

Mara Gabriela Lagorio

List of Publications by Citations

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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.

54 papers	1,035 citations	21 h-index	30 g-index
54 ext. papers	1,189 ext. citations	4.8 avg, IF	4.56 L-index

#	Paper	IF	Citations
54	True fluorescence spectra of leaves. <i>Photochemical and Photobiological Sciences</i> , 2004 , 3, 1063-6	4.2	67
53	Reviewing the relevance of fluorescence in biological systems. <i>Photochemical and Photobiological Sciences</i> , 2015 , 14, 1538-59	4.2	66
52	Modeling of fluorescence quantum yields of supported dyes. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1998 , 94, 419-425		58
51	Quantum yield of singlet molecular oxygen sensitization by copper(II) tetracarboxyphthalocyanine. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 1989 , 3, 615-624	6.7	49
50	Optical properties of the adaxial and abaxial faces of leaves. Chlorophyll fluorescence, absorption and scattering coefficients. <i>Photochemical and Photobiological Sciences</i> , 2007 , 6, 873-82	4.2	45
49	Naturally occurring fluorescence in frogs. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 3672-3677	11.5	44
48	Rose Bengal adsorbed on microgranular cellulose: evidence on fluorescent dimers. <i>Photochemical and Photobiological Sciences</i> , 2004 , 3, 674-80	4.2	41
47	Modeling re-absorption of fluorescence from the leaf to the canopy level. <i>Remote Sensing of Environment</i> , 2018 , 204, 138-146	13.2	39
46	Visible and near-IR spectroscopic and photochemical characterization of substituted metallophthalocyanines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1993 , 72, 153-161	4.7	38
45	Absorption and Scattering Coefficients: A Biophysical-Chemistry Experiment Using Reflectance Spectroscopy. <i>Journal of Chemical Education</i> , 2007 , 84, 1167	2.4	37
44	Re-absorption of chlorophyll fluorescence in leaves revisited. A comparison of correction models. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 735-40	4.2	35
43	Photophysics on surfaces: determination of absolute fluorescence quantum yields from reflectance spectra. <i>Langmuir</i> , 2004 , 20, 3690-7	4	34
42	Is the flower fluorescence relevant in biocommunication?. <i>Die Naturwissenschaften</i> , 2010 , 97, 915-24	2	31
41	Meso-substituted cationic porphyrins of biological interest. Photophysical and physicochemical properties in solution and bound to liposomes. <i>Photochemistry and Photobiology</i> , 2000 , 72, 49-56	3.6	31
40	Photophysics of supported dyes: phthalocyanine on silanized silica. <i>Physical Chemistry Chemical Physics</i> , 2002 , 4, 224-231	3.6	30
39	Atrazine and Methyl Viologen Effects on Chlorophyll-a Fluorescence Revisited-Implications in Photosystems Emission and Ecotoxicity Assessment. <i>Photochemistry and Photobiology</i> , 2014 , 90, 107-12	3.6	26
38	Biosorption of arsenic from groundwater using <i>Vallisneria spiralis</i> plants. Kinetics, equilibrium and photophysical considerations. <i>Chemosphere</i> , 2015 , 138, 383-9	8.4	24

37	Effects of gold nanoparticles on the photophysical and photosynthetic parameters of leaves and chloroplasts. <i>Photochemical and Photobiological Sciences</i> , 2018 , 17, 505-516	4.2	24
36	Why Do Marbles Become Paler on Grinding? Reflectance, Spectroscopy, Color, and Particle Size. <i>Journal of Chemical Education</i> , 2004 , 81, 1607	2.4	24
35	A model considering light reabsorption processes to correct in vivo chlorophyll fluorescence spectra in apples. <i>Photochemical and Photobiological Sciences</i> , 2006 , 5, 508-12	4.2	21
34	Photophysics on surfaces: Absorption and luminescence properties of Pheophorbide-a on cellulose. <i>Physical Chemistry Chemical Physics</i> , 2001 , 3, 1524-1529	3.6	21
33	Effect of Phosphorus Deficiency on Reflectance and Chlorophyll Fluorescence of Cotyledons of Oilseed Rape (<i>Brassica napus</i> L.). <i>Journal of Agronomy and Crop Science</i> , 2009 , 195, 186-196	3.9	20
32	Photophysical Properties of Supported Dyes. Quantum Yield Calculations in Scattering Media. <i>Progress in Reaction Kinetics and Mechanism</i> , 2001 , 26, 159-177	0.5	19
31	Lead effects on <i>Brassica napus</i> photosynthetic organs. <i>Ecotoxicology and Environmental Safety</i> , 2017 , 140, 123-130	7	18
30	Chlorophyll fluorescence, photochemical reflective index and normalized difference vegetative index during plant senescence. <i>Journal of Plant Physiology</i> , 2016 , 199, 100-110	3.6	18
29	Fluorescent Frogs: A Herpetological Perspective. <i>South American Journal of Herpetology</i> , 2017 , 12, 1-13	0.9	16
28	Modelling chlorophyll fluorescence of kiwi fruit (<i>Actinidia deliciosa</i>). <i>Photochemical and Photobiological Sciences</i> , 2012 , 11, 724-30	4.2	16
27	Biospectroscopy of <i>Rhododendron indicum</i> flowers. Non-destructive assessment of anthocyanins in petals using a reflectance-based method. <i>Photochemical and Photobiological Sciences</i> , 2009 , 8, 337-44	4.2	13
26	Microcrystalline cellulose as a carrier for hydrophobic photosensitizers in water. <i>Photochemical and Photobiological Sciences</i> , 2002 , 1, 198-203	4.2	13
25	Photophysics at Unusually High Dye Concentrations. <i>Accounts of Chemical Research</i> , 2019 , 52, 110-118	24.3	13
24	Implications of reflectance and fluorescence of <i>Rhododendron indicum</i> flowers in biosignaling. <i>Photochemical and Photobiological Sciences</i> , 2010 , 9, 342-8	4.2	12
23	Fluorescent and ultraviolet sexual dichromatism in the blue-winged parrotlet. <i>Journal of Zoology</i> , 2012 , 288, 135-142	2	11
22	Variability in chlorophyll fluorescence spectra of eggplant fruit grown under different light environments: a case study. <i>Photochemical and Photobiological Sciences</i> , 2017 , 16, 711-720	4.2	10
21	How Does Light Scattering Affect Luminescence? Fluorescence Spectra and Quantum Yields in the Solid Phase. <i>Journal of Chemical Education</i> , 2002 , 79, 1362	2.4	9
20	Re-absorption and scattering of chlorophyll fluorescence in canopies: A revised approach. <i>Remote Sensing of Environment</i> , 2020 , 246, 111860	13.2	8

