

# Alejandro Ortiz

## List of Publications by Year in descending order

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49  
papers

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citations

471061

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52  
docs citations

52  
times ranked

929  
citing authors

#	ARTICLE	IF	CITATIONS
1	Influence of acetylene-linked $\pi$ -spacers on triphenylamine-fluorene dye sensitized solar cells performance. <i>Solar Energy Materials and Solar Cells</i> , 2014, 121, 61-68.	3.0	38
2	Synthesis and Antifungal &in Vitro Evaluation of Pyrazolo[3,4-b]pyridines Derivatives Obtained by Aza-Diels-Alder Reaction and Microwave Irradiation. <i>Chemical and Pharmaceutical Bulletin</i> , 2017, 65, 143-150.	0.6	34
3	2-(1,1-dicyanomethylene)rhodanine: A novel, efficient electron acceptor. <i>Dyes and Pigments</i> , 2011, 88, 385-390.	2.0	31
4	Effect of $\pi$ -conjugated linkage on photophysical properties: Acetylene linker as the better connection group for highly solvatochromic probes. <i>Dyes and Pigments</i> , 2014, 111, 45-51.	2.0	31
5	Microwave induced three-component synthesis and antimycobacterial activity of benzopyrazolo[3,4-b]quinolindiones. <i>European Journal of Medicinal Chemistry</i> , 2014, 74, 216-224.	2.6	30
6	Triarylamine-BODIPY derivatives: A promising building block as hole transporting materials for efficient perovskite solar cells. <i>Dyes and Pigments</i> , 2019, 171, 107690.	2.0	29
7	Vinyl spacers-tuning electron transfer through fluorene-based molecular wires. <i>Energy and Environmental Science</i> , 2011, 4, 765.	15.6	28
8	Organic dyes containing 2-(1,1-dicyanomethylene)rhodanine as an efficient electron acceptor and anchoring unit for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2014, 107, 9-14.	2.0	28
9	Aminopyrimidine-Based Donor-Acceptor Chromophores: Push-Pull versus Aromatic Behaviour. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 99-108.	1.2	25
10	Efficient microwave-assisted synthesis and antitumor activity of novel 4,4'-methylenebis[2-(3-aryl-4,5-dihydro-1H-pyrazol-5-yl)phenols]. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2436-2440.	2.6	23
11	Solvent-free microwave-assisted synthesis of novel pyrazolo[4,3-b]pyrido[2,3-d]pyrimidines with potential antifungal activity. <i>Arabian Journal of Chemistry</i> , 2016, 9, 481-492.	2.3	23
12	Synthesis, structures, electrochemical studies and antioxidant activity of 5-aryl-4-oxo-3,4,5,8-tetrahydropyrido[2,3-d]pyrimidine-7-carboxylic acids. <i>Journal of Molecular Structure</i> , 2016, 1120, 294-301.	1.8	22
13	On-off switch of charge-separated states of pyridine-vinylene-linked porphyrin-C <sub>60</sub> conjugates detected by EPR. <i>Chemical Science</i> , 2015, 6, 5994-6007.	3.7	21
14	Zn(II)-porphyrin dyes with several electron acceptor groups linked by vinyl-fluorene or vinyl-thiophene spacers for dye-sensitized solar cells. <i>Dyes and Pigments</i> , 2015, 112, 127-137.	2.0	21
15	Novel BODIPY-C60 derivatives with tuned photophysical and electron-acceptor properties: Isoxazolino[60]fullerene and pyrrolidino[60]fullerene. <i>Journal of Luminescence</i> , 2018, 194, 729-738.	1.5	19
16	A Simple One-Pot Synthesis of New Imidazolo[2-a]quinolinones from the Direct Reaction of 2-Chloroquinolin-3-carbaldehyde with Aromatic Diamines. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 317-325.	1.2	18
17	Microwave-Assisted Synthesis of Novel Pyrazolo[3,4-g][1,8]naphthyridin-5-amine with Potential Antifungal and Antitumor Activity. <i>Molecules</i> , 2015, 20, 8499-8520.	1.7	18
18	Synthesis of novel light harvesters based on perylene imides linked to triphenylamines for Dyes Sensitized Solar Cells. <i>Dyes and Pigments</i> , 2018, 153, 182-188.	2.0	15

