

# Antônio L Maçanita

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7648824/publications.pdf>

Version: 2024-02-01

108  
papers

3,808  
citations

126858

33  
h-index

143943

57  
g-index

109  
all docs

109  
docs citations

109  
times ranked

3596  
citing authors

#	ARTICLE	IF	CITATIONS
1	Comprehensive Evaluation of the Absorption, Photophysical, Energy Transfer, Structural, and Theoretical Properties of $\hat{I}\pm$ -Oligothiophenes with One to Seven Rings. <i>The Journal of Physical Chemistry</i> , 1996, 100, 18683-18695.	2.9	505
2	Comprehensive investigation of the solution photophysics and theoretical aspects of oligothiophenes of 1-7 rings. <i>Pure and Applied Chemistry</i> , 1995, 67, 9-16.	0.9	172
3	Photophysical Behavior of Coumarins as a Function of Substitution and Solvent: Experimental Evidence for the Existence of a Lowest Lying $1(n,\pi^*)$ State. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6054-6058.	2.9	170
4	Kinetics and Thermodynamics of Poly(9,9-dioctylfluorene) $\hat{I}^2$ -Phase Formation in Dilute Solution. <i>Macromolecules</i> , 2006, 39, 5854-5864.	2.2	122
5	Alternating Binaphthyl $\hat{I}$ -Thiophene Copolymers: Synthesis, Spectroscopy, and Photophysics and Their Relevance to the Question of Energy Migration versus Conformational Relaxation. <i>Macromolecules</i> , 2009, 42, 1710-1719.	2.2	90
6	Color Stabilization of Malvidin 3-Glucoside: $\hat{A}$ Self-Aggregation of the Flavylum Cation and Copigmentation with the Z-Chalcone Form. <i>Journal of Physical Chemistry B</i> , 1998, 102, 3578-3585.	1.2	89
7	Photochromism of the Synthetic 4',7-Dihydroxyflavylum Chloride. <i>Journal of the American Chemical Society</i> , 1994, 116, 1249-1254.	6.6	87
8	Picosecond conformational relaxation of singlet excited polyfluorene in solution. <i>Journal of Chemical Physics</i> , 2003, 118, 7119-7126.	1.2	78
9	Chemistry and photochemistry of natural plant pigments: the anthocyanins. <i>Journal of Physical Organic Chemistry</i> , 2016, 29, 594-599.	0.9	78
10	Chain Length Dependence of Intramolecular Excimer Formation with 1,n-Bis(1-pyrenylcarboxy)alkanes for $n = 1\hat{a}^3 16, 22, \text{ and } 32$ . <i>Journal of Physical Chemistry B</i> , 1999, 103, 9356-9365.	1.2	77
11	The Dynamics of Ultrafast Excited State Proton Transfer in Anionic Micelles $\hat{E}$ . <i>Journal of Physical Chemistry A</i> , 2003, 107, 3263-3269.	1.1	75
12	Excited-State Dynamics and Self-Organization of Poly(3-hexylthiophene) (P3HT) in Solution and Thin Films. <i>Journal of Physical Chemistry B</i> , 2012, 116, 2347-2355.	1.2	74
13	Photochemistry of anthocyanins and their biological role in plant tissues. <i>Pure and Applied Chemistry</i> , 2009, 81, 1687-1694.	0.9	73
14	Synthesis, Structure, and Photophysical Characterization of Blue-Green Luminescent Zinc Complexes Containing 2-Iminophenanthropyrryl Ligands. <i>Inorganic Chemistry</i> , 2009, 48, 11176-11186.	1.9	67
15	The 9-anthroate chromophore as a fluorescent probe for water. <i>The Journal of Physical Chemistry</i> , 1989, 93, 336-343.	2.9	65
16	Kinetics of ultra-fast excited state proton transfer from 7-hydroxy-4-methylflavylum chloride to water. <i>Chemical Physics Letters</i> , 1998, 298, 189-195.	1.2	64
17	Proton Transfer in Anthocyanins and Related Flavylum Salts. Determination of Ground-State Rate Constants with Nanosecond Laser Flash Photolysis. <i>Journal of Physical Chemistry A</i> , 2002, 106, 1248-1255.	1.1	64
18	Charge-Transfer Complexation as a General Phenomenon in the Copigmentation of Anthocyanins. <i>Journal of Physical Chemistry A</i> , 2005, 109, 7329-7338.	1.1	63

