

Fernando Lopez-Arbeloa

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59
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92
ext. papers

3,952
ext. citations

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L-index

#	Paper	IF	Citations
90	Characterization of rhodamine 6G aggregates intercalated in solid thin films of laponite clay. 2 Fluorescence spectroscopy. <i>Journal of Physical Chemistry B</i> , 2005 , 109, 7443-50	3.4	173
89	Flourescence self-quenching of the molecular forms of Rhodamine B in aqueous and ethanolic solutions. <i>Journal of Luminescence</i> , 1989 , 44, 105-112	3.8	169
88	Correlations between photophysics and lasing properties of dipyrrometheneBF2 dyes in solution. <i>Chemical Physics Letters</i> , 1999 , 299, 315-321	2.5	136
87	Luminescence properties of rhodamine 6G intercalated in surfactant/clay hybrid thin solid films. <i>Langmuir</i> , 2004 , 20, 4715-9	4	134
86	Hydrogen-bonding effect on the photophysical properties of 7-aminocoumarin derivatives. <i>The Journal of Physical Chemistry</i> , 1993 , 97, 4704-4707		130
85	Structural, photophysical and lasing properties of pyrromethene dyes. <i>International Reviews in Physical Chemistry</i> , 2005 , 24, 339-374	7	122
84	Aggregate formation of rhodamine 6G in aqueous solution. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1982 , 78, 989		120
83	Photoresponse and anisotropy of rhodamine dye intercalated in ordered clay layered films. <i>Journal of Photochemistry and Photobiology C: Photochemistry Reviews</i> , 2007 , 8, 85-108	16.4	117
82	8-PropargylaminoBODIPY: unprecedented blue-emitting pyrromethene dye. Synthesis, photophysics and laser properties. <i>Chemical Communications</i> , 2010 , 46, 5103-5	5.8	111
81	Photophysical and Lasing Properties of New Analogs of the BoronDipyrromethene Laser Dye PM567 in Liquid Solution. <i>Journal of Physical Chemistry A</i> , 2002 , 106, 7736-7742	2.8	110
80	Dimerization and trimerization of rhodamine 6G in aqueous solution. Effect on the fluorescence quantum yield. <i>Journal of the Chemical Society, Faraday Transactions 2</i> , 1988 , 84, 1903		103
79	Influence of the molecular structure and the nature of the solvent on the absorption and fluorecence characteristics of rhodamines. <i>Chemical Physics</i> , 1989 , 130, 371-378	2.3	84
78	Intramolecular charge transfer in pyrromethene laser dyes: photophysical behaviour of PM650. <i>ChemPhysChem</i> , 2004 , 5, 1762-71	3.2	83
77	Photophysical Properties of the Pyrromethene 597 Dye: Solvent Effect. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 5503-5508	2.8	80
76	Orientation of Adsorbed Dyes in the Interlayer Space of Clays. 2 Fluorescence Polarization of Rhodamine 6G in Laponite Films. <i>Chemistry of Materials</i> , 2006 , 18, 1407-1416	9.6	79
75	8-Phenyl-Substituted DipyrrometheneBF2 Complexes as Highly Efficient and Photostable Laser Dyes. <i>Journal of Physical Chemistry A</i> , 2004 , 108, 3315-3323	2.8	78
74	Characterization of Rhodamine 6G Aggregates Intercalated in Solid Thin Films of Laponite Clay. 1. Absorption Spectroscopy. <i>Journal of Physical Chemistry B</i> , 2004 , 108, 20030-20037	3.4	77

