Ricardo Mallavia

List of Publications by Year in Descending Order

88 papers	1,690 citations	25 h-index	36 g-index
101 ext. papers	1,801 ext. citations	4.3 avg, IF	4.37 L-index

#	Paper	IF	Citations
88	The Immune System of Marine Organisms as Source for Drugs against Infectious Diseases. *Marine Drugs*, **2022**, 20, 363	6	
87	Formation of Multicolor Nanogels Based on Cationic Polyfluorenes and Poly(methyl vinyl ether-alt-maleic monoethyl ester): Potential Use as pH-Responsive Fluorescent Drug Carriers. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
86	Physico-Chemically Distinct Nanomaterials Synthesized from Derivates of a Poly(Anhydride) Diversify the Spectrum of Loadable Antibiotics. *Nanomaterials*, **2020**, 10,	5.4	6
85	Fluorene-Based Donor-Acceptor Copolymers Containing Functionalized Benzotriazole Units: Tunable Emission and their Electrical Properties. *Polymers*, **2020**, 12,	4.5	4
84	Polyfluorene-Based Multicolor Fluorescent Nanoparticles Activated by Temperature for Bioimaging and Drug Delivery. *Nanomaterials*, **2019**, 9,	5.4	4
83	Development of A New Delivery System Based on Drug-Loadable Electrospun Nanofibers for Psoriasis Treatment. *Pharmaceutics*, **2019**, 11,	6.4	15
82	Advantageous Microwave-Assisted Suzuki Polycondensation for the Synthesis of Aniline-Fluorene Alternate Copolymers as Molecular Model with Solvent Sensing Properties. *Polymers*, **2018**, 10,	4.5	9
81	Synthesis and Characterization of a Novel Green Cationic Polyfluorene and Its Potential Use as a Fluorescent Membrane Probe. *Polymers*, **2018**, 10,	4.5	9
80	Fluorescent Biosensor for Phosphate Determination Based on Immobilized Polyfluorene-Liposomal Nanoparticles Coupled with Alkaline Phosphatase. *ACS Applied Materials & Interfaces*, **2017**, 9, 136-144	9.5	34
79	Poly(methyl vinyl ether-alt-maleic acid) and ethyl monoester as building polymers for drug-loadable electrospun nanofibers. *Scientific Reports*, **2017**, 7, 17205	4.9	18
78	Incorporation of a Cationic Conjugated Polyelectrolyte CPE within an Aqueous Poly(vinyl alcohol) Sol. *Macromolecules*, **2016**, 49, 9119-9131	5.5	9
77	Self-assembled systems of water soluble metal 8-hydroxyquinolates with surfactants and conjugated polyelectrolytes. *Physical Chemistry Chemical Physics*, **2016**, 18, 16629-40	3.6	7
76	New Red-Emitting Conjugated Polyelectrolyte: Stabilization by Interaction with Biomolecules and Potential Use as Drug Carriers and Bioimaging Probes. *ACS Applied Materials & Interfaces*, **2016**, 8, 1958-69	9.5	24
75	Selective recognition and imaging of bacterial model membranes over mammalian ones by using cationic conjugated polyelectrolytes. *Analyst, The*, **2016**, 141, 6287-6296	5	11
74	Polymeric films based on blends of 6FDA–FpDA polyimide plus several copolyfluorenes for CO2 separation. *RSC Advances*, **2015**, 5, 41497-41505	3.7	8
73	In depth analysis of the quenching of three fluorene-phenylene-based cationic conjugated polyelectrolytes by DNA and DNA bases. *Journal of Physical Chemistry B*, **2014**, 118, 460-9	3.4	10
72	Facile Preparation of Optically Tailored Hybrid Nanocomposite. *Journal of Nanomaterials*, **2014**, 2014, 1-7	3.2	2

