

# Michele De Luca

## List of Publications by Year in Descending Order

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

59  
papers

943  
citations

21  
h-index

28  
g-index

63  
ext. papers

1,090  
ext. citations

4.1  
avg, IF

4.25  
L-index

| #  | Paper  | IF  | Citations |
|----|--|-----|-----------|
| 59 | Interaction of letrozole and its degradation products with aromatase: chemometric assessment of kinetics and structure-based binding validation. <i>Journal of Enzyme Inhibition and Medicinal Chemistry</i> , <b>2022</b> , 37, 1600-1609 | 5.6 | 1         |
| 58 | Coupling of spectrometric, chromatographic, and chemometric analysis in the investigation of the photodegradation of sulfamethoxazole.. <i>Talanta</i> , <b>2021</b> , 239, 122953   | 6.2 | 2         |
| 57 | Efficacy of Red Glass in Protecting 1,4-Dihydropyridine Antihypertensive Drugs in Liquid Formulations. <i>Applied Sciences (Switzerland)</i> , <b>2021</b> , 11, 3442  | 2.6 |           |
| 56 | Toward Multitasking Pharmacological COX-Targeting Agents: Non-Steroidal Anti-Inflammatory Prodrugs with Antiproliferative Effects. <i>Molecules</i> , <b>2021</b> , 26,  | 4.8 | 1         |
| 55 | Spectral Data Analysis for a Complex Drug Mixture Containing Altizide, Potassium Canrenoate, and Rescinnamine. <i>Journal of Applied Spectroscopy</i> , <b>2021</b> , 87, 1079-1086  | 0.7 | 0         |
| 54 | Central retinal thickness fluctuations in patients treated with anti-VEGF for neovascular age related macular degeneration. <i>European Journal of Ophthalmology</i> , <b>2021</b> , 11206721211037820                                     | 1.9 | 0         |
| 53 | Photostability study of multicomponent drug formulations via MCR-ALS: The case of the hydrochlorothiazide-amiloride mixture. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2020</b> , 186, 113332                          | 3.5 | 7         |
| 52 | Gel Formulation of Nabumetone and a Newly Synthesized Analog: Microemulsion as a Photoprotective Topical Delivery System. <i>Pharmaceutics</i> , <b>2020</b> , 12,   | 6.4 | 4         |
| 51 | Essential Oils of <i>Foeniculum vulgare</i> subsp. <i>piperitum</i> and Their in Vitro Anti-Arthritic Potential. <i>Chemistry and Biodiversity</i> , <b>2020</b> , 17, e2000388  | 2.5 | 3         |
| 50 | Assessment of Surface Water Quality Using Multivariate Analysis: Case Study of the Crati River, Italy. <i>Water (Switzerland)</i> , <b>2020</b> , 12, 2214   | 3   | 8         |
| 49 | Cyclodextrins in topical gel formulation as photoprotective system for Nabumetone. <i>IOP Conference Series: Materials Science and Engineering</i> , <b>2020</b> , 777, 012005   | 0.4 |           |
| 48 | Evaluation of human breastmilk adulteration by combining Fourier transform infrared spectroscopy and partial least square modeling. <i>Food Science and Nutrition</i> , <b>2019</b> , 7, 2194-2201   | 3.2 | 7         |
| 47 | Reverse Transcriptase Inhibitors Nanosystems Designed for Drug Stability and Controlled Delivery. <i>Pharmaceutics</i> , <b>2019</b> , 11,   | 6.4 | 9         |
| 46 | 1,4-Dihydropyridine Antihypertensive Drugs: Recent Advances in Photostabilization Strategies. <i>Pharmaceutics</i> , <b>2019</b> , 11,   | 6.4 | 26        |
| 45 | CCR5/CXCR4 Dual Antagonism for the Improvement of HIV Infection Therapy. <i>Molecules</i> , <b>2019</b> , 24,  | 4.8 | 14        |
| 44 | A New Generation of Dihydropyridine Calcium Channel Blockers: Photostabilization of Liquid Formulations Using Nonionic Surfactants. <i>Pharmaceutics</i> , <b>2019</b> , 11,   | 6.4 | 5         |
| 43 | Photo and thermal stress of linseed oil and stabilization strategies. <i>Journal of Food Science and Technology</i> , <b>2019</b> , 56, 614-623  | 3.3 |           |