73	Orientation and aggregation of cationic laser dyes in a fluoromica: polarized spectrometry studies. <i>Applied Clay Science</i> , 2002 , 22, 125-136	5.2	76
72	Photophysical properties of a new 8-phenyl analogue of the laser dye PM567 in different solvents: internal conversion mechanisms. <i>Chemical Physics Letters</i> , 2004 , 385, 29-35	2.5	67
71	Autofluorescence: Biological functions and technical applications. <i>Plant Science</i> , 2015 , 236, 136-45	5.3	65
70	Red-edge-wavelength finely-tunable laser action from new BODIPY dyes. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7804-11	3.6	64
69	Characterization of supported solid thin films of Laponite clay. Intercalation of rhodamine 6G laser dye. <i>Langmuir</i> , 2004 , 20, 5709-17	4	59
68	On the mechanism of radiationless deactivation of rhodamines. <i>Chemical Physics</i> , 1992 , 160, 123-130	2.3	59
67	On the aggregation of rhodamine B in ethanol. <i>Chemical Physics Letters</i> , 1988 , 148, 253-258	2.5	59
66	Synthesis, photophysical properties, and laser behavior of 3-amino and 3-acetamido BODIPY dyes. <i>Organic Letters</i> , 2007 , 9, 4183-6	6.2	53
65	New analogues of the BODIPY dye PM597: photophysical and lasing properties in liquid solutions and in solid polymeric matrices. <i>Journal of Physical Chemistry A</i> , 2009 , 113, 8118-24	2.8	50
64	Supramolecular chemistry in the structure direction of microporous materials from aromatic structure-directing agents. <i>Journal of the American Chemical Society</i> , 2008 , 130, 13274-84	16.4	49
63	Spectral properties of rhodamine 3B adsorbed on the surface of montmorillonites with variable layer charge. <i>Langmuir</i> , 2007 , 23, 1851-9	4	49
62	Spectroscopic Characterization of the Adsorption of Rhodamine 3B in Hectorite. <i>Langmuir</i> , 2000 , 16, 1285-1291	4	49
61	Orientation of Adsorbed Dyes in the Interlayer Space of Clays. 1. Anisotropy of Rhodamine 6G in Laponite Films by Vis-Absorption with Polarized Light. <i>Chemistry of Materials</i> , 2005 , 17, 4134-4141	9.6	48
60	Adsorption of Rhodamine 3B Dye on Saponite Colloidal Particles in Aqueous Suspensions. <i>Langmuir</i> , 2002 , 18, 2658-2664	4	47
59	The fluorescence quenching mechanisms of Rhodamine 6G in concentrated ethanolic solution. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988 , 45, 313-323	4.7	47
58	Theoretical study of the ground and excited electronic states of pyrromethene 546 laser dye and related compounds. <i>Chemical Physics</i> , 2004 , 296, 13-22	2.3	46
57	Photophysical properties of rhodamines with monoethylamino groups R19 and R6G in water-ethanol mixtures. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1991 , 56, 313-321	4.7	46
56	Spectroscopy of Rhodamine 6G Adsorbed on Sepiolite Aqueous Suspensions. <i>Journal of Colloid and Interface Science</i> , 1997 , 187, 105-12	9.3	45

55	Difluoro-boron-triaza-anthracene: a laser dye in the blue region. Theoretical simulation of alternative difluoro-boron-diaza-aromatic systems. <i>Physical Chemistry Chemical Physics</i> , 2011 , 13, 3437-45	3.6	39
54	New laser dye based on the 3-styryl analog of the BODIPY dye PM567. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008 , 198, 192-199	4.7	39
53	Molecular insights into the self-aggregation of aromatic molecules in the synthesis of nanoporous aluminophosphates: a multilevel approach. <i>Journal of the American Chemical Society</i> , 2009 , 131, 16509-24	16.4	33
52	Structural and spectroscopic characteristics of Pyrromethene 567 laser dye. A theoretical approach. <i>Physical Chemistry Chemical Physics</i> , 2004 , 6, 4247-4253	3.6	33
51	Photophysical and laser emission studies of 8-polyphenylene-substituted BODIPY dyes in liquid solution and in solid polymeric matrices. <i>Photochemical and Photobiological Sciences</i> , 2008 , 7, 802-13	4.2	32
50	Aggregation of rhodamine 3B adsorbed in Wyoming Montmorillonite aqueous suspensions. <i>Journal of Colloid and Interface Science</i> , 2002 , 246, 281-7	9.3	32
49	Laser and Physical Properties of BODIPY Chromophores in New Fluorinated Polymeric Materials. <i>Journal of Physical Chemistry C</i> , 2007 , 111, 1508-1516	3.8	30
48	Luminescence properties of rhodamines in water/ethanol mixtures. <i>Journal of Luminescence</i> , 1991 , 48-49, 400-404	3.8	29
47	New fluorescent polarization method to evaluate the orientation of adsorbed molecules in uniaxial 2D layered materials. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 181, 44-49	4.7	28
46	Influence of fluorinated group on the photophysics of 7-aminocoumarins. <i>Journal of Luminescence</i> , 1996 , 68, 149-155	3.8	27
45	Application of fluorescence with polarized light to evaluate the orientation of dyes adsorbed in layered materials. <i>Journal of Fluorescence</i> , 2006 , 16, 233-40	2.4	26
44	Characterization of Rhodamine 6G Adsorbed onto Hectorite by Electronic Spectroscopy. <i>Journal of Colloid and Interface Science</i> , 1995 , 171, 439-445	9.3	26
43	(1R,2S)-Ephedrine: A New Self-Assembling Chiral Template for the Synthesis of Aluminophosphate Frameworks. <i>Journal of Physical Chemistry C</i> , 2014 , 118, 3069-3077	3.8	24
42	Two-step resonance energy transfer between dyes in layered silicate films. <i>Journal of Colloid and Interface Science</i> , 2011 , 364, 497-504	9.3	24
41	Cooperative Effect of Hydroxide and Fluorinated Organic Ions as Structure Directing Agent in the Synthesis of Crystalline Microporous Aluminophosphates. <i>Chemistry of Materials</i> , 2008 , 20, 987-995	9.6	23
40	Adsorption of fluorescent R6G dye into organophilic C12TMA laponite films. <i>Journal of Colloid and Interface Science</i> , 2008 , 321, 212-9	9.3	23
39	Intercalation of cationic azobenzene derivatives in a synthetic mica and their photoresponse. <i>Applied Clay Science</i> , 2001 , 19, 47-58	5.2	23
38	Photophysical study of new versatile multichromophoric diads and triads with BODIPY and polyphenylene groups. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 10816-22	2.8	22