#	ARTICLE	IF	CITATIONS
19	Protein Stabilization by Osmolytes from Hyperthermophiles. <i>Journal of Biological Chemistry</i> , 2004, 279, 48680-48691.	1.6	61
20	Conformational Relaxation of <i>p</i> -Phenylenevinylene Trimers in Solution Studied by Picosecond Time-Resolved Fluorescence. <i>ChemPhysChem</i> , 2007, 8, 2657-2664.	1.0	61
21	Ground- and Excited-State Proton Transfer in Anthocyanins: From Weak Acids to Superphotoacids. <i>Journal of Physical Chemistry A</i> , 2003, 107, 4203-4210.	1.1	54
22	Syntheses and photophysical properties of new iminopyrrolyl boron complexes and their application in efficient single-layer non-doped OLEDs prepared by spin coating. <i>Dalton Transactions</i> , 2012, 41, 8502.	1.6	53
23	Dynamics of short as compared with long poly(acrylic acid) chains hydrophobically modified with pyrene, as followed by fluorescence techniques. <i>Physical Chemistry Chemical Physics</i> , 2007, 9, 1370-1385.	1.3	49
24	Color Stabilization of Anthocyanins: Effect of SDS Micelles on the Acid-Base and Hydration Kinetics of Malvidin 3-Glucoside (Oenin). <i>Journal of Physical Chemistry A</i> , 2002, 106, 5851-5859.	1.1	47
25	Luminescent Di- and Trinuclear Boron Complexes Based on Aromatic Iminopyrrolyl Spacer Ligands: Synthesis, Characterization, and Application in OLEDs. <i>Chemistry - A European Journal</i> , 2015, 21, 9133-9149.	1.7	47
26	Photophysical Studies of $\alpha$ -Dicyano-oligothiophenes NC(C <sub>4</sub> H <sub>2</sub> S) <sub>n</sub> CN (n = 1-6). <i>Journal of Physical Chemistry B</i> , 2006, 110, 6499-6505.	1.2	45
27	Modulating the Emission Intensity of Through Interaction with Sodium Alkylsulfonate Surfactants. <i>Journal of Physical Chemistry B</i> , 2007, 111, 13560-13569.	1.2	39
28	Viscosity Dependence of Intramolecular Excimer Formation with 1,5-Bis(1-pyrenylcarboxy)pentane in Alkane Solvents as a Function of Temperature. <i>Journal of Physical Chemistry A</i> , 2011, 115, 3183-3195.	1.1	38
29	Photoprotection and the Photophysics of Acylated Anthocyanins. <i>Chemistry - A European Journal</i> , 2012, 18, 3736-3744.	1.7	38
30	Photochemistry of the hemiketal form of anthocyanins and its potential role in plant protection from UV-B radiation. <i>Tetrahedron</i> , 2015, 71, 3157-3162.	1.0	38
31	Intramolecular Fluorescence Quenching of Tyrosine by the Peptide $\alpha$ -Carbonyl Group Revisited. <i>Journal of Physical Chemistry A</i> , 2004, 108, 2155-2166.	1.1	36
32	Tunable Fluorophores Based on <i>N</i> -Arylimino)pyrrolyl Chelates of Diphenylboron: Synthesis, Structure, Photophysical Characterization, and Application in OLEDs. <i>Chemistry - A European Journal</i> , 2014, 20, 4126-4140.	1.7	36
33	Boron complexes of aromatic ring fused iminopyrrolyl ligands: synthesis, structure, and luminescence properties. <i>Dalton Transactions</i> , 2016, 45, 15603-15620.	1.6	36
34	Transient effects in charge-transfer diffusion-controlled processes in nonionic micelles. <i>The Journal of Physical Chemistry</i> , 1980, 84, 2408-2412.	2.9	30
35	Electronic spectral and photophysical properties of some <i>p</i> -phenylenevinylene oligomers in solution and thin films. <i>Chemical Physics</i> , 2006, 330, 449-456.	0.9	30
36	Protein Stabilisation by Compatible Solutes: Effect of Mannosylglycerate on Unfolding Thermodynamics and Activity of Ribonuclease A. <i>ChemBioChem</i> , 2003, 4, 734-741.	1.3	29