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| 42 | PHOTODEGRADATION OF 1, 4-DIHYDROPYRIDINE ANTIHYPERTENSIVE DRUGS: AN UPDATED REVIEW. <i>International Journal of Pharmacy and Pharmaceutical Sciences</i> , <b>2018</b> , 10, 8  | 0.3 | 6  |
| 41 | A critical evaluation of the analytical techniques in the photodegradation monitoring of edible oils. <i>LWT - Food Science and Technology</i> , <b>2017</b> , 76, 147-155  | 5.4 | 12 |
| 40 | Photosensitive drugs: a review on their photoprotection by liposomes and cyclodextrins. <i>Drug Delivery</i> , <b>2017</b> , 24, 33-44  | 7   | 26 |
| 39 | Light-sensitive drugs in topical formulations: stability indicating methods and photostabilization strategies. <i>Future Medicinal Chemistry</i> , <b>2017</b> , 9, 1795-1808   | 4.1 | 6  |
| 38 | Synthesis and photodegradation studies of analogues of muscle relaxant 1,4-dihydropyridine compounds. <i>Acta Pharmaceutica</i> , <b>2017</b> , 67, 341-355   | 3.2 | 5  |
| 37 | A single MCR-ALS model for drug analysis in different formulations: Application on diazepam commercial preparations. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2017</b> , 134, 346-351                        | 3.5 | 11 |
| 36 | Chemometric classification of citrus juices of Moroccan cultivars by infrared spectroscopy. <i>Czech Journal of Food Sciences</i> , <b>2016</b> , 33, 137-142   | 1.3 | 8  |
| 35 | Photodegradation studies of 1,4-dihydropyridine compounds by MCR analysis on UV spectral data. <i>Future Medicinal Chemistry</i> , <b>2016</b> , 8, 107-15  | 4.1 | 8  |
| 34 | Chemometric analysis for discrimination of extra virgin olive oils from whole and stoned olive pastes. <i>Food Chemistry</i> , <b>2016</b> , 202, 432-7   | 8.5 | 29 |
| 33 | Optimization of wavelength range and data interval in chemometric analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical Analysis</i> , <b>2016</b> , 6, 64-69   | 14  | 11 |
| 32 | Stability-Indicating Methods for NSAIDs in Topical Formulations and Photoprotection in Host-Guest Matrices. <i>Mini-Reviews in Medicinal Chemistry</i> , <b>2016</b> , 16, 676-82   | 3.2 | 3  |
| 31 | Acute Toxicity of Antibiotics in Surface Waters by Bioluminescence Test. <i>Current Pharmaceutical Analysis</i> , <b>2016</b> , 12, 220-226   | 0.6 | 7  |
| 30 | Biogenic Amines as Quality Marker in Organic and Fair-Trade Cocoa-Based Products. <i>Sustainability</i> , <b>2016</b> , 8, 856  | 3.6 | 5  |
| 29 | Photostabilization studies of antihypertensive 1,4-dihydropyridines using polymeric containers. <i>International Journal of Pharmaceutics</i> , <b>2016</b> , 505, 376-82   | 6.5 | 13 |
| 28 | Photostability and ex-vivo permeation studies on diclofenac in topical niosomal formulations. <i>International Journal of Pharmaceutics</i> , <b>2015</b> , 494, 490-7  | 6.5 | 33 |
| 27 | The difficulties for a photolabile drug in topical formulations: the case of diclofenac. <i>International Journal of Pharmaceutics</i> , <b>2014</b> , 465, 284-90  | 6.5 | 19 |
| 26 | Cumulative area pre-processing (CAP): a new treatment of UV data for the analysis of complex pharmaceutical mixtures. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2014</b> , 90, 45-51                          | 3.5 | 5  |
| 25 | Prediction of the geographical origin of butters by partial least square discriminant analysis (PLS-DA) applied to infrared spectroscopy (FTIR) data. <i>Journal of Food Composition and Analysis</i> , <b>2014</b> , 33, 210-215 | 4.1 | 74 |