37	Effect of surfactant C12TMA molecules on the self-association of R6G dye in thin films of laponite clay. <i>Materials Chemistry and Physics</i> , 2009 , 116, 550-556	4.4	21
36	Binary solvent effects on the absorption and emission of 7-aminocoumarins. <i>Journal of Luminescence</i> , 1994 , 59, 369-375	3.8	21
35	Supramolecular Chemistry Controlled by Conformational Space during Structure Direction of Nanoporous Materials: Self-Assembly of Ephedrine and Pseudoephedrine. <i>Journal of Physical Chemistry C</i> , 2015 , 119, 28214-28225	3.8	19
34	Photophysics of Rhodamine 6G Laser Dye in Ordered Surfactant (C12TMA)/Clay (Laponite) Hybrid Films. <i>Journal of Physical Chemistry C</i> , 2009 , 113, 965-970	3.8	19
33	On the arrangements of R6G molecules in organophilic C12TMA/lap clay films for low dye loadings. <i>Langmuir</i> , 2010 , 26, 930-7	4	18
32	Molecular structure effects on the lasing properties of rhodamines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1990 , 55, 97-103	4.7	18
31	Photophysical characterization of new 3-amino and 3-acetamido BODIPY dyes with solvent sensitive properties. <i>Journal of Fluorescence</i> , 2008 , 18, 899-907	2.4	16
30	Aggregation behavior of (S)-(β -N-benzylpyrrolidine-2-methanol in the synthesis of the AFI structure in the presence of dopants. <i>Microporous and Mesoporous Materials</i> , 2009 , 119, 299-305	5.3	14
29	Luminescent 3-hydroxyflavone nanocomposites with a tuneable refractive index for photonics and UV detection by plasma assisted vacuum deposition. <i>Journal of Materials Chemistry C</i> , 2014 , 2, 6561-6573	7.1	13
28	Using random laser emission to investigate the bonding energy of laser dye dimers. <i>Chemical Physics Letters</i> , 2008 , 464, 245-248	2.5	13
27	Supramolecular chemistry of chiral (1R,2S)-ephedrine confined within the AFI framework as a function of the synthesis conditions. <i>Catalysis Today</i> , 2016 , 277, 9-20	5.3	12
26	Chiral discrimination in the dissociation of the intermolecular excimer of N-acetyl-1-pyrenylalanine methyl ester. <i>Journal of the American Chemical Society</i> , 1987 , 109, 3068-3076	16.4	12
25	Intermolecular exciplex formation between 1-pyrenylalanine and chiral amines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988 , 44, 63-83	4.7	12
24	Self-association of the molecular forms of Rhodamine 19. Solvent effect. <i>Spectrochimica Acta Part A: Molecular Spectroscopy</i> , 1989 , 45, 1201-1206		11
23	INTRAMOLECULAR EXCIPLEX FORMATION IN N-ACETYL-1-PYRENYLALANYL-1-METHYLTRYPTOPHAN METHYLESTER. <i>Photochemistry and Photobiology</i> , 1985 , 42, 341-346	3.6	11
22	Microporous aluminophosphates synthesized with 1,2,3-trimethylimidazolium and fluoride. <i>Dalton Transactions</i> , 2016 , 45, 7616-26	4.3	11
21	Effect of Fluorine and Molecular Charge-State on the Aggregation Behavior of (S)-(β -N-Benzylpyrrolidine-2-methanol Confined within the AFI Nanoporous Structure. <i>Journal of Physical Chemistry C</i> , 2013 , 117, 8832-8839	3.8	9
20	Concerning the color change of pyrromethene 650 dye in electron-donor solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2006 , 184, 298-305	4.7	9