#	ARTICLE	IF	CITATIONS
37	Excited-State Electron Transfer in Anthocyanins and Related Flavylum Salts. <i>Journal of Physical Chemistry A</i> , 2004, 108, 10133-10140.	1.1	27
38	Tracking Local Conformational Changes of Ribonuclease A Using Picosecond Time-Resolved Fluorescence of the Six Tyrosine Residues. <i>Biophysical Journal</i> , 2007, 92, 4401-4414.	0.2	27
39	Ultrafast Internal Conversion in a Model Anthocyanin-Polyphenol Complex: Implications for the Biological Role of Anthocyanins in Vegetative Tissues of Plants. <i>Chemistry - A European Journal</i> , 2009, 15, 1397-1402.	1.7	27
40	Fluorescence Lifetimes of Tyrosine Residues in Cytochrome c as Local Probes to Study Protein Unfolding. <i>Journal of Physical Chemistry B</i> , 2009, 113, 4466-4474.	1.2	27
41	Self-Organization and Excited-State Dynamics of a Fluorene-Bithiophene Copolymer (F8T2) in Solution. <i>Macromolecules</i> , 2010, 43, 765-771.	2.2	27
42	Manipulation of the Reactivity of a Synthetic Anthocyanin Analogue in Aqueous Micellar Media. <i>Langmuir</i> , 2002, 18, 10109-10115.	1.6	23
43	Photophysical properties of iminopyrrolyl boron complexes: A DFT interpretation. <i>Dalton Transactions</i> , 2012, 41, 13210.	1.6	23
44	Photodynamics of a PV Trimer in High-Viscosity Solvents and in PMMA Films: A New Insight into Energy Transfer versus Conformational Relaxation in Conjugated Polymers. <i>ChemPhysChem</i> , 2009, 10, 448-454.	1.0	22
45	PHOTOPHYSICAL BEHAVIOUR OF 5-METHOXYPSORALEN IN DIOXANE-WATER MIXTURES. <i>Photochemistry and Photobiology</i> , 1988, 48, 429-437.	1.3	21
46	Evaluation of a broad variety of coumarins, chromones, their furohomologues and thione analogues as phototoxins activated by UVA and visible light. <i>Pest Management Science</i> , 1995, 44, 155-162.	0.6	21
47	Photophysical Properties of Hydroxy-Substituted Flavothiones. <i>Journal of Physical Chemistry A</i> , 2000, 104, 6095-6102.	1.1	21
48	DNA as Seen by Spectroscopy, Viscosity, and Conductivity: Effect of Molecular Weights and DNA Secondary Structure. <i>Journal of Physical Chemistry B</i> , 2009, 113, 1294-1302.	1.2	21
49	Decay of poly(phenylsiloxane) fluorescence emission: kinetic parameters and rotational motion. <i>Macromolecules</i> , 1991, 24, 1293-1298.	2.2	20
50	Partition of Pesticides of the Coumarin Family between Water and Amphiphilic Aggregates. <i>Environmental Science &amp; Technology</i> , 1995, 29, 562-570.	4.6	20
51	Unfolding of Ubiquitin Studied by Picosecond Time-Resolved Fluorescence of the Tyrosine Residue. <i>Biophysical Journal</i> , 2004, 87, 2609-2620.	0.2	20
52	Picosecond Dynamics of Proton Transfer of a 7-Hydroxyflavylium Salt in Aqueous-Organic Solvent Mixtures. <i>Journal of Physical Chemistry A</i> , 2011, 115, 10988-10995.	1.1	19
53	Earliest events in $\alpha$ -synuclein fibrillation probed with the fluorescence of intrinsic tyrosines. <i>Journal of Photochemistry and Photobiology B: Biology</i> , 2016, 154, 16-23.	1.7	19
54	Excited states of aromatic esters. <i>Journal of Photochemistry and Photobiology</i> , 1979, 11, 109-119.	0.6	18

