

Ricardo Mallavia

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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.

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	On the Origin of Green Emission Bands in Fluorene-Based Conjugated Polymers. <i>Advanced Functional Materials</i> , 2007 , 17, 71-78	15.6	101
87	Isolation, characterization and antioxidant capacity assessment of the bioactive compounds derived from Hypoxis rooperi corm extract (African potato). <i>Food Chemistry</i> , 2007 , 101, 1425-1437	8.5	75
86	Determination of piceid and resveratrol in Spanish wines deriving from Monastrell (Vitis vinifera L.) grape variety. <i>Journal of Agricultural and Food Chemistry</i> , 2004 , 52, 5396-403	5.7	66
85	Solid-state dye lasers based on modified rhodamine 6G dyes copolymerized with methacrylic monomers. <i>Journal of Applied Physics</i> , 1996 , 80, 3167-3173	2.5	56
84	Conjugated polymer microspheres for "turn-off"/"turn-on" fluorescence optosensing of inorganic ions in aqueous media. <i>Analytical Chemistry</i> , 2011 , 83, 2712-8	7.8	44
83	Characterization and Side Chain Manipulation in Violet-Blue Poly-[(9,9-dialkylfluorene-2,7-diyl)-alt-co-(benzene-1,4-diyl)] Backbones. <i>Macromolecules</i> , 2005 , 38, 3185-3192	5.5	44
82	Optimization of an acrylamide-based dry film used for holographic recording. <i>Applied Optics</i> , 1998 , 37, 7604-10	1.7	42
81	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. <i>Biomacromolecules</i> , 2010 , 11, 1494-501	6.9	41
80	Polymeric multilayers for integration into photonic devices. <i>Thin Solid Films</i> , 2003 , 433, 277-280	2.2	41
79	Binding of polynucleotides to conjugated polyelectrolytes and its applications in sensing. <i>Advances in Colloid and Interface Science</i> , 2010 , 158, 94-107	14.3	39
78	A ready-to-use fluorimetric biosensor for superoxide radical using superoxide dismutase and peroxidase immobilized in sol-gel glasses. <i>Analytical Biochemistry</i> , 2004 , 334, 335-43	3.1	38
77	Modulating the emission intensity of poly-(9,9-bis(6SN,N,N-trimethylammonium)hexyl)-fluorene phenylene) bromide through interaction with sodium alkylsulfonate surfactants. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 13560-9	3.4	37
76	Synthesis of a new fluorescent conjugated polymer microsphere for chemical sensing in aqueous media. <i>Chemical Communications</i> , 2010 , 46, 1263-5	5.8	36
75	Fluorescent Biosensor for Phosphate Determination Based on Immobilized Polyfluorene-Liposomal Nanoparticles Coupled with Alkaline Phosphatase. <i>ACS Applied Materials & Interfaces</i> , 2017 , 9, 136-144	9.5	34
74	Progress in the Synthesis of Poly(2,7-Fluorene-alt-1,4-Phenylene), PFP, via Suzuki Coupling.. <i>Macromolecules</i> , 2009 , 42, 5471-5477	5.5	34
73	Synthesis and Characterization of Electroactive Films Deposited from Aniline Dimers. <i>Journal of the Electrochemical Society</i> , 2006 , 153, D114	3.9	34
72	Enhanced activity as polymerization photoinitiators of Rose Bengal and Eosin esters with an O-benzoyl- β -oxime group: The role of the excited state reactivity. <i>Acta Polymerica</i> , 1999 , 50, 337-346		34

