

João V Paulin

List of Publications by Year in descending order

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| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Printable and flexible graphene pH sensors utilising thin film melanin for physiological applications. <i>2D Materials</i> , 2020, 7, 024008. | 4.4 | 41 |
| 2 | Melanin synthesis under oxygen pressure. <i>Polymer International</i> , 2016, 65, 1339-1346. | 3.1 | 25 |
| 3 | Biocompatibility investigations of synthetic melanin and melanin analogue for application in bioelectronics. <i>Polymer International</i> , 2016, 65, 1347-1354. | 3.1 | 25 |
| 4 | Identification of Common Resonant Lines in the EPR Spectra of Melanins. <i>Journal of Physical Chemistry B</i> , 2019, 123, 1248-1255. | 2.6 | 22 |
| 5 | From nature to organic (bio)electronics: a review on melanin-inspired materials. <i>Journal of Materials Chemistry C</i> , 2021, 9, 14514-14531. | 5.5 | 21 |
| 6 | Melanin system composition analyzed by XPS depth profiling. <i>Surfaces and Interfaces</i> , 2021, 24, 101053. | 3.0 | 21 |
| 7 | Melanin thin-films: a perspective on optical and electrical properties. <i>Journal of Materials Chemistry C</i> , 2021, 9, 8345-8358. | 5.5 | 21 |
| 8 | Structural and optical properties of soluble melanin analogues with enhanced photoluminescence quantum efficiency. <i>Polymer International</i> , 2018, 67, 550-556. | 3.1 | 19 |
| 9 | Shedding Light on the Free Radical Nature of Sulfonated Melanins. <i>Journal of Physical Chemistry B</i> , 2020, 124, 10365-10373. | 2.6 | 18 |
| 10 | Temperature-enhanced synthesis of DMSO-Melanin. <i>Journal of Molecular Structure</i> , 2014, 1056-1057, 135-140. | 3.6 | 16 |
| 11 | Ultraviolet-protective thin film based on PVA-melanin/rod-coated silver nanowires and its application as a transparent capacitor. <i>Journal of Applied Polymer Science</i> , 2019, 136, 47805. | 2.6 | 15 |
| 12 | High-field/high-frequency EPR spectroscopy on synthetic melanin: on the origin of carbon-centered radicals. <i>Materials Advances</i> , 2021, 2, 6297-6305. | 5.4 | 14 |
| 13 | Solid-State Electrochemical Energy Storage Based on Soluble Melanin. <i>Electrochem</i> , 2021, 2, 264-273. | 3.3 | 12 |
| 14 | A strategy towards melanin-based functional material: rGO and sulfonated melanin composites. <i>Journal of Materials Chemistry C</i> , 2021, 9, 16991-17002. | 5.5 | 8 |
| 15 | Investigation into the suitability of screen printed graphene-melanin pH sensors for use in bacterial culturing applications. <i>Journal of Electroanalytical Chemistry</i> , 2022, 904, 115868. | 3.8 | 5 |
| 16 | Eumelanin-based multisensory platform: A case of study for photolithographic patterning. <i>Applied Materials Today</i> , 2022, 28, 101525. | 4.3 | 4 |
| 17 | Sulfonated melanin derivatives: theoretical evaluation of local reactivities and chemical structures. <i>Journal of Molecular Modeling</i> , 2021, 27, 362. | 1.8 | 2 |