

João Pina

List of Publications by Year in descending order

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106
papers

4,340
citations

94269

37
h-index

114278

63
g-index

110
all docs

110
docs citations

110
times ranked

8741
citing authors

#	ARTICLE	IF	CITATIONS
1	Jet energy measurement and its systematic uncertainty in proton-proton collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 17.	1.4	268
2	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 299.	1.4	238
3	Measurement of the muon reconstruction performance of the ATLAS detector using 2011 and 2012 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 3130.	1.4	213
4	Electron reconstruction and identification efficiency measurements with the ATLAS detector using the 2011 LHC proton-proton collision data. European Physical Journal C, 2014, 74, 2941.	1.4	204
5	Electron and photon energy calibration with the ATLAS detector using LHC Run 1 data. European Physical Journal C, 2014, 74, 1.	1.4	172
6	Measurement of the $t\bar{t}$ production cross-section using e^+e^- events with b -tagged jets in pp collisions at $\sqrt{s} = 7$ and 8 TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3109.	1.4	143
7	Fluorescence Enhancement of the Water-Soluble Poly{1,4-phenylene-[9,9-bis-(4-phenoxybutylsulfonate)]fluorene-2,7-diyl} Copolymer in Dodecylpentaerythritol Glycol Ether Micelles. Macromolecules, 2004, 37, 7425-7427.	2.2	113
8	Constraints on the off-shell Higgs boson signal strength in the high-mass ZZ and WW final states with the ATLAS detector. European Physical Journal C, 2015, 75, 335.	1.4	95
9	Measurements of the WW production cross sections in association with jets with the ATLAS detector. European Physical Journal C, 2015, 75, 82.	1.4	92
10	Alternating Binaphthyl-Thiophene Copolymers: Synthesis, Spectroscopy, and Photophysics and Their Relevance to the Question of Energy Migration versus Conformational Relaxation. Macromolecules, 2009, 42, 1710-1719.	2.2	90
11	Search for production of WW/WZ resonances decaying to a lepton, neutrino and jets in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 209.	1.4	79
12	Light-quark and gluon jet discrimination in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3023.	1.4	77
13	Search for dark matter in events with heavy quarks and missing transverse momentum in pp collisions with the ATLAS detector. European Physical Journal C, 2015, 75, 92.	1.4	77
14	Excited-State Dynamics and Self-Organization of Poly(3-hexylthiophene) (P3HT) in Solution and Thin Films. Journal of Physical Chemistry B, 2012, 116, 2347-2355.	1.2	74
15	Search for resonant diboson production in the $q\bar{q}$ final state in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. European Physical Journal C, 2015, 75, 69.	1.4	74
16	Excited-State Proton Transfer in Indigo. Journal of Physical Chemistry B, 2017, 121, 2308-2318.	1.2	70
17	Interplay of Electrostatic and Hydrophobic Effects with Binding of Cationic Gemini Surfactants and a Conjugated Polyanion: A Experimental and Molecular Modeling Studies. Journal of Physical Chemistry B, 2007, 111, 4401-4410.	1.2	68
18	Measurement of flow harmonics with multi-particle cumulants in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. European Physical Journal C, 2014, 74, 3157.	1.4	68