#	ARTICLE	IF	CITATIONS
55	Fluorescence spectra and decays of malvidin 3,5-diglucoside in aqueous solutions. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990, 52, 411-424.	2.0	18
56	Viscosity dependence of the excimer to monomer fluorescence ratio. Cyclic and linear polysiloxanes. <i>Macromolecules</i> , 1991, 24, 6827-6831.	2.2	18
57	Multiequilibria of 2-(2'-furanyl)-1H-benzimidazole neutral and protonated forms in the presence of amphiphilic aggregates. <i>Environmental Science &amp; Technology</i> , 1992, 26, 2448-2453.	4.6	18
58	Photophysics of Siloxanes. Influence of Preformed Dimers and Transition from Low-Temperature to High-Temperature Behavior of Dimeric and Polymeric MethylPhenylSiloxane. <i>Macromolecules</i> , 1994, 27, 958-963.	2.2	18
59	Picosecond Structural Relaxation of Abietic Acid Based Amine End Capped Phenylenevinylene Trimers in Solution. <i>ChemPhysChem</i> , 2008, 9, 2214-2220.	1.0	18
60	Ground and Excited State Acidity of Analogs of Red Wine Pyranoanthocyanins. <i>Photochemistry and Photobiology</i> , 2018, 94, 1086-1091.	1.3	18
61	Boron complexes of aromatic 5-substituted iminopyrrolyl ligands: synthesis, structure, and luminescence properties. <i>Dalton Transactions</i> , 2019, 48, 13337-13352.	1.6	18
62	Three-State $\pi$ - $\pi^*$ -Difluorofluorescein Excited-State Proton Transfer Reactions in Moderately Acidic and Very Acidic Media. <i>Journal of Physical Chemistry A</i> , 2005, 109, 8705-8718.	1.1	17
63	Effect of water content on the acid-base equilibrium of cyanidin-3-glucoside. <i>Food Chemistry</i> , 2015, 172, 476-480.	4.2	17
64	From vine to wine: photophysics of a pyranoflavylum analog of red wine pyranoanthocyanins. <i>Pure and Applied Chemistry</i> , 2017, 89, 1761-1767.	0.9	17
65	Violet-blue emitting 2-(N-alkylimino)pyrrolyl organoboranes: Synthesis, structure and luminescent properties. <i>Dyes and Pigments</i> , 2017, 140, 520-532.	2.0	17
66	Photophysical Properties and Photobiological Activity of the Furanochromones Visnagin and Khellin. <i>Photochemistry and Photobiology</i> , 1998, 67, 184.	1.3	17
67	Picosecond Dynamics of the Prototropic Reactions of 7-Hydroxyflavylum Photoacids Anchored at an Anionic Micellar Surface. <i>Journal of Physical Chemistry A</i> , 2010, 114, 4188-4196.	1.1	16
68	Femtosecond and Temperature-Dependent Picosecond Dynamics of Ultrafast Excited-State Proton Transfer in Water-Dioxane Mixtures. <i>Journal of Physical Chemistry A</i> , 2014, 118, 10448-10455.	1.1	16
69	One-Step Synthesis of Novel Flavylum Salts Containing Alkyl Side Chains in Their 3-, 4-, 5- or 6-Positions and Their Photophysical Properties in Micellar Media. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4877-4883.	1.2	15
70	Characterization of the Singlet and Triplet Excited States of 3-Chloro-4-methylumbelliferone. <i>Journal of Physical Chemistry A</i> , 2011, 115, 8392-8398.	1.1	15
71	Experimental Techniques for Excited State Characterisation. , 2013, , 533-585.		15
72	Internal Dynamics of Poly(Methylphenylsiloxane) Chains as Revealed by Picosecond Time Resolved Fluorescence. <i>Journal of Physical Chemistry A</i> , 2001, 105, 10286-10295.	1.1	14

