

# Maria Pilar Domingo

## List of Publications by Year in descending order

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18  
papers

354  
citations

932766

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h-index

839053

18  
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18  
docs citations

18  
times ranked

490  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                  | IF  | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 1  | Enhancement of Fluorescence in Thin-Layer Chromatography Induced by the Interaction between n-Alkanes and an Organic Cation. <i>Analytical Chemistry</i> , 2000, 72, 1759-1766.                                                          | 3.2 | 45        |
| 2  | Bis(methylthio)gliotoxin proves to be a more stable and reliable marker for invasive aspergillosis than gliotoxin and suitable for use in diagnosis. <i>Diagnostic Microbiology and Infectious Disease</i> , 2012, 73, 57-64.            | 0.8 | 45        |
| 3  | Preparations for Invasion: Modulation of Host Lung Immunity During Pulmonary Aspergillosis by Gliotoxin and Other Fungal Secondary Metabolites. <i>Frontiers in Immunology</i> , 2018, 9, 2549.                                          | 2.2 | 41        |
| 4  | Quantitative Applications of Fluorescence and Ultraviolet Scanning Densitometry for Compositional Analysis of Petroleum Products in Thin-Layer Chromatography. <i>Journal of Chromatographic Science</i> , 1999, 37, 219-226.            | 0.7 | 32        |
| 5  | Berberine Cation: A Fluorescent Chemosensor for Alkanes and Other Low-Polarity Compounds. An Explanation of This Phenomenon. <i>Organic Letters</i> , 2000, 2, 2311-2313.                                                                | 2.4 | 30        |
| 6  | Clinical validity of bis(methylthio)gliotoxin for the diagnosis of invasive aspergillosis. <i>Applied Microbiology and Biotechnology</i> , 2016, 100, 2327-2334.                                                                         | 1.7 | 28        |
| 7  | Berberine: A Fluorescent Alkaloid with a Variety of Applications from Medicine to Chemistry. <i>Mini-Reviews in Organic Chemistry</i> , 2010, 7, 335-340.                                                                                | 0.6 | 26        |
| 8  | Fluorescence detection by intensity changes for high-performance thin-layer chromatography separation of lipids using automated multiple development. <i>Journal of Chromatography A</i> , 2011, 1218, 2668-2675.                        | 1.8 | 21        |
| 9  | Blinking effect and the use of quantum dots in single molecule spectroscopy. <i>Biochemical and Biophysical Research Communications</i> , 2013, 430, 260-264.                                                                            | 1.0 | 15        |
| 10 | FRET Based Quantification and Screening Technology Platform for the Interactions of Leukocyte Function-Associated Antigen-1 (LFA-1) with InterCellular Adhesion Molecule-1 (ICAM-1). <i>PLoS ONE</i> , 2014, 9, e102572.                 | 1.1 | 15        |
| 11 | In Vitro and In Vivo Antibacterial Activity of Gliotoxin Alone and in Combination with Antibiotics against <i>Staphylococcus aureus</i> . <i>Toxins</i> , 2021, 13, 85.                                                                  | 1.5 | 12        |
| 12 | A Functional Analysis on the Interspecies Interaction between Mouse LFA-1 and Human Intercellular Adhesion Molecule-1 at the Cell Level. <i>Frontiers in Immunology</i> , 2017, 8, 1817.                                                 | 2.2 | 11        |
| 13 | Production of the Invasive Aspergillosis Biomarker Bis(methylthio)gliotoxin Within the Genus <i>Aspergillus</i> : In Vitro and in Vivo Metabolite Quantification and Genomic Analysis. <i>Frontiers in Microbiology</i> , 2018, 9, 1246. | 1.5 | 10        |
| 14 | Recombinant production of human ICAM-1 chimeras by single step on column refolding and purification. <i>Process Biochemistry</i> , 2013, 48, 708-715.                                                                                    | 1.8 | 6         |
| 15 | The effect of acidic pH on the inhibitory efficacy of peptides against the interaction ICAM-1/LFA-1 studied by surface plasmon resonance (SPR). <i>Biosensors and Bioelectronics</i> , 2014, 56, 159-166.                                | 5.3 | 6         |
| 16 | Disseminated aspergillosis in an immunocompetent patient with detectable bis(methylthio)gliotoxin and negative galactomannan. <i>Revista Iberoamericana De Micología</i> , 2017, 34, 49-52.                                              | 0.4 | 5         |
| 17 | Intracellular Delivery of Biologically-Active Fungal Metabolite Gliotoxin Using Magnetic Nanoparticles. <i>Materials</i> , 2019, 12, 1092.                                                                                               | 1.3 | 4         |
| 18 | Integration of In Silico and In Vitro Analysis of Gliotoxin Production Reveals a Narrow Range of Producing Fungal Species. <i>Journal of Fungi (Basel, Switzerland)</i> , 2022, 8, 361.                                                  | 1.5 | 2         |