71	The development of a MIP-optosensor for the detection of monoamine naphthalenes in drinking water. <i>Biosensors and Bioelectronics</i> , 2009 , 24, 2305-11	11.8	33
70	Proton-transfer lasers based on solid copolymers of modified 2-(2'-hydroxyphenyl)benzimidazoles with methacrylate monomers. <i>Optics Communications</i> , 1998 , 152, 89-95	2	32
69	Highly sensitive photopolymerizable dry film for use in real time holography. <i>Applied Physics Letters</i> , 1998 , 73, 1628-1630	3.4	31
68	Synthesis and Evaluation as a Visible-Light Polymerization Photoinitiator of a New Eosin Ester with an O-Benzoyl-.alpha.-oxooxime Group. <i>Macromolecules</i> , 1994 , 27, 2643-2646	5.5	31
67	Pel�ulas fluorescentes azules basadas en derivados de poli-2,7-fluorenofenilideno. <i>Boletin De La Sociedad Espanola De Ceramica Y Vidrio</i> , 2004 , 43, 327-330	1.9	30
66	In situ electrochemical fluorescence studies of PPV. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 25791-6	3.4	28
65	Use of the conjugated polyelectrolyte poly{[9,9-bis(6SN,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide (HTMA-PFP) as a fluorescent membrane marker. <i>Biomacromolecules</i> , 2013 , 14, 1990-8	6.9	27
64	Charge transport in luminescent polymers studied by in situ fluorescence spectroscopy. <i>Journal of Physical Chemistry B</i> , 2006 , 110, 5914-9	3.4	26
63	Immobilization of a trienzymatic system in a sol-gel matrix: a new fluorescent biosensor for xanthine. <i>Biosensors and Bioelectronics</i> , 2008 , 24, 1059-62	11.8	25
62	New Red-Emitting Conjugated Polyelectrolyte: Stabilization by Interaction with Biomolecules and Potential Use as Drug Carriers and Bioimaging Probes. <i>ACS Applied Materials & Interfaces</i> , 2016 , 8, 1958-69	9.5	24
61	Holography as a technique for the study of photopolymerization kinetics in dry polymeric films with a nonlinear response. <i>Applied Optics</i> , 1999 , 38, 955-62	1.7	24
60	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. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 16093-100	3.4	23
59	Fluorescence Emission Anisotropy Coupled to an Electrochemical System: Study of Exciton Dynamics in Conjugated Polymers. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 18405-18410	3.8	23
58	On the polymerization of 2-aminodiphenylamine: An electrochemical and spectroscopic study. <i>Synthetic Metals</i> , 2006 , 156, 51-57	3.6	23
57	Theoretical and experimental study of the bleaching of a dye in a film-polymerization process. <i>Applied Optics</i> , 1998 , 37, 4496-9	1.7	23
56	O-acyl-.ALPHA.-oxooximes and related compounds. Chemistry, photochemistry, and use as photoinitiators for radical polymerizations.. <i>Journal of Photopolymer Science and Technology = [Fotoporima Konwakai Shi]</i> , 1995 , 8, 205-232	0.7	22
55	Development of a dual-analyte fluorescent sensor for the determination of bioactive nitrite and selenite in water samples. <i>Journal of Pharmaceutical and Biomedical Analysis</i> , 2010 , 51, 484-9	3.5	20
54	Photofragmentation and photoisomerization of O-acyl-oxooximes: Quantum yields and mechanism. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2001 , 138, 193-201	4.7	19