#	ARTICLE	IF	CITATIONS
73	Novel Ground- and Excited-State Prototropic Reactivity of a Hydroxycarboxyflavylium Salt. <i>Journal of Physical Chemistry A</i> , 2006, 110, 2089-2096.	1.1	14
74	Improved analysis of excited state proton transfer kinetics by the combination of standard and convolution methods. <i>Photochemical and Photobiological Sciences</i> , 2013, 12, 902-910.	1.6	14
75	Unveiling the Eigen-Weller Ion Pair from the Excited State Proton Transfer Kinetics of 3-Chloro-4-methyl-7-hydroxycoumarin. <i>Journal of Physical Chemistry B</i> , 2015, 119, 2604-2610.	1.2	14
76	Anomalous Fluorescence of Linear Poly(methylphenylsiloxane) in Dilute Solution at Temperatures below 50 °C. <i>Macromolecules</i> , 2000, 33, 4772-4779.	2.2	13
77	Geminate Proton Recombination at the Surface of SDS and CTAC Micelles Probed with a Micelle-Anchored Anthocyanin. <i>Langmuir</i> , 2006, 22, 933-940.	1.6	13
78	Thermal Unfolding Kinetics of Ubiquitin in the Microsecond-to-Second Time Range Probed by Tyr-59 Fluorescence. <i>Journal of Physical Chemistry B</i> , 2010, 114, 9912-9919.	1.2	13
79	How to Change the Aggregation in the DNA/Surfactant/Cationic Conjugated Polyelectrolyte System through the Order of Component Addition: Anionic versus Neutral Surfactants. <i>Langmuir</i> , 2010, 26, 11705-11714.	1.6	13
80	New luminescent tetracoordinate boron complexes: an in-depth experimental and theoretical characterisation and their application in OLEDs. <i>Inorganic Chemistry Frontiers</i> , 2021, 8, 3960-3983.	3.0	13
81	Dipole-dipole interactions between the terminal groups of 1,n-diarenecarboxy alkanes, n= 1, 2, 6. <i>Journal of the Chemical Society, Faraday Transactions</i> , 1990, 86, 4011-4016.	1.7	12
82	Photophysics of Poly(methylphenylsiloxane) Monomeric Model Compounds. <i>The Journal of Physical Chemistry</i> , 1994, 98, 6548-6551.	2.9	12
83	Photobiological Properties of Hydroxy-substituted Flavothiones. <i>Photochemistry and Photobiology</i> , 2002, 75, 97.	1.3	12
84	Substituent effects on the pH-dependent multiequilibria of flavylium salt analogs of anthocyanins. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 1201-1208.	0.9	12
85	Separating Solvent and Conformational Effects on the Photophysics of a Homologous Progression of N-Terminated Phenylenevinylene Oligomers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 18353-18366.	1.5	11
86	Luminescent halogen-substituted 2-(N-arylimino)pyrrolyl boron complexes: the internal heavy-atom effect. <i>Dalton Transactions</i> , 2020, 49, 10185-10202.	1.6	11
87	Photophysics of fluorescently labeled oligomers and polymers. <i>Photochemistry</i> , 0, , 59-126.	0.2	11
88	Influence of Isolated Chromophores on the Temperature Dependence of the Excimer Emission in Steady-State and Time-Resolved Fluorescence of Polysiloxanes. <i>Macromolecules</i> , 1994, 27, 3797-3803.	2.2	10
89	Title is missing!. <i>Journal of Fluorescence</i> , 2000, 10, 141-141.	1.3	10
90	Acid-Base Equilibria and Dynamics in Sodium Dodecyl Sulfate Micelles: Geminate Recombination and Effect of Charge Stabilization. <i>Langmuir</i> , 2006, 22, 7986-7993.	1.6	10