71	Selective Interaction of a Cationic Polyfluorene with Model Lipid Membranes: Anionic Zwitterionic Lipids. *Materials*, **2014**, 7, 2120-2140	3.5	13
70	Formation and characterization of stable fluorescent complexes between neutral conjugated polymers and cyclodextrins. *Journal of Fluorescence*, **2013**, 23, 171-80	2.4	7
69	Stabilization of neutral polyfluorene in aqueous solution through their interaction with phospholipids and sol-gel encapsulation. *ACS Applied Materials & Interfaces*, **2013**, 5, 2952-8	9.5	2
68	Use of the conjugated polyelectrolyte poly{[9,9-bis(6SN,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide (HTMA-PFP) as a fluorescent membrane marker. *Biomacromolecules*, **2013**, 14, 1990-8	6.9	27
67	Novel electrospun luminescent nanofibers from cationic polyfluorene/cellulose acetate blend. *Cellulose*, **2013**, 20, 169-177	5.5	10
66	Cellulose acetate-poly{[9,9-bis(6?-N,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide blends: Preparation, characterization and transport properties. *Reactive and Functional Polymers*, **2012**, 72, 420-426	4.6	2
65	Routes to synthesis of porphyrins covalently bound to poly(carbazole)s and poly(fluorene)s: Structural and computational studies on oligomers. *Journal of Molecular Structure*, **2012**, 1029, 199-208	3.4	8
64	Fluorene-based stannylated polymers and their use as recyclable reagents in the Stille reaction. *Journal of Organometallic Chemistry*, **2011**, 696, 3316-3321	2.3	9
63	Conjugated polymer microspheres for "turn-off"/"turn-on" fluorescence optosensing of inorganic ions in aqueous media. *Analytical Chemistry*, **2011**, 83, 2712-8	7.8	44
62	Synthesis of a new fluorescent conjugated polymer microsphere for chemical sensing in aqueous media. *Chemical Communications*, **2010**, 46, 1263-5	5.8	36
61	Formation of complexes between the conjugated polyelectrolyte poly{[9,9-bis(6SN,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide (HTMA-PFP) and human serum albumin. *Biomacromolecules*, **2010**, 11, 1494-501	6.9	41
60	Multicomponent Interdiffusion and Self-Diffusion of the Cationic Poly{[9,9-bis(6?-N,N,N-trimethylammonium)hexyl]fluorene-phenylene} Dibromide in a Dimethyl Sulfoxide + Water Solution. *Journal of Chemical & Engineering Data*, **2010**, 55, 1860-1866	2.8	17
59	How to change the aggregation in the DNA/surfactant/cationic conjugated polyelectrolyte system through the order of component addition: anionic versus neutral surfactants. *Langmuir*, **2010**, 26, 11705-14	4	10
58	Multienzymatic system immobilization in sol-gel slides: fluorescent superoxide biosensors development. *Biosensors and Bioelectronics*, **2010**, 25, 1526-9	11.8	12
57	Development of a dual-analyte fluorescent sensor for the determination of bioactive nitrite and selenite in water samples. *Journal of Pharmaceutical and Biomedical Analysis*, **2010**, 51, 484-9	3.5	20
56	Direct synthesis of PbS nanocrystals capped with 4-fluorothiophenol in semiconducting polymer. *Materials Chemistry and Physics*, **2010**, 122, 459-462	4.4	5
55	Electrical model of organic diodes with field-dependent carrier mobility in the presence of an electric field at the injection interface. *International Journal of Numerical Modelling: Electronic Networks, Devices and Fields*, **2010**, 23, 332-339	1	5
54	Effects of commercial non-ionic alkyl oxyethylene and ionic biocompatible arginine-based surfactants on the photophysical behaviour of several poly(fluorene-1,4-phenylene)s. *Journal of Molecular Liquids*, **2010**, 156, 18-27	6	10