53	Poly(methyl vinyl ether-alt-maleic acid) and ethyl monoester as building polymers for drug-loadable electrospun nanofibers. <i>Scientific Reports</i> , 2017 , 7, 17205	4.9	18
52	Interaction between poly(9,9-bis(6S-N,N,N-trimethylammonium)hexyl)fluorene phenylene bromide and 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	3.4	18
51	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. <i>Journal of Chemical & Engineering Data</i> , 2010 , 55, 1860-1866	2.8	17
50	Synthesis and characterization of CdS nanocrystals stabilized in polyvinyl alcohol/sodium polyphosphate. <i>Materials Letters</i> , 2009 , 63, 638-640	3.3	17
49	Fluorescence study of the fluidity and cooperativity of the phase transitions of zwitterionic and anionic liposomes confined in sol-gel glasses. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 3665-73	3.4	17
48	Fluorometric detection of nitric oxide using 2,3-diaminonaphthalene incorporated in Cyclodextrin. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2005 , 173, 384-389	4.7	17
47	A theoretical model for noise gratings recorded in acrylamide photopolymer materials used in real-time holography. <i>Journal of Modern Optics</i> , 1998 , 45, 2345-2354	1.1	17
46	Holographic determination of the irradiance dependence of linear-chain polymerization rates in photopolymer dry films. <i>Applied Physics B: Lasers and Optics</i> , 2000 , 70, 537-542	1.9	16
45	Development of A New Delivery System Based on Drug-Loadable Electrospun Nanofibers for Psoriasis Treatment. <i>Pharmaceutics</i> , 2019 , 11,	6.4	15
44	Two dyes for holographic recording material: Panchromatic ion pair from Rose Bengal and methylene blue. <i>Journal of Modern Optics</i> , 2001 , 48, 941-945	1.1	14
43	Selective Interaction of a Cationic Polyfluorene with Model Lipid Membranes: Anionic Zwitterionic Lipids. <i>Materials</i> , 2014 , 7, 2120-2140	3.5	13
42	Immobilization and characterization of 2,3-diaminonaphthalene/cyclodextrin complexes in a sol-gel matrix: a new fluorimetric sensor for nitrite. <i>Journal of Fluorescence</i> , 2009 , 19, 119-25	2.4	13
41	Multienzymatic system immobilization in sol-gel slides: fluorescent superoxide biosensors development. <i>Biosensors and Bioelectronics</i> , 2010 , 25, 1526-9	11.8	12
40	Selective recognition and imaging of bacterial model membranes over mammalian ones by using cationic conjugated polyelectrolytes. <i>Analyst, The</i> , 2016 , 141, 6287-6296	5	11
39	In depth analysis of the quenching of three fluorene-phenylene-based cationic conjugated polyelectrolytes by DNA and DNA bases. <i>Journal of Physical Chemistry B</i> , 2014 , 118, 460-9	3.4	10
38	Novel electrospun luminescent nanofibers from cationic polyfluorene/cellulose acetate blend. <i>Cellulose</i> , 2013 , 20, 169-177	5.5	10
37	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, 11705-14	4	10
36	Influence of electrical operating conditions and active layer thickness on electroluminescence degradation in polyfluorene/phenylene based light emitting diodes. <i>Solid-State Electronics</i> , 2009 , 53, 211-217	1.7	10

35	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. <i>Journal of Molecular Liquids</i> , 2010 , 156, 18-27	6	10
34	Incorporation of a Cationic Conjugated Polyelectrolyte CPE within an Aqueous Poly(vinyl alcohol) Sol. <i>Macromolecules</i> , 2016 , 49, 9119-9131	5.5	9
33	Advantageous Microwave-Assisted Suzuki Polycondensation for the Synthesis of Aniline-Fluorene Alternate Copolymers as Molecular Model with Solvent Sensing Properties. <i>Polymers</i> , 2018 , 10,	4.5	9
32	Fluorene-based stannylated polymers and their use as recyclable reagents in the Stille reaction. <i>Journal of Organometallic Chemistry</i> , 2011 , 696, 3316-3321	2.3	9
31	A Novell-Tyrosine Derivative of Poly[(fluorene-2,7-diyl)-alt-co-(benzene-1,4-diyl)]: Strategy of Synthesis and Chiroptical and Electrochemical Characterization. <i>Macromolecules</i> , 2007 , 40, 3042-3048	5.5	9
30	Synthesis and Characterization of a Novel Green Cationic Polyfluorene and Its Potential Use as a Fluorescent Membrane Probe. <i>Polymers</i> , 2018 , 10,	4.5	9
29	Polymeric films based on blends of 6FDA/FPDA polyimide plus several copolyfluorenes for CO ₂ separation. <i>RSC Advances</i> , 2015 , 5, 41497-41505	3.7	8
28	Routes to synthesis of porphyrins covalently bound to poly(carbazole)s and poly(fluorene)s: Structural and computational studies on oligomers. <i>Journal of Molecular Structure</i> , 2012 , 1029, 199-208	3.4	8
27	Analytical Evaluation of the Ratio Between Injection and Space-Charge Limited Currents in Single Carrier Organic Diodes. <i>IEEE Transactions on Electron Devices</i> , 2008 , 55, 674-680	2.9	8
26	Self-assembled systems of water soluble metal 8-hydroxyquinolates with surfactants and conjugated polyelectrolytes. <i>Physical Chemistry Chemical Physics</i> , 2016 , 18, 16629-40	3.6	7
25	Formation and characterization of stable fluorescent complexes between neutral conjugated polymers and cyclodextrins. <i>Journal of Fluorescence</i> , 2013 , 23, 171-80	2.4	7
24	Solvent dependent behaviour of poly(9-vinylcarbazole)-based polymer light emitting diodes. <i>Solid-State Electronics</i> , 2010 , 54, 1269-1272	1.7	7
23	Physico-Chemically Distinct Nanomaterials Synthesized from Derivates of a Poly(Anhydride) Diversify the Spectrum of Loadable Antibiotics. <i>Nanomaterials</i> , 2020 , 10,	5.4	6
22	High-energy sensitivity enhancement in panchromatic photopolymers for holography using a mixture of visiblelight photoinitiators. <i>Journal of Modern Optics</i> , 1999 , 46, 1091-1098	1.1	6
21	Direct synthesis of PbS nanocrystals capped with 4-fluorothiophenol in semiconducting polymer. <i>Materials Chemistry and Physics</i> , 2010 , 122, 459-462	4.4	5
20	Electrical model of organic diodes with field-dependent carrier mobility in the presence of an electric field at the injection interface. <i>International Journal of Numerical Modelling: Electronic Networks, Devices and Fields</i> , 2010 , 23, 332-339	1	5
19	Fluorene-Based Donor-Acceptor Copolymers Containing Functionalized Benzotriazole Units: Tunable Emission and their Electrical Properties. <i>Polymers</i> , 2020 , 12,	4.5	4
18	Polyfluorene-Based Multicolor Fluorescent Nanoparticles Activated by Temperature for Bioimaging and Drug Delivery. <i>Nanomaterials</i> , 2019 , 9,	5.4	4