#	ARTICLE	IF	CITATIONS
91	EXCITED STATES OF ANTHOCYANINS: THE CHALCONE ISOMERS OF MALVIDIN 3,5-DIGLUCOSIDE. <i>Photochemistry and Photobiology</i> , 1994, 59, 412-418.	1.3	9
92	Dynamics of Cyclic Methylphenyltrisiloxane in the Picosecond to Nanosecond Time Range. <i>Journal of Physical Chemistry A</i> , 2000, 104, 17-24.	1.1	9
93	Photochemistry of Flavothione and Hydroxyflavothiones: Mechanisms and Kinetics. <i>Photochemistry and Photobiology</i> , 2003, 77, 22-29.	1.3	9
94	Near diffusion controlled photokinetics in aromatic ester-aliphatic amine systems. <i>Journal of Photochemistry and Photobiology</i> , 1979, 11, 429-439.	0.6	8
95	Photochemistry of 2-(2-Furyl)-benzimidazole (Fuberidazole). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 1992, 47, 1431-1437.	0.3	8
96	Non-diffusion-controlled excimer formation with indane and acenaphthene.. <i>Chemical Physics Letters</i> , 1998, 287, 379-387.	1.2	8
97	Molecular Dynamics of Methylphenylsiloxane Chains. <i>Macromolecules</i> , 2000, 33, 1213-1223.	2.2	7
98	Dynamics of Linear Poly(methylphenylsiloxane) by Time-Resolved Fluorescence: Slow vs Fast Relaxations and Low-Temperature Behavior in Chains of Different Lengths. <i>Macromolecules</i> , 2002, 35, 7082-7088.	2.2	7
99	Singlet and triplet state properties of substituted flavothiones. <i>Physical Chemistry Chemical Physics</i> , 2003, 5, 3464-3469.	1.3	7
100	Fluorescence Enhancement of a Cationic Fluorene-Phenylene Conjugated Polyelectrolyte Induced by Nonionic Alkyl Polyoxyethylene Surfactants. <i>Langmuir</i> , 2017, 33, 13350-13363.	1.6	7
101	Ground and excited state properties of furanoflavylum derivatives. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 21651-21662.	1.3	7
102	Photophysical properties and photodegradation mechanism of 2-(2-furanyl)-1H-benzimidazole (Fuberidazole). <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1994, 83, 237-244.	2.0	6
103	Model for Conformational Relaxation of Flexible Conjugated Polymers: Application to Phenylenevinylene Trimers in Nonpolar Solvents. <i>ChemPhysChem</i> , 2013, 14, 583-590.	1.0	6
104	Dynamics of siloxane chains bearing phenyl chromophores. <i>Polymer International</i> , 1999, 48, 665-670.	1.6	3
105	Photophysical Properties and Photobiological Activity of the Furanochromones Visnagin and Khellin. <i>Photochemistry and Photobiology</i> , 1998, 67, 184-191.	1.3	2
106	Enhancing the fluorescence of tyr-59 in ubiquitin by blocking proton transfer. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 3580.	1.3	2
107	Dynamics of cyclic poly(methylphenylsiloxane). <i>Macromolecular Symposia</i> , 1994, 84, 365-376.	0.4	0
108	Photobiological Properties of Hydroxy-substituted Flavothiones. <i>Photochemistry and Photobiology</i> , 2002, 75, 97-106.	1.3	0