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19	Synthesis and H ⁺ , Cu ²⁺ , and Zn ²⁺ Coordination Behavior of a Bis(fluorophoric) Bibrachial Lariat Aza-Crown. <i>Inorganic Chemistry</i> , 2004, 43, 6114-6122.	1.9	62
20	Performance of the ATLAS muon trigger in pp collisions at $\sqrt{s} = 8$ TeV. <i>European Physical Journal C</i> , 2015, 75, 120.	1.4	62
21	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
22	Donor-acceptor-donor thienyl/bithienyl-benzothiadiazole/quinoxaline model oligomers: experimental and theoretical studies. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 15204.	1.3	53
23	Triplet-State and Singlet Oxygen Formation in Fluorene-Based Alternating Copolymers. <i>Journal of Physical Chemistry B</i> , 2006, 110, 8278-8283.	1.2	52
24	Multifaceted Regioregular Oligo(thieno[3,4- <i>b</i>]thiophene)s Enabled by Tunable Quinoidization and Reduced Energy Band Gap. <i>Journal of the American Chemical Society</i> , 2015, 137, 10357-10366.	6.6	52
25	Measurement of the top quark mass in the $t \rightarrow \text{lepton} + \text{jets}$ and $t \rightarrow \text{dilepton}$ channels using $\sqrt{s} = 7$ TeV ATLAS data. <i>European Physical Journal C</i> , 2015, 75, 330.	1.4	52
26	Spectroscopy and Coordination Chemistry of a New Bisnaphthalene-Bisphenanthroline Ligand Displaying a Sensing Ability for Metal Cations. <i>Inorganic Chemistry</i> , 2005, 44, 7449-7458.	1.9	51
27	Triphenylamine-Benzimidazole Derivatives: Synthesis, Excited-State Characterization, and DFT Studies. <i>Journal of Organic Chemistry</i> , 2013, 78, 11389-11395.	1.7	48
28	Search for contact interactions and large extra dimensions in the dilepton channel using proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3134.	1.4	48
29	Interaction between the Water Soluble Poly{1,4-phenylene-[9,9-bis(4-phenoxy) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 347 Td (b Conductivity Measurements. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19108-19115.	1.2	47
30	Measurement of distributions sensitive to the underlying event in inclusive Z-boson production in pp collisions at $\sqrt{s} = 7$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3195.	1.4	46
31	Photophysical Studies of \pm -Dicyano-oligothiophenes NC(C ₄ H ₂ S) _n CN (n = 1-6). <i>Journal of Physical Chemistry B</i> , 2006, 110, 6499-6505.	1.2	45
32	Platinum(II) Ring-Fused Chlorins as Near-Infrared Emitting Oxygen Sensors and Photodynamic Agents. <i>ACS Medicinal Chemistry Letters</i> , 2017, 8, 310-315.	1.3	42
33	Spectral and Photophysical Studies on Cruciform Oligothiophenes in Solution and the Solid State. <i>Journal of Physical Chemistry B</i> , 2006, 110, 15100-15106.	1.2	41
34	Measurement of the production and lepton charge asymmetry of W bosons in Pb+Pb collisions at $\sqrt{s_{NN}} = 2.76$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 23.	1.4	41
35	Measurements of jet vetoes and azimuthal decorrelations in dijet events produced in pp collisions at $\sqrt{s} = 7$ TeV using the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3117.	1.4	40
36	Aggregation-Induced Emission in Phenothiazine-TPE and TPAN Polymers. <i>Macromolecules</i> , 2018, 51, 8501-8512.	2.2	39

