Mara Gabriela Lagorio

List of Publications by Year in Descending Order

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	Nanobiophotonics. Effect of carbon nanoparticles on the optical and spectroscopic properties of Cichorium intybus leaves. *Journal of Photochemistry and Photobiology*, **2022**, 10, 100121	0.8	
53	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
52	Influence of Surface Structure, Pigmentation and Particulate Matter on Plant Reflectance and Fluorescence. *Photochemistry and Photobiology*, **2021**, 97, 110-121	3.6	1
51	Enrique San Román (1945–2019). *Photochemistry and Photobiology*, **2021**, 97, 5-7	3.6	
50	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	
49	Canopy active fluorescence spectrum tracks ANPP changes upon irrigation treatments in soybean crop. *Remote Sensing of Environment*, **2021**, 263, 112525	13.2	1
48	Re-absorption and scattering of chlorophyll fluorescence in canopies: A revised approach. *Remote Sensing of Environment*, **2020**, 246, 111860	13.2	8
47	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
46	Determination of Fluorescence Quantum Yields in Scattering Media. *Methods and Applications in Fluorescence*, **2020**,	3.1	2
45	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
44	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
43	Photophysics at Unusually High Dye Concentrations. *Accounts of Chemical Research*, **2019**, 52, 110-118	24.3	13
42	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
41	Arsenic effects on some photophysical parameters of Cichorium intybus under different radiation and water irrigation regimes. *Chemosphere*, **2018**, 204, 398-404	8.4	4
40	Effects of gold nanoparticles on the photophysical and photosynthetic parameters of leaves and chloroplasts. *Photochemical and Photobiological Sciences*, **2018**, 17, 505-516	4.2	24
39	Modeling re-absorption of fluorescence from the leaf to the canopy level. *Remote Sensing of Environment*, **2018**, 204, 138-146	13.2	39
38	Lead effects on Brassica napus photosynthetic organs. *Ecotoxicology and Environmental Safety*, **2017**, 140, 123-130	7	18

37	Variability in chlorophyll fluorescence spectra of eggplant fruit grown under different light environments: a case study. *Photochemical and Photobiological Sciences*, **2017**, 16, 711-720	4.2	10
36	Fluorescent Frogs: A Herpetological Perspective. *South American Journal of Herpetology*, **2017**, 12, 1-13	0.9	16
35	Naturally occurring fluorescence in frogs. *Proceedings of the National Academy of Sciences of the United States of America*, **2017**, 114, 3672-3677	11.5	44
34	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
33	Chlorophyll fluorescence, photochemical reflective index and normalized difference vegetative index during plant senescence. *Journal of Plant Physiology*, **2016**, 199, 100-110	3.6	18
32	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
31	Biosorption of arsenic from groundwater using Vallisneria gigantea plants. Kinetics, equilibrium and photophysical considerations. *Chemosphere*, **2015**, 138, 383-9	8.4	24
30	Reviewing the relevance of fluorescence in biological systems. *Photochemical and Photobiological Sciences*, **2015**, 14, 1538-59	4.2	66
29	Atrazine and Methyl Viologen Effects on Chlorophyll-a Fluorescence Revisited-Implications in Photosystems Emission and Ecotoxicity Assessment. *Photochemistry and Photobiology*, **2014**, 90, 107-12	3.6	26
28	Spectroscopy, microscopy and fluorescence imaging of Origanum vulgare L. basis for nondestructive quality assessment. *Photochemistry and Photobiology*, **2013**, 89, 1383-90	3.6	5
27	ASSESSMENT OF THE ROLE OF FLUORESCENT ROOT AND SEED EXUDATES IN CROP PLANTS. *Journal of Plant Nutrition*, **2013**, 36, 811-824	2.3	1
26	Modelling chlorophyll fluorescence of kiwi fruit (Actinidia deliciosa). *Photochemical and Photobiological Sciences*, **2012**, 11, 724-30	4.2	16
25	Fluorescent and ultraviolet sexual dichromatism in the blue-winged parrotlet. *Journal of Zoology*, **2012**, 288, 135-142	2	11
24	Implications of reflectance and fluorescence of Rhododendron indicum flowers in biosignaling. *Photochemical and Photobiological Sciences*, **2010**, 9, 342-8	4.2	12
23	Is the flower fluorescence relevant in biocommunication?. *Die Naturwissenschaften*, **2010**, 97, 915-24	2	31
22	Effect of Phosphorus Deficiency on Reflectance and Chlorophyll Fluorescence of Cotyledons of Oilseed Rape (Brassica napus L.). *Journal of Agronomy and Crop Science*, **2009**, 195, 186-196	3.9	20
21	Biospectroscopy of Rhododendron indicum flowers. Non-destructive assessment of anthocyanins in petals using a reflectance-based method. *Photochemical and Photobiological Sciences*, **2009**, 8, 337-44	4.2	13
20	Optical properties of the adaxial and abaxial faces of leaves. Chlorophyll fluorescence, absorption and scattering coefficients. *Photochemical and Photobiological Sciences*, **2007**, 6, 873-82	4.2	45