19	Environmental effects on the photophysics of pyrromethene 556. <i>Physical Chemistry Chemical Physics</i> , 1999 , 1, 791-795	3.6	9
18	Comparison of the structure-directing effect of ephedrine and pseudoephedrine during crystallization of nanoporous aluminophosphates. <i>Microporous and Mesoporous Materials</i> , 2017 , 254, 211-224	5.3	8
17	Improving the fluorescence polarization method to evaluate the orientation of fluorescent systems adsorbed in ordered layered materials. <i>Journal of Luminescence</i> , 2009 , 129, 1336-1340	3.8	8
16	Supramolecular chemistry controlled by packing interactions during structure-direction of nanoporous materials: Effect of the addition of methyl groups on ephedrine derivatives. <i>Microporous and Mesoporous Materials</i> , 2017 , 239, 432-443	5.3	7
15	Structure Directing Effect of (1S,2S)-2-Hydroxymethyl-1-benzyl-1-methylpyrrolidinium in the Synthesis of AlPO-5. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 8320-8327	3.8	7
14	ICP-2: A New Hybrid Organo-Inorganic Ferrierite Precursor with Expanded Layers Stabilized by π Stacking Interactions. <i>Journal of Physical Chemistry C</i> , 2017 , 121, 24114-24127	3.8	6
13	Un-assemblable layered aluminophosphates from self-assembling structure-directing agents: Effect of fluorine. <i>Microporous and Mesoporous Materials</i> , 2014 , 183, 99-107	5.3	6
12	Bottle-around-a-ship π -confinement of high loadings of Acridine Orange in new aluminophosphate crystalline materials. <i>Journal of Materials Chemistry</i> , 2006 , 16, 1765-1771		5
11	Conformational Space of (1R,2S)-Dimethyl-Ephedrinium and (1S,2S)-Dimethyl-Pseudoephedrinium in the Synthesis of Nanoporous Aluminophosphates. <i>Journal of Physical Chemistry C</i> , 2018 , 122, 20377-20390	3.8	4
10	Photophysics and lasing correlation of pyrromethene 567 dye in crosslinked polymeric networks. <i>Journal of Luminescence</i> , 2007 , 126, 833-837	3.8	4
9	Bichromatic laser emission from dipyrromethene dyes incorporated into solid polymeric media. <i>Journal of Applied Physics</i> , 2007 , 101, 113110	2.5	4
8	Intermolecular excimer formation of Nacetyl-2-pyrenylalanine ethyl ester. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988 , 45, 295-312	4.7	4
7	Chiral discrimination in the intermolecular excimer formation of N-acetyl-1-pyrenylalanine methyl ester in chiral solvents. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 1988 , 42, 133-148	4.7	4
6	Conformational sieving effect of organic structure-directing agents during the synthesis of zeolitic materials. <i>Microporous and Mesoporous Materials</i> , 2019 , 287, 56-64	5.3	3
5	Fluorescence Anisotropy to Study the Preferential Orientation of Fluorophores in Ordered Bi-Dimensional Systems: Rhodamine 6G/Laponite Layered Films. <i>Reviews in Fluorescence</i> , 2010 , 1-35	0	3
4	Influence of hydrogen bonding, main chain-side chain interactions, and protecting groups on the excimer formation of bis(pyrenylalanine) peptides. <i>Biopolymers</i> , 1987 , 26, 1833-1857	2.2	3
3	Precisely voltage tunable polymeric light emitting diodes by controlling polymer chemical oxidation and adding inorganic semiconducting nanoparticles. From blue to red stopping at white in the same device. <i>Organic Electronics</i> , 2009 , 10, 1606-1609	3.5	2
2	Naphthyl-Containing Organophosphonate Derivatives of Keggin-Type Polyoxotungstates. <i>Inorganics</i> , 2016 , 4, 14	2.9	2

- 1 Self-assembly of chiral (1R,2S)-ephedrine and (1S,2S)-pseudoephedrine into low-dimensional aluminophosphate materials driven by their amphiphilic nature. *Physical Chemistry Chemical Physics*, **2018**, 20, 8564-8578 3.6 1