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37	Energetics and Dynamics of Naphthalene Polyaminic Derivatives. Influence of Structural Design in the Balance Static vs Dynamic Excimer Formation. <i>Journal of Physical Chemistry A</i> , 2003, 107, 11307-11318.	1.1	37
38	Preventing the Formation of the Long-Lived Colored Transoid-Trans Photoisomer in Photochromic Benzopyrans. <i>Organic Letters</i> , 2011, 13, 4040-4043.	2.4	35
39	Search for $W \rightarrow tb \rightarrow qqbb$ decays in pp collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 165.	1.4	35
40	Spectral and Photophysical Characterization of Donor-Acceptor Arylthienyl- and Bithienyl-Benzothiazole Derivatives in Solution and Solid State. <i>Journal of Physical Chemistry A</i> , 2007, 111, 8574-8578.	1.1	34
41	Synthesis and photophysical properties of dansyl-based polyamine ligands and their Zn(II) complexes. <i>Inorganica Chimica Acta</i> , 2007, 360, 1200-1208.	1.2	33
42	Cationic fluorene-thiophene diblock copolymers: Aggregation behaviour in methanol/water and its relation to thin film structures. <i>Polymer</i> , 2010, 51, 1898-1903.	1.8	33
43	PEG-containing ruthenium phthalocyanines as photosensitizers for photodynamic therapy: synthesis, characterization and in vitro evaluation. <i>Journal of Materials Chemistry B</i> , 2017, 5, 5862-5869.	2.9	33
44	On the singlet states of porphyrins, chlorins and bacteriochlorins and their ability to harvest red/infrared light. <i>Photochemical and Photobiological Sciences</i> , 2012, 11, 1233-1238.	1.6	32
45	Optical and Photovoltaic Properties of Thieno[3,2- <i>b</i>]thiophene-Based Push-Pull Organic Dyes with Different Anchoring Groups for Dye-Sensitized Solar Cells. <i>ACS Omega</i> , 2017, 2, 9268-9279.	1.6	32
46	The influence of the relative position of the thiophene and pyrrole rings in donor-acceptor thienylpyrrolyl-benzothiazole derivatives. A photophysical and theoretical investigation. <i>Physical Chemistry Chemical Physics</i> , 2010, 12, 9719.	1.3	31
47	Electronic spectral and photophysical properties of some p-phenylenevinylene oligomers in solution and thin films. <i>Chemical Physics</i> , 2006, 330, 449-456.	0.9	30
48	A comprehensive investigation of the electronic spectral and photophysical properties of conjugated naphthalene-thiophene oligomers. <i>Physical Chemistry Chemical Physics</i> , 2009, 11, 8706.	1.3	30
49	Search for invisible particles produced in association with single-top-quarks in proton-proton collisions at $\sqrt{s} = 8$ TeV with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 79.	1.4	30
50	Polycarbazoles and polytriphenylamines showing aggregation-induced emission (AIE) and intramolecular charge transfer (ICT) behavior for the optical detection of nitroaromatic compounds. <i>Polymer</i> , 2015, 76, 173-181.	1.8	29
51	Brazilwood Reds: The (Photo)Chemistry of Brazilin and Brazilein. <i>Journal of Physical Chemistry A</i> , 2013, 117, 10650-10660.	1.1	28
52	Synthesis and Characterization of the Ground and Excited States of Tripodal-like Oligothiényl-imidazoles. <i>Journal of Physical Chemistry B</i> , 2010, 114, 4964-4972.	1.2	27
53	Highly Efficient Singlet Oxygen Generators Based on Ruthenium Phthalocyanines: Synthesis, Characterization and in vitro Evaluation for Photodynamic Therapy. <i>Chemistry - A European Journal</i> , 2020, 26, 1789-1799.	1.7	27
54	Interactions between surfactants and {1,4-phenylene-[9,9-bis(4-phenoxy-butylsulfonate)]fluorene-2,7-diyl}. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2005, 270-271, 61-66.	2.3	25

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55	A New ZnII Tweezer Pyridine-Naphthalene System - An Off-On-Off System Working in a Biological pH Window. <i>European Journal of Inorganic Chemistry</i> , 2005, 2005, 4301-4308.	1.0	24
56	Unusual photophysical properties of conjugated, alternating indigo-fluorene copolymers. <i>Journal of Materials Chemistry A</i> , 2015, 3, 6373-6382.	5.2	24
57	Understanding Optoelectronic Properties of Cyano-Terminated Oligothiophenes in the Context of Intramolecular Charge Transfer. <i>Journal of Physical Chemistry B</i> , 2011, 115, 10573-10585.	1.2	23
58	A measurement of the ratio of the production cross sections for W^+W^- and Z^0Z^0 bosons in association with jets with the ATLAS detector. <i>European Physical Journal C</i> , 2014, 74, 3168.	1.4	23
59	Room-Temperature Phosphorescence and Efficient Singlet Oxygen Production by Cyclometalated Pt(II) Complexes with Aromatic Alkynyl Ligands. <i>Inorganic Chemistry</i> , 2020, 59, 8220-8230.	1.9	22
60	β -Phase Formation of Poly(9,9-dioctylfluorene) Induced by Liposome Phospholipid Bilayers. <i>Journal of Physical Chemistry B</i> , 2011, 115, 5794-5800.	1.2	21
61	Determination of spin and parity of the Higgs boson in the $W^+W^- \rightarrow e^+e^- \mu^+\mu^-$ decay channel with the ATLAS detector. <i>European Physical Journal C</i> , 2015, 75, 231.	1.4	21
62	Insights into the Photophysics and Supramolecular Organization of Congo Red in Solution and the Solid State. <i>ChemPhysChem</i> , 2017, 18, 564-575.	1.0	20
63	Advances on photodynamic therapy of melanoma through novel ring-fused 5,15-diphenylchlorins. <i>European Journal of Medicinal Chemistry</i> , 2018, 146, 395-408.	2.6	20
64	Photophysical and Spectroscopic Investigations on (Oligo)Thiophene-Arylene Step-ladder Copolymers. The Interplay of Conformational Relaxation and On-Chain Energy Transfer. <i>Journal of Physical Chemistry B</i> , 2009, 113, 15928-15936.	1.2	17
65	Measurement of the top-quark mass in the fully hadronic decay channel from ATLAS data at $\sqrt{s} = 7$ TeV. <i>European Physical Journal C</i> , 2015, 75, 158.	1.4	17
66	Deactivation Routes in Gold(I) Polypyridyl Complexes: Internal Conversion Vs Fast Intersystem Crossing. <i>Inorganic Chemistry</i> , 2018, 57, 13423-13430.	1.9	17
67	Synthesis, Characterization and <i>In Vitro</i> Evaluation of Carbohydrate-Containing Ruthenium Phthalocyanines as Third Generation Photosensitizers for Photodynamic Therapy. <i>ChemPhotoChem</i> , 2018, 2, 640-654.	1.5	17
68	Structure-relation properties of N-substituted phenothiazines in solution and solid state: Photophysical, photostability and aggregation-induced emission studies. <i>Journal of Molecular Liquids</i> , 2020, 317, 113966.	2.3	17
69	Characterisation of the triplet state of a fluorene-terthiophene alternating copolymer. <i>Chemical Physics Letters</i> , 2005, 402, 197-201.	1.2	15
70	Synthesis of a Photochromic Fused 2 <i>H</i> -Chromene Capable of Generating a Single Coloured Species. <i>European Journal of Organic Chemistry</i> , 2012, 2012, 1768-1773.	1.2	15
71	Experimental Techniques for Excited State Characterisation. , 2013, , 533-585.		15
72	Excited State Properties of Oligophenyl and Oligothiophenyl Swivel Cruciforms. <i>Journal of Physical Chemistry B</i> , 2008, 112, 1104-1111.	1.2	14