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| 24 | Multivariate curve resolution of incomplete fused multiset data from chromatographic and spectrophotometric analyses for drug photostability studies. <i>Analytica Chimica Acta</i> , <b>2014</b> , 837, 31-7  | 6.6 | 31 |
| 23 | Photostability of barnidipine in combined cyclodextrin-in-liposome matrices. <i>Future Medicinal Chemistry</i> , <b>2014</b> , 6, 35-43  | 4.1 | 27 |
| 22 | Study of photodegradation kinetics of melatonin by multivariate curve resolution (MCR) with estimation of feasible band boundaries. <i>Drug Testing and Analysis</i> , <b>2013</b> , 5, 96-102   | 3.5 | 23 |
| 21 | Lonidamine and related impurities: HPLC analysis, stability profile and degradation pathways. <i>Analytical Methods</i> , <b>2013</b> , 5, 1715  | 3.2 | 2  |
| 20 | Classification of moroccan olive cultivars by linear discriminant analysis applied to ATR-FTIR spectra of endocarps. <i>International Journal of Food Science and Technology</i> , <b>2012</b> , 47, 1286-1292   | 3.8 | 31 |
| 19 | A study of pH-dependent photodegradation of amiloride by a multivariate curve resolution approach to combined kinetic and acid-base titration UV data. <i>Analyst, The</i> , <b>2012</b> , 137, 5428-35  | 5   | 29 |
| 18 | Fractional Wavelet Transform-Continuous Wavelet Transform for the Quantification of Melatonin and Its Photodegradation Product. <i>Spectroscopy Letters</i> , <b>2012</b> , 45, 337-343  | 1.1 | 10 |
| 17 | HPLC Determination of Antihistaminic Drugs in Surface Waters and Toxicological Evaluation by Vibrio Fischeri Test. <i>Current Pharmaceutical Analysis</i> , <b>2012</b> , 8, 196-205   | 0.6 | 2  |
| 16 | Trace lead monitoring in waters by potentiometric stripping analysis. <i>European Journal of Water Quality</i> , <b>2012</b> , 43, 43-52   |     |    |
| 15 | Artificial neural network combined with principal component analysis for resolution of complex pharmaceutical formulations. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2011</b> , 59, 35-40  | 1.9 | 13 |
| 14 | A discriminant method for classification of Moroccan olive varieties by using direct FT-IR analysis of the mesocarp section. <i>Vibrational Spectroscopy</i> , <b>2011</b> , 56, 123-128   | 2.1 | 23 |
| 13 | Derivative FTIR spectroscopy for cluster analysis and classification of morocco olive oils. <i>Food Chemistry</i> , <b>2011</b> , 124, 1113-1118   | 8.5 | 79 |
| 12 | Different photodegradation behavior of barnidipine under natural and forced irradiation. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , <b>2010</b> , 215, 205-213   | 4.7 | 24 |
| 11 | Kinetic studies of nitrofurazone photodegradation by multivariate curve resolution applied to UV-spectral data. <i>International Journal of Pharmaceutics</i> , <b>2010</b> , 386, 99-107  | 6.5 | 32 |
| 10 | Multivariate calibration techniques applied to derivative spectroscopy data for the analysis of pharmaceutical mixtures. <i>Chemometrics and Intelligent Laboratory Systems</i> , <b>2009</b> , 96, 14-21  | 3.8 | 53 |
| 9  | Prediction of photosensitivity of 1,4-dihydropyridine antihypertensives by quantitative structure-property relationship. <i>Talanta</i> , <b>2009</b> , 79, 1418-24  | 6.2 | 27 |
| 8  | Monitoring of water quality in South Paris district by clustering and SIMCA classification. <i>International Journal of Environmental Analytical Chemistry</i> , <b>2008</b> , 88, 1087-1105   | 1.8 | 4  |
| 7  | Multivariate analysis of paracetamol, propiphenazone, caffeine and thiamine in quaternary mixtures by PCR, PLS and ANN calibrations applied on wavelet transform data. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2008</b> , 48, 1471-5 | 3.5 | 29 |

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| 6 | An application of cluster analysis and multivariate classification methods to spring water monitoring data. <i>Microchemical Journal</i> , <b>2007</b> , 87, 119-127   | 4.8 | 46 |
| 5 | Determination of trapidil in human serum and urine by derivative UV spectrophotometry after selective solid-phase extraction. <i>Analytical and Bioanalytical Chemistry</i> , <b>2007</b> , 389, 923-9                     | 4.4 | 4  |
| 4 | Photostabilization of 1,4-dihydropyridine antihypertensives by incorporation into beta-cyclodextrin and liposomes. <i>Journal of Nanoscience and Nanotechnology</i> , <b>2006</b> , 6, 2979-85                             | 1.3 | 22 |
| 3 | Photo- and thermal-stability studies on benzimidazole anthelmintics by HPLC and GC-MS. <i>Chemical and Pharmaceutical Bulletin</i> , <b>2006</b> , 54, 802-6   | 1.9 | 23 |
| 2 | A critical study on the application of the zero-crossing derivative spectrophotometry to the photodegradation monitoring of lacidipine. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , <b>2006</b> , 42, 39-45 | 3.5 | 26 |
| 1 | Improvement of multivariate calibration techniques applied to 1-to-N component mixtures through an optimized experimental design. <i>Microchemical Journal</i> , <b>2006</b> , 83, 24-34                                   | 4.8 | 12 |