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19	Azatruxene-Based, Dumbbell-Shaped, Donor- $\pi$ -Bridge-Donor Hole-Transporting Materials for Perovskite Solar Cells. <i>Chemistry - A European Journal</i> , 2020, 26, 11039-11047.	1.7	15
20	Rhodanine-3-acetic acid and $\pi$ -extended tetrathiafulvalene (exTTF) based systems for dye-sensitized solar cells. <i>New Journal of Chemistry</i> , 2014, 38, 5801-5807.	1.4	14
21	Optical and Electronic Properties of Molecular Systems Derived from Rhodanine. <i>Journal of Physical Chemistry A</i> , 2018, 122, 8469-8476.	1.1	14
22	New organic dyes with high IPCE values containing two triphenylamine units as co-donors for efficient dye-sensitized solar cells. <i>RSC Advances</i> , 2015, 5, 60823-60830.	1.7	12
23	Theoretical characterization of photoactive molecular systems based on BODIPY-derivatives for the design of organic solar cells. <i>Computational and Theoretical Chemistry</i> , 2021, 1197, 113165.	1.1	12
24	Microwave-assisted synthesis under solvent-free conditions of (E)-2-(Benzo[d]thiazol-2-yl)-3-arylacrylonitriles. <i>Journal of the Brazilian Chemical Society</i> , 2011, 22, 2396-2402.	0.6	10
25	Synthesis, the electronic properties and efficient photoinduced electron transfer of new pyrrolidine[60]fullerene- and isoxazoline[60]fullerene-BODIPY dyads: nitrile oxide cycloaddition under mild conditions using PIFA. <i>New Journal of Chemistry</i> , 2017, 41, 9061-9069.	1.4	9
26	Synthesis, characterization and photophysics of novel BODIPY linked to dumbbell systems based on Fullerene[60]pyrrolidine and Fullerene[60]isoxazoline. <i>Dyes and Pigments</i> , 2021, 184, 108752.	2.0	9
27	Microwave assisted synthesis of a series of charge-transfer photosensitizers having quinoxaline-2(1H)-one as anchoring group onto TiO <sub>2</sub> surface. <i>Journal of Molecular Structure</i> , 2017, 1133, 384-391.	1.8	7
28	Synthesis, photophysical properties and theoretical studies of new bis-quinolin curcuminoid BF <sub>2</sub> -complexes and their decomplexed derivatives. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2020, 230, 118065.	2.0	7
29	Selenophene-Based Hole-Transporting Materials for Perovskite Solar Cells. <i>ChemPlusChem</i> , 2021, 86, 1006-1013.	1.3	7
30	Geometric Influence on Intramolecular Photoinduced Electron Transfer in Platinum(II) Acetylide-Linked Donor-Acceptor Assemblies. <i>Chemistry - A European Journal</i> , 2014, 20, 11111-11119.	1.7	6
31	Highly Efficient and Diastereoselective Synthesis of New Pyrazolylpyrrolizine and Pyrazolylpyrrolidine Derivates by a Three-Component Domino Process. <i>Molecules</i> , 2014, 19, 4284-4300.	1.7	6
32	Rhodanine-based light-harvesting sensitizers: a rational comparison between 2-(1,1-dicyanomethylene)rhodanine and rhodanine-3-acetic acid. <i>New Journal of Chemistry</i> , 2019, 43, 8781-8787.	1.4	6
33	Antimycobacterial Activity of Pyrimido[4,5- <i>b</i> ]diazepine Derivatives. <i>Archiv Der Pharmazie</i> , 2012, 345, 739-744.	2.1	5
34	Fluorene-Cyclidene-Based Dyes for Dye-Sensitized Solar Cells. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 5537-5545.	1.2	5
35	Synthesis and study of the electronic properties of pyrazolo[1,5- <i>c</i> ]pyrrolo[1,2- <i>a</i> ]quinazoline and pyrazolo[1,5- <i>c</i> ]pyrido[1,2- <i>a</i> ]quinazoline derivatives. <i>Monatshefte Für Chemie</i> , 2017, 148, 237-244.	0.9	5
36	A theoretical chemistry-based strategy for the rational design of new luminescent lanthanide complexes: an approach from a multireference SOC-NEVPT2 method. <i>Dalton Transactions</i> , 2021, 50, 13561-13571.	1.6	5

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37	Photophysical Properties of BODIPY Derivatives for the Implementation of Organic Solar Cells: A Computational Approach. ACS Omega, 2022, 7, 3963-3977.	1.6	5
38	Free-base tetraarylporphyrin covalently linked to [60]fullerene through ethynylfluorene spacer. Journal of Porphyrins and Phthalocyanines, 2011, 15, 1231-1238.	0.4	4
39	Computational and Experimental Study on Molecular Structure of Benzo[g]pyrimido[4,5-b]quinoline Derivatives: Preference of Linear over the Angular Isomer. Applied Sciences (Switzerland), 2017, 7, 967.	1.3	4
40	Evaluating the intramolecular charge transfer in novel meso-alkoxyphenyl and $\hat{1}^2$ -ethynylphenolic BODIPY derivatives. Journal of Molecular Structure, 2020, 1206, 127774.	1.8	4
41	Synthesis and study of fluorescence properties of novel pyrazolo[4,3-b:5,6]pyrido[2,3-d]pyrimidin-5(6H)-one derivatives. Journal of Molecular Structure, 2015, 1097, 69-75.	1.8	3
42	Structural effects on the photoelectrochemical properties of new push-pull dyes based on vinazene acceptor triphenylamine donor. Journal of Molecular Structure, 2016, 1111, 157-165.	1.8	3
43	Catalyst-free three-component synthesis of new pyrrolidine derivatives via 1,3-dipolar cycloaddition. Chemistry of Heterocyclic Compounds, 2019, 55, 352-358.	0.6	2
44	Optical and electrochemical effects of triarylamine inclusion to alkoxy BODIPY-based derivatives. New Journal of Chemistry, 0, , .	1.4	2
45	A Straightforward and Efficient Method for the Synthesis of Diversely Substituted $\hat{1}^2$ -Aminoketones and $\hat{1}^3$ -Aminoalcohols from 3-(N,N-Dimethylamino)propiophenones as Starting Materials. Journal of the Brazilian Chemical Society, 2013, , .	0.6	2
46	New organic photosensitizers based on triphenylamine and hydantoin as anchoring group onto TiO <sub>2</sub> Surface. Journal of Molecular Structure, 2022, 1251, 132072.	1.8	2
47	Syntheses, Experimental and Theoretical Studies on Absorption/Emission Properties of Pyrazoline-Containing Aryl/Methoxynaphthyl Substituents. Journal of the Brazilian Chemical Society, 0, , .	0.6	1
48	Three-component one-pot synthesis of new spiro[indoline-pyrrolidine] derivatives mediated by 1,3-dipolar reaction and DFT analysis. Monatshefte für Chemie, 2021, 152, 497-506.	0.9	1
49	Hexamethylenediammonium bis(chloroacetate): a three-dimensional hydrogen-bonded framework structure. Acta Crystallographica Section C: Crystal Structure Communications, 2008, 64, o505-o507.	0.4	0