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73	The effect of substitution and isomeric imperfection on the photophysical behaviour of p-phenylenevinylene trimers. <i>Chemical Physics Letters</i> , 2004, 388, 236-241.	1.2	13
74	Photochromic and photophysical properties of new benzo- and naphtho[1,3]oxazine switches. <i>Photochemical and Photobiological Sciences</i> , 2011, 10, 1346-1354.	1.6	13
75	Cost-efficient method for unsymmetrical meso-aryl porphyrins and iron oxide-porphyrin hybrids prepared thereof. <i>Dalton Transactions</i> , 2016, 45, 16211-16220.	1.6	13
76	Designing highly fluorescent, arylated poly(phenylene vinylene)s of intrinsic microporosity. <i>Journal of Materials Chemistry C</i> , 2020, 8, 2248-2257.	2.7	13
77	Restricted Aggregate Formation on Tetraphenylethene-Substituted Polythiophenes. <i>Journal of Physical Chemistry C</i> , 2020, 124, 13956-13965.	1.5	13
78	A comprehensive study of the spectral and photophysical properties of arylthiophenes. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2008, 194, 67-75.	2.0	12
79	New 3-Ethynylaryl Coumarin-Based Dyes for DSSC Applications: Synthesis, Spectroscopic Properties, and Theoretical Calculations. <i>Molecules</i> , 2021, 26, 2934.	1.7	12
80	Spectral and Photophysical Studies of Poly[2,6-(1,5-dioctyl)naphthalene]thiophenes. <i>Journal of Physical Chemistry C</i> , 2007, 111, 7185-7191.	1.5	11
81	Fast photochromic sterically hindered benzo[1,3]oxazines. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2010, 216, 59-65.	2.0	11
82	Chain Length Dependent Excited-State Decay Processes of Diluted PF2/6 Solutions. <i>Journal of Physical Chemistry B</i> , 2013, 117, 7370-7380.	1.2	11
83	Conformational aspects of the photochromic reactivity of two N-salicylidene aniline derivatives in a polymer matrix. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 332, 475-486.	2.0	11
84	Luminescent halogen-substituted 2-(<i>N</i> -arylimino)pyrrolyl boron complexes: the internal heavy-atom effect. <i>Dalton Transactions</i> , 2020, 49, 10185-10202.	1.6	11
85	Characterization of 4-methylesculetin and of its mono- and di-methoxylated derivatives in water and organic solvents in its ground, singlet and triplet excited states. <i>Journal of Molecular Liquids</i> , 2019, 278, 616-626.	2.3	10
86	Excited State Characterization and Energy Transfer in Hyperbranched Polytruxenes and Polytruxene- <i>block</i> -Polythiophene Multiblock Copolymers. <i>Journal of Physical Chemistry C</i> , 2013, 117, 3718-3728.	1.5	9
87	Cyclopentadithiophene derivatives: a step towards an understanding of thiophene copolymer excited state deactivation pathways. <i>Materials Chemistry Frontiers</i> , 2018, 2, 149-156.	3.2	9
88	Synthesis and characterization of aryl-substituted BODIPY dyes displaying distinct solvatochromic singlet oxygen photosensitization efficiencies. <i>Dyes and Pigments</i> , 2021, 196, 109784.	2.0	9
89	Effect of substitution on the ultrafast deactivation of the excited state of benzo[<i>b</i>]thiophene-arylamines. <i>Photochemical and Photobiological Sciences</i> , 2016, 15, 1029-1038.	1.6	8
90	From molecular modelling to photophysics of neutral oligo- and polyfluorenes incorporated into phospholipid bilayers. <i>Soft Matter</i> , 2015, 11, 303-317.	1.2	7