53	Solvent dependent behaviour of poly(9-vinylcarbazole)-based polymer light emitting diodes. *Solid-State Electronics*, **2010**, 54, 1269-1272	1.7	7
52	Binding of polynucleotides to conjugated polyelectrolytes and its applications in sensing. *Advances in Colloid and Interface Science*, **2010**, 158, 94-107	14.3	39
51	Synthesis and characterization of CdS nanocrystals stabilized in polyvinyl alcohol□sodium polyphosphate. *Materials Letters*, **2009**, 63, 638-640	3.3	17
50	The development of a MIP-optosensor for the detection of monoamine naphthalenes in drinking water. *Biosensors and Bioelectronics*, **2009**, 24, 2305-11	11.8	33
49	Immobilization and characterization of 2,3-diaminonaphthalene/cyclodextrin complexes in a sol-gel matrix: a new fluorimetric sensor for nitrite. *Journal of Fluorescence*, **2009**, 19, 119-25	2.4	13
48	Influence of SPP co-stabilizer on the optical properties of CdS quantum dots grown in PVA. *Physics Procedia*, **2009**, 2, 335-338		4
47	Influence of electrical operating conditions and active layer thickness on electroluminescence degradation in polyfluorene□phenylene based light emitting diodes. *Solid-State Electronics*, **2009**, 53, 211-217	1.7	10
46	Singlet-singlet energy transfer in self-assembled systems of the cationic poly{9,9-bis[6-N,N,N-trimethylammonium)hexyl]fluorene-co-1,4-phenylene} with oppositely charged porphyrins. *Journal of Physical Chemistry B*, **2009**, 113, 16093-100	3.4	23
45	Progress in the Synthesis of Poly(2,7-Fluorene-alt-1,4-Phenylene), PFP, via Suzuki Coupling.. *Macromolecules*, **2009**, 42, 5471-5477	5.5	34
44	Interaction between poly(9,9-bis(6SN,N,N-trimethylammonium)hexyl)fluorene phenylene bromide and DNA as seen by spectroscopy, viscosity, and conductivity: effect of molecular weights and DNA secondary structure. *Journal of Physical Chemistry B*, **2009**, 113, 1294-1302	3.4	18
43	Analytical Evaluation of the Ratio Between Injection and Space-Charge Limited Currents in Single Carrier Organic Diodes. *IEEE Transactions on Electron Devices*, **2008**, 55, 674-680	2.9	8
42	Immobilization of a trienzymatic system in a sol-gel matrix: a new fluorescent biosensor for xanthine. *Biosensors and Bioelectronics*, **2008**, 24, 1059-62	11.8	25
41	A Novell-Tyrosine Derivative of Poly[(fluoren-2,7-diyl)-alt-co-(benzen-1,4-diyl)]:´Strategy of Synthesis and Chiroptical and Electrochemical Characterization. *Macromolecules*, **2007**, 40, 3042-3048	5.5	9
40	Modulating the emission intensity of poly-(9,9-bis(6SN,N,N-trimethylammonium)hexyl)-fluorene phenylene) bromide through interaction with sodium alkylsulfonate surfactants. *Journal of Physical Chemistry B*, **2007**, 111, 13560-9	3.4	37
39	Fluorescence Emission Anisotropy Coupled to an Electrochemical System: Study of Exciton Dynamics in Conjugated Polymers. *Journal of Physical Chemistry C*, **2007**, 111, 18405-18410	3.8	23
38	A novel antioxidant phenyl disaccharide from Populus tremula knotwood. *Molecules*, **2007**, 12, 205-17	4.8	3
37	On the Origin of Green Emission Bands in Fluorene-Based Conjugated Polymers. *Advanced Functional Materials*, **2007**, 17, 71-78	15.6	101
36	Isolation, characterization and antioxidant capacity assessment of the bioactive compounds derived from Hypoxis rooperi corm extract (African potato). *Food Chemistry*, **2007**, 101, 1425-1437	8.5	75

35	P-172: Determination of Hole Mobilities in New Blue Emitting Organic Diodes by Means of Impedance Spectroscopy. *Digest of Technical Papers SID International Symposium*, **2007**, 38, 841-844	0.5	1
34	Fluorescence study of the fluidity and cooperativity of the phase transitions of zwitterionic and anionic liposomes confined in sol-gel glasses. *Journal of Physical Chemistry B*, **2007**, 111, 3665-73	3.4	17
33	Synthesis and Characterization of Electroactive Films Deposited from Aniline Dimers. *Journal of the Electrochemical Society*, **2006**, 153, D114	3.9	34
32	In situ electrochemical fluorescence studies of PPV. *Journal of Physical Chemistry B*, **2006**, 110, 25791-6	3.4	28
31	Charge transport in luminescent polymers studied by in situ fluorescence spectroscopy. *Journal of Physical Chemistry B*, **2006**, 110, 5914-9	3.4	26
30	On the polymerization of 2-aminodiphenylamine: An electrochemical and spectroscopic study. *Synthetic Metals*, **2006**, 156, 51-57	3.6	23
29	Characterization and Side Chain Manipulation in Violet-Blue Poly-[(9,9-dialkylfluoren-2,7-diyl)-alt-co-(benzen-1,4-diyl)] Backbones. *Macromolecules*, **2005**, 38, 3185-3192	5.5	44
28	Fluorometric detection of nitric oxide using 2,3-diaminonaphthalene incorporated in □cyclodextrin. *Journal of Photochemistry and Photobiology A: Chemistry*, **2005**, 173, 384-389	4.7	17
27	A ready-to-use fluorimetric biosensor for superoxide radical using superoxide dismutase and peroxidase immobilized in sol-gel glasses. *Analytical Biochemistry*, **2004**, 334, 335-43	3.1	38
26	Determination of piceid and resveratrol in Spanish wines deriving from Monastrell (Vitis vinifera L.) grape variety. *Journal of Agricultural and Food Chemistry*, **2004**, 52, 5396-403	5.7	66
25	Pel□ulas fluorescentes azules basadas en derivados de poli-2,7-fluorenofenilideno. *Boletin De La Sociedad Espanola De Ceramica Y Vidrio*, **2004**, 43, 327-330	1.9	30
24	Polymeric multilayers for integration into photonic devices. *Thin Solid Films*, **2003**, 433, 277-280	2.2	41
23	Surface and optical characterization of yttrium hydride films deposited on regular glass to be used as switchable mirrors. *Surface and Interface Analysis*, **2002**, 34, 311-315	1.5	1
22	Photofragmentation and photoisomerization of O-acyl-□oxooximes: Quantum yields and mechanism. *Journal of Photochemistry and Photobiology A: Chemistry*, **2001**, 138, 193-201	4.7	19
21	Two dyes for holographic recording material: Panchromatic ion pair from Rose Bengal and methylene blue. *Journal of Modern Optics*, **2001**, 48, 941-945	1.1	14
20	Real time study of development process in holographic emulsions. *Optics Communications*, **2000**, 173, 195-201	2	2
19	Holographic determination of the irradiance dependence of linear-chain polymerization rates in photopolymer dry films. *Applied Physics B: Lasers and Optics*, **2000**, 70, 537-542	1.9	16
18	Hypersensitization in reflection holograms recorded in Agfa-Gevaert 8E75HD plates. *Journal of Modern Optics*, **2000**, 47, 81-89	1.1	

