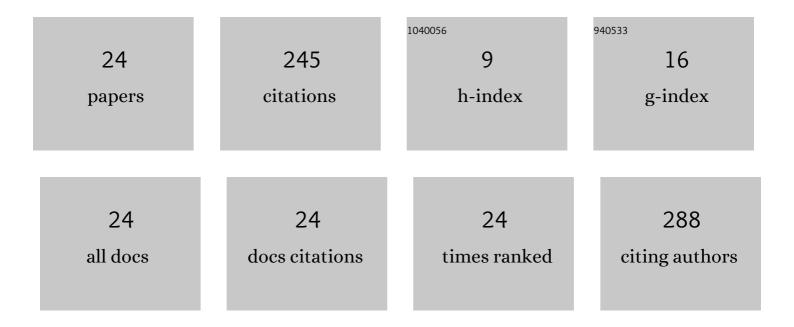
## Ludovica Ruggiero

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/806183/publications.pdf Version: 2024-02-01



| #  | Article   | IF  | CITATIONS |
|----|---|-----|-----------|
| 1  | Multiparameter approach to quantum phase estimation with limited visibility. Optica, 2018, 5, 1171.   | 9.3 | 43        |
| 2  | Encapsulation of environmentally-friendly biocides in silica nanosystems for multifunctional coatings. Applied Surface Science, 2020, 514, 145908.  | 6.1 | 27        |
| 3  | Incorporation of the zosteric sodium salt in silica nanocapsules: synthesis and characterization of new fillers for antifouling coatings. Applied Surface Science, 2018, 439, 705-711.                  | 6.1 | 26        |
| 4  | Silica nanosystems for active antifouling protection: nanocapsules and mesoporous nanoparticles in controlled release applications. Journal of Alloys and Compounds, 2019, 798, 144-148.                | 5.5 | 21        |
| 5  | Characterization and Discrimination of Plastic Materials Using Laser-Induced Fluorescence. Applied Spectroscopy, 2016, 70, 1001-1008.   | 2.2 | 20        |
| 6  | Quantum sensing for dynamical tracking of chemical processes. Physical Review A, 2019, 99, .  | 2.5 | 19        |
| 7  | Synthesis and Characterization of TEOS Coating Added With Innovative Antifouling Silica<br>Nanocontainers and TiO2 Nanoparticles. Frontiers in Materials, 2020, 7, .                                    | 2.4 | 16        |
| 8  | Hydration of monosaccharides studied by Raman scattering. Journal of Raman Spectroscopy, 2018, 49,<br>1066-1075.  | 2.5 | 10        |
| 9  | In situstudy of modern synthetic materials and pigments in contemporary paintings by laser-induced fluorescence scanning. Studies in Conservation, 2015, 60, S178-S184.                                 | 1.1 | 9         |
| 10 | Raman and ATR FT-IR investigations of innovative silica nanocontainers loaded with a biocide for stone conservation treatments. Microchemical Journal, 2020, 155, 104766.                               | 4.5 | 9         |
| 11 | Gel substrates and ammonia-EDTA extraction solution: a new non-destructive combined approach for the identification of anthraquinone dyes from wool textiles. Microchemical Journal, 2020, 155, 104780. | 4.5 | 9         |
| 12 | Effectiveness and Compatibility of Nanoparticle Based Multifunctional Coatings on Natural and<br>Man-Made Stones. Coatings, 2021, 11, 480.  | 2.6 | 8         |
| 13 | One step nanoencapsulation of corrosion inhibitors for gradual release application. Materials Today<br>Chemistry, 2022, 24, 100851.   | 3.5 | 8         |
| 14 | The techniques and materials of a 16th century drawing by Giorgio Vasari: A multi-analytical<br>investigation. Microchemical Journal, 2021, 170, 106757.  | 4.5 | 7         |
| 15 | Assessment of Stone Protective Coatings with a Novel Eco-Friendly Encapsulated Biocide. Coatings, 2021, 11, 1109.   | 2.6 | 6         |
| 16 | Spectroscopic investigation of Cappadocia protoâ€Byzantine paintings. Journal of Raman Spectroscopy,<br>2021, 52, 95-108.   | 2.5 | 2         |
| 17 | Magnetic mesoporous silica nanostructures: investigation of magnetic properties. Nanotechnology, 2020, 31, 465707.  | 2.6 | 2         |
| 18 | The Minnesang riddle: A multi-analytical approach to an undated colour woodcut. Microchemical<br>Journal, 2022, 174, 107072.  | 4.5 | 2         |

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|----|--|-----|-----------|
| 19 | Dating of a unique six-colour relief print by historical and archaeometric methods. European Physical<br>Journal Plus, 2019, 134, 1. | 2.6 | 1         |
| 20 | Multiparameter Approach to Dynamic Quantum Phase Estimation. Proceedings (mdpi), 2019, 12, 55.                                       | 0.2 | 0         |
| 21 | Use of Optical Quantum Sensors to Study Chemical Processes. , 2019, , .  |     | Ο         |
| 22 | Methods for synthesis of nanocontainers. , 2020, , 19-48.  |     | 0         |
| 23 | Multiparameter quantum tracking of optical activity. , 2019, , .   |     | Ο         |
| 24 | Towards real-time optical quantum sensors. , 2019, , .   |     | 0         |