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91	Alternating donor-acceptor indigo-cyclopentadithiophene copolymers: competition between excited state conformational relaxation, energy transfer and excited state proton transfer. <i>Materials Chemistry Frontiers</i> , 2018, 2, 281-290.	3.2	7
92	Tryptanthrin from indigo: Synthesis, excited state deactivation routes and efficient singlet oxygen sensitization. <i>Dyes and Pigments</i> , 2020, 175, 108125.	2.0	7
93	The effect of polyaromatic hydrocarbons on the spectral and photophysical properties of diaryl-pyrrole derivatives: an experimental and theoretical study. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 18319.	1.3	6
94	Monoterpene-based metallophthalocyanines: Sustainable synthetic approaches and photophysical studies. <i>Journal of Porphyrins and Phthalocyanines</i> , 2020, 24, 947-958.	0.4	5
95	Phenomenological Understanding of Hematite Photoanode Performance. <i>Journal of Physical Chemistry C</i> , 2021, 125, 8274-8284.	1.5	5
96	Novel fluorinated ring-fused chlorins as promising PDT agents against melanoma and esophagus cancer. <i>RSC Medicinal Chemistry</i> , 2021, 12, 615-627.	1.7	5
97	Photochromic cycle of two N-salicylidene-p-X-anilines revealed by the dynamics over 10 orders of magnitude. <i>Journal of Molecular Liquids</i> , 2019, 283, 617-629.	2.3	4
98	Triplet states on π -conjugated polymers, oligomers and related materials. <i>Photochemistry</i> , 2015, , 83-102.	0.2	4
99	Polymeric near infrared emitters with bay-annulated indigo moieties. <i>Materials Advances</i> , 2021, 2, 3736-3743.	2.6	3
100	Transport and photophysical studies on porphyrin-containing sulfonated poly(etheretherketone) composite membranes. <i>Materials Today Communications</i> , 2021, 29, 102781.	0.9	3
101	Ring-Fused meso-Tetraarylchlorins as Auspicious PDT Sensitizers: Synthesis, Structural Characterization, Photophysics, and Biological Evaluation. <i>Frontiers in Chemistry</i> , 2022, 10, 873245.	1.8	3
102	A ruthenium phthalocyanine functionalized with a folic acid unit as a photosensitizer for photodynamic therapy: Synthesis, characterization and in vitro evaluation. <i>Journal of Porphyrins and Phthalocyanines</i> , 0, , .	0.4	2
103	Measurement of the (\overline{t}) production cross-section using $(e\mu)$ events with (b) -tagged jets in (pp) collisions at $(\sqrt{s}=7)$ and 8 TeV with the ATLAS detector. , 2014, 74, 1.		2
104	Search for new phenomena in final states with an energetic jet and large missing transverse momentum in (pp) collisions at $(\sqrt{s}=8\sim)$ TeV with the ATLAS detector. , 2015, 75, 1.		2
105	$\langle I \rangle^2 \langle J \rangle$ -Phase Formation in Poly(9,9-dioctylfluorene) Promoted by Natural Lecithin Liposomes. <i>Journal of Colloid Science and Biotechnology</i> , 2013, 2, 243-248.	0.2	2
106	Search for production of (WW/WZ) resonances decaying to a lepton, neutrino and jets in (pp) collisions at $(\sqrt{s}=8)$ TeV with the ATLAS detector. , 2015, 75, 1.		1