanalytical Chemistry</i> , 2022, 414, 5493-5505. | 3.7 | 14 |
| 11 | Dye-sensitized solar cells based on different nano-oxides on plastic PET substrate. <i>Journal of Physics and Chemistry of Solids</i> , 2015, 76, 17-21. | 4.0 | 12 |
| 12 | Screen-printed conductive carbon layers for dye-sensitized solar cells and electrochemical detection of dopamine. <i>Chemical Papers</i> , 2021, 75, 3817-3829. | 2.2 | 10 |
| 13 | Screen-printed PEDOT:PSS/halloysite counter electrodes for dye-sensitized solar cells. <i>Synthetic Metals</i> , 2019, 256, 116148. | 3.9 | 7 |
| 14 | Forensic discrimination of black laser prints by a combination of chemometric methods and 1/4-ATR-FTIR spectroscopy. <i>Chemical Papers</i> , 2020, 74, 3269-3277. | 2.2 | 7 |
| 15 | Graphene oxide sensors of high sensitivity fabricated using cold atmospheric-pressure hydrogen plasma for use in the detection of small organic molecules. <i>Journal of Applied Physics</i> , 2020, 128, . | 2.5 | 7 |
| 16 | The effect of secondary dopants on screen-printed PEDOT:PSS counter-electrodes for dye-sensitized solar cells. <i>Journal of Applied Polymer Science</i> , 2022, 139, 51929. | 2.6 | 7 |
| 17 | The effect of rapid atmospheric plasma treatment of FTO substrates on the quality of TiO ₂ blocking layers for printed perovskite solar cells. <i>Materials Science in Semiconductor Processing</i> , 2021, 131, 105850. | 4.0 | 6 |
| 18 | The effect of atmospheric cold plasma cleaning of FTO substrates on the quality of TiO ₂ electron transport layers for printed carbon-based perovskite solar cells. , 2020, , . | | 1 |

| # | ARTICLE | IF | CITATIONS |
|----|---|----|-----------|
| 19 | screen-printed molybdenum disulfide electrodes for electrochemical sensing of dopamine. , 2021, , . | | 0 |