- 19 Multiple origins of green coloration in frogs mediated by a novel biliverdin-binding serpin. *Proceedings of the National Academy of Sciences of the United States of America*, **2020**, 117, 18574-18581 ^{11.5} 8
- 18 Reflectance Spectroscopy Using Wine Bottle Glass: An Undergraduate Experiment. *Journal of Chemical Education*, **1999**, 76, 1551 2.4 7
- 17 Biospectroscopy, biospectrometry and imaging of *Ilex paraguariensis*. Basis for non-destructive quality evaluation using artificial vision. *Photochemical and Photobiological Sciences*, **2016**, 15, 879-88 4.2 5
- 16 Spectroscopy, microscopy and fluorescence imaging of *Origanum vulgare* L. basis for nondestructive quality assessment. *Photochemistry and Photobiology*, **2013**, 89, 1383-90 3.6 5
- 15 MALDI- and LDI-MS saponin fingerprint of leaves and stick components of commercial yerba mate (*Ilex paraguariensis*). *Journal of Mass Spectrometry*, **2019**, 54, 195-203 2.2 5
- 14 Arsenic effects on some photophysical parameters of *Cichorium intybus* under different radiation and water irrigation regimes. *Chemosphere*, **2018**, 204, 398-404 8.4 4
- 13 Quantitative Effects of Pigmentation on the Re-absorption of Chlorophyll a Fluorescence and Energy Partitioning in Leaves. *Photochemistry and Photobiology*, **2019**, 95, 1360-1368 3.6 4
- 12 The Kinetics of Dissolution Revisited. *Journal of Chemical Education*, **2003**, 80, 1042 2.4 4
- 11 A cost-effective algae-based biosensor for water quality analysis: Development and testing in collaboration with peasant communities. *Environmental Technology and Innovation*, **2021**, 22, 101479 7 4
- 10 Determination of Fluorescence Quantum Yields in Scattering Media. *Methods and Applications in Fluorescence*, **2020**, 3.1 2
- 9 Rapid spectroscopic method to assess moisture content in free and packaged oregano (*Origanum vulgare* L.). *Journal of Applied Research on Medicinal and Aromatic Plants*, **2016**, 3, 211-214 2.6 2
- 8 ASSESSMENT OF THE ROLE OF FLUORESCENT ROOT AND SEED EXUDATES IN CROP PLANTS. *Journal of Plant Nutrition*, **2013**, 36, 811-824 2.3 1
- 7 Simulation and optimization of a lamella settler for cattle feedlot wastewater treatment and nutrients recovery. Experimental validation in the field. *Heliyon*, **2020**, 6, e05840 3.6 1
- 6 Influence of Surface Structure, Pigmentation and Particulate Matter on Plant Reflectance and Fluorescence. *Photochemistry and Photobiology*, **2021**, 97, 110-121 3.6 1
- 5 Canopy active fluorescence spectrum tracks ANPP changes upon irrigation treatments in soybean crop. *Remote Sensing of Environment*, **2021**, 263, 112525 13.2 1
- 4 Electron Densities: Pictorial Analogies for Apparent Ambiguities in Probability Calculations. *Journal of Chemical Education*, **2000**, 77, 1444 2.4 0
- 3 Enrique San Román (1945-2019). *Photochemistry and Photobiology*, **2021**, 97, 5-7 3.6
- 2 A mathematical approach to assess the ability of light filters to improve color discriminability of color vision deficient persons. *Heliyon*, **2021**, 7, e08058 3.6

- 1 Nanobiophotonics. Effect of carbon nanoparticles on the optical and spectroscopic properties of Cichorium intybus leaves. *Journal of Photochemistry and Photobiology*, **2022**, 10, 100121 o.8