17	A mixture of mono-, bi- and trifunctional acrylates with eosine O-benzoyl-□oxooxime: Advances in holographic copolymerizable composition. *Journal of Modern Optics*, **1999**, 46, 559-566	1.1	4
16	Enhanced activity as polymerization photoinitiators of Rose Bengal and Eosin esters with an O-benzoyl-□oxooxime group: The role of the excited state reactivity. *Acta Polymerica*, **1999**, 50, 337-346		34
15	High-energy sensitivity enhancement in panchromatic photopolymers for holography using a mixture of visiblelight photoinitiators. *Journal of Modern Optics*, **1999**, 46, 1091-1098	1.1	6
14	Holography as a technique for the study of photopolymerization kinetics in dry polymeric films with a nonlinear response. *Applied Optics*, **1999**, 38, 955-62	1.7	24
13	Proton-transfer lasers based on solid copolymers of modified 2-(2?-hydroxyphenyl)benzimidazoles with methacrylate monomers. *Optics Communications*, **1998**, 152, 89-95	2	32
12	A theoretical model for noise gratings recorded in acrylamide photopolymer materials used in real-time holography. *Journal of Modern Optics*, **1998**, 45, 2345-2354	1.1	17
11	Theoretical and experimental study of the bleaching of a dye in a film-polymerization process. *Applied Optics*, **1998**, 37, 4496-9	1.7	23
10	Optimization of an acrylamide-based dry film used for holographic recording. *Applied Optics*, **1998**, 37, 7604-10	1.7	42
9	Optimal composition of an acrylamide and N , N ?-methylenebisacrylamide holographic recording material. *Journal of Modern Optics*, **1998**, 45, 2573-2584	1.1	3
8	Highly sensitive photopolymerizable dry film for use in real time holography. *Applied Physics Letters* , **1998**, 73, 1628-1630	3.4	31
7	Quantum yield and molar absorptivity for a dye photobleaching in a holographic recording material **1998**, 3294, 91		3
6	Application of FT-Raman spectroscopy to the study of polymerization photoinitiators Part 1: On the conformation of 1-phenyl-2-(O-benzoyloxime)-1,2-propandiones. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **1997**, 53, 2295-2301	4.4	2
5	New photopolymer with trifunctional monomer for holographic applications. *Applied Physics B: Lasers and Optics*, **1996**, 63, 151-153	1.9	4
4	Solid-state dye lasers based on modified rhodamine 6G dyes copolymerized with methacrylic monomers. *Journal of Applied Physics*, **1996**, 80, 3167-3173	2.5	56
3	O-acyl-.ALPHA.-oxooximes and related compounds. Chemistry, photochemistry, and use as photoinitiators for radical polymerizations.. *Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]*, **1995**, 8, 205-232	0.7	22
2	Synthesis and Evaluation as a Visible-Light Polymerization Photoinitiator of a New Eosin Ester with an O-Benzoyl-.alpha.-oxooxime Group. *Macromolecules*, **1994**, 27, 2643-2646	5.5	31
1	Two dyes for holographic recording material: Panchromatic ion pair from Rose Bengal and methylene blue		2