19	Absorption and Scattering Coefficients: A Biophysical-Chemistry Experiment Using Reflectance Spectroscopy. *Journal of Chemical Education*, **2007**, 84, 1167	2.4	37
18	Re-absorption of chlorophyll fluorescence in leaves revisited. A comparison of correction models. *Photochemical and Photobiological Sciences*, **2006**, 5, 735-40	4.2	35
17	A model considering light reabsorption processes to correct in vivo chlorophyll fluorescence spectra in apples. *Photochemical and Photobiological Sciences*, **2006**, 5, 508-12	4.2	21
16	Photophysics on surfaces: determination of absolute fluorescence quantum yields from reflectance spectra. *Langmuir*, **2004**, 20, 3690-7	4	34
15	Rose Bengal adsorbed on microgranular cellulose: evidence on fluorescent dimers. *Photochemical and Photobiological Sciences*, **2004**, 3, 674-80	4.2	41
14	Why Do Marbles Become Paler on Grinding? Reflectance, Spectroscopy, Color, and Particle Size. *Journal of Chemical Education*, **2004**, 81, 1607	2.4	24
13	True fluorescence spectra of leaves. *Photochemical and Photobiological Sciences*, **2004**, 3, 1063-6	4.2	67
12	The Kinetics of Dissolution Revisited. *Journal of Chemical Education*, **2003**, 80, 1042	2.4	4
11	Microcrystalline cellulose as a carrier for hydrophobic photosensitizers in water. *Photochemical and Photobiological Sciences*, **2002**, 1, 198-203	4.2	13
10	Photophysics of supported dyes: phthalocyanine on silanized silica. *Physical Chemistry Chemical Physics*, **2002**, 4, 224-231	3.6	30
9	How Does Light Scattering Affect Luminescence? Fluorescence Spectra and Quantum Yields in the Solid Phase. *Journal of Chemical Education*, **2002**, 79, 1362	2.4	9
8	Photophysical Properties of Supported Dyes. Quantum Yield Calculations in Scattering Media. *Progress in Reaction Kinetics and Mechanism*, **2001**, 26, 159-177	0.5	19
7	Photophysics on surfaces: Absorption and luminescence properties of Pheophorbide-a on cellulose. *Physical Chemistry Chemical Physics*, **2001**, 3, 1524-1529	3.6	21
6	Electron Densities: Pictorial Analogies for Apparent Ambiguities in Probability Calculations. *Journal of Chemical Education*, **2000**, 77, 1444	2.4	0
5	Meso-substituted cationic porphyrins of biological interest. Photophysical and physicochemical properties in solution and bound to liposomes. *Photochemistry and Photobiology*, **2000**, 72, 49-56	3.6	31
4	Reflectance Spectroscopy Using Wine Bottle Glass: An Undergraduate Experiment. *Journal of Chemical Education*, **1999**, 76, 1551	2.4	7
3	Modeling of fluorescence quantum yields of supported dyes. *Journal of the Chemical Society, Faraday Transactions*, **1998**, 94, 419-425		58
2	Visible and near-IR spectroscopic and photochemical characterization of substituted metallophthalocyanines. *Journal of Photochemistry and Photobiology A: Chemistry*, **1993**, 72, 153-161	4.7	38

1	Quantum yield of singlet molecular oxygen sensitization by copper(II) tetracarboxyphthalocy anine. *Journal of Photochemistry and Photobiology B: Biology*, **1989**, 3, 615-624	6.7	49