17	Influence of SPP co-stabilizer on the optical properties of CdS quantum dots grown in PVA. <i>Physics Procedia</i> , 2009 , 2, 335-338		4
16	A mixture of mono-, bi- and trifunctional acrylates with eosine O-benzoyloxime: Advances in holographic copolymerizable composition. <i>Journal of Modern Optics</i> , 1999 , 46, 559-566	1.1	4
15	New photopolymer with trifunctional monomer for holographic applications. <i>Applied Physics B: Lasers and Optics</i> , 1996 , 63, 151-153	1.9	4
14	A novel antioxidant phenyl disaccharide from <i>Populus tremula</i> knotwood. <i>Molecules</i> , 2007 , 12, 205-17	4.8	3
13	Optimal composition of an acrylamide and N, N'-methylenebisacrylamide holographic recording material. <i>Journal of Modern Optics</i> , 1998 , 45, 2573-2584	1.1	3
12	Quantum yield and molar absorptivity for a dye photobleaching in a holographic recording material 1998 , 3294, 91		3
11	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. <i>International Journal of Molecular Sciences</i> , 2021 , 22,	6.3	3
10	Cellulose acetate-poly{[9,9-bis(6?-N,N,N-trimethylammonium)hexyl]fluorene-phenylene} bromide blends: Preparation, characterization and transport properties. <i>Reactive and Functional Polymers</i> , 2012 , 72, 420-426	4.6	2
9	Stabilization of neutral polyfluorene in aqueous solution through their interaction with phospholipids and sol-gel encapsulation. <i>ACS Applied Materials & Interfaces</i> , 2013 , 5, 2952-8	9.5	2
8	Facile Preparation of Optically Tailored Hybrid Nanocomposite. <i>Journal of Nanomaterials</i> , 2014 , 2014, 1-7	3.2	2
7	Application of FT-Raman spectroscopy to the study of polymerization photoinitiators Part 1: On the conformation of 1-phenyl-2-(O-benzoyloxime)-1,2-propanedione. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 1997 , 53, 2295-2301	4.4	2
6	Real time study of development process in holographic emulsions. <i>Optics Communications</i> , 2000 , 173, 195-201	2	2
5	Two dyes for holographic recording material: Panchromatic ion pair from Rose Bengal and methylene blue		2
4	P-172: Determination of Hole Mobilities in New Blue Emitting Organic Diodes by Means of Impedance Spectroscopy. <i>Digest of Technical Papers SID International Symposium</i> , 2007 , 38, 841-844	0.5	1
3	Surface and optical characterization of yttrium hydride films deposited on regular glass to be used as switchable mirrors. <i>Surface and Interface Analysis</i> , 2002 , 34, 311-315	1.5	1
2	Hypersensitization in reflection holograms recorded in Agfa-Gevaert 8E75HD plates. <i>Journal of Modern Optics</i> , 2000 , 47, 81-89	1.1	
1	The Immune System of Marine Organisms as Source for Drugs against Infectious Diseases. <i>Marine Drugs</i> , 2022 , 20, 363	6	