

Ivana Pibiri

List of Publications by Year in descending order

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172386

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all docs

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docs citations

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times ranked

1881
citing authors

#	ARTICLE	IF	CITATIONS
1	Photochemically Produced Singlet Oxygen: Applications and Perspectives. <i>ChemPhotoChem</i> , 2018, 2, 535-547.	1.5	97
2	Fluorinated Heterocyclic Compounds. An Expedient Route to 5-Perfluoroalkyl-1,2,4-triazoles via an Unusual Hydrazinolysis of 5-Perfluoroalkyl-1,2,4-oxadiazoles: A First Examples of an ANRORC-Like Reaction in 1,2,4-Oxadiazole Derivatives. <i>Journal of Organic Chemistry</i> , 2003, 68, 605-608.	1.7	80
3	Toward a Rationale for the PTC124 (Ataluren) Promoted Readthrough of Premature Stop Codons: A Computational Approach and GFP-Reporter Cell-Based Assay. <i>Molecular Pharmaceutics</i> , 2014, 11, 653-664.	2.3	73
4	Study on the thermotropic properties of highly fluorinated 1,2,4-oxadiazolopyridinium salts and their perspective applications as ionic liquid crystals. <i>Journal of Materials Chemistry</i> , 2007, 17, 1201.	6.7	61
5	Halogen bond directionality translates tecton geometry into self-assembled architecture geometry. <i>CrystEngComm</i> , 2013, 15, 3102.	1.3	60
6	Perfluorocarbonsâ€“graphene oxide nanoplateforms as biocompatible oxygen reservoirs. <i>Chemical Engineering Journal</i> , 2018, 334, 54-65.	6.6	60
7	Self-Sustaining Supramolecular Ionic Liquid Gels for Dye Adsorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 12453-12462.	3.2	58
8	Five-to-Six Membered Ring-Rearrangements in the Reaction of 5-Perfluoroalkyl-1,2,4-oxadiazoles with Hydrazine and Methylhydrazine. <i>Journal of Organic Chemistry</i> , 2006, 71, 8106-8113.	1.7	55
9	Recent Advances in the Chemistry of 1,2,4-Oxadiazolesâ€“Dedicated to Professor NicolÃ² Vivona on the occasion of his 75th birthday.. <i>Advances in Heterocyclic Chemistry</i> , 2015, 116, 85-136.	0.9	51
10	Photocatalytic green synthesis of piperonal in aqueous TiO ₂ suspension. <i>Applied Catalysis B: Environmental</i> , 2014, 144, 607-613.	10.8	46
11	Synthesis of fluorinated indazoles through ANRORC-like rearrangement of 1,2,4-oxadiazoles with hydrazine. <i>Tetrahedron</i> , 2006, 62, 8792-8797.	1.0	44
12	Enhancement of premature stop codon readthrough in the CFTR gene by Ataluren (PTC124) derivatives. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 236-244.	2.6	42
13	Synthesis of a fluorinated graphene oxideâ€“silica nanohybrid: improving oxygen affinity. <i>RSC Advances</i> , 2016, 6, 46037-46047.	1.7	41
14	Fluorinated Heterocyclic Compoundsâ€“ The First Example of an Irreversible Ring-Degenerate Rearrangement on Five-Membered Heterocycles by Attack of an External Bidentate Nucleophile. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 974-980.	1.2	40
15	Photochemistry of Fluorinated Heterocyclic Compounds. An Expedient Route for the Synthesis of Fluorinated 1,3,4-Oxadiazoles and 1,2,4-Triazoles. <i>Journal of Organic Chemistry</i> , 2004, 69, 4108-4115.	1.7	37
16	Anti-HIV Agents Derived from the ent-Kaurane Diterpenoid Linearol. <i>Journal of Natural Products</i> , 2002, 65, 1594-1597.	1.5	36
17	Fluorinated heterocyclic compounds: an assay on the photochemistry of some fluorinated 1-oxa-2-azoles: an expedient route to fluorinated heterocycles. <i>Journal of Fluorine Chemistry</i> , 2004, 125, 165-173.	0.9	36
18	An Overview of Functionalized Graphene Nanomaterials for Advanced Applications. <i>Nanomaterials</i> , 2021, 11, 1717.	1.9	36

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19	Perfluorocarbon functionalized hyaluronic acid derivatives as oxygenating systems for cell culture. RSC Advances, 2014, 4, 22894.	1.7	35
20	Photoluminescent hybrid nanomaterials from modified halloysite nanotubes. Journal of Materials Chemistry C, 2018, 6, 7377-7384.	2.7	35
21	Competing Ring-Photoisomerization Pathways in the 1,2,4-Oxadiazole Series. An Unprecedented Ring-Degenerate Photoisomerization. Journal of Organic Chemistry, 2002, 67, 6253-6255.	1.7	34
22	Heterocyclic Scaffolds for the Treatment of Alzheimer's Disease. Current Pharmaceutical Design, 2016, 22, 3971-3995.	0.9	34
23	Experimental and DFT Studies on Competitive Heterocyclic Rearrangements. Part 2: A One-Atom Side-Chain versus the Classic Three-Atom Side-Chain (Boulton-Katritzky) Ring Rearrangement of 3-Acylamino-1,2,4-oxadiazoles. Journal of Organic Chemistry, 2007, 72, 7656-7666.	1.7	32
24	A Recent Portrait of Bioactive Triazoles. Current Bioactive Compounds, 2010, 6, 208-242.	0.2	32
25	Synthesis of fluorinated oxadiazoles with gelation and oxygen storage ability. Organic and Biomolecular Chemistry, 2012, 10, 3044.	1.5	32
26	Photocatalysis in dimethyl carbonate green solvent: degradation and partial oxidation of phenanthrene on supported TiO ₂ . RSC Advances, 2014, 4, 40859-40864.	1.7	32
27	Mesomorphic and electrooptical properties of viologens based on non-symmetric alkyl/polyfluoroalkyl functionalization and on an oxadiazolyl-extended bent core. Journal of Materials Chemistry C, 2019, 7, 7974-7983.	2.7	32
28	Deciphering the Nonsense Readthrough Mechanism of Action of Ataluren: An <i>in Silico</i> Compared Study. ACS Medicinal Chemistry Letters, 2019, 10, 522-527.	1.3	32
29	Molecular Rearrangements of 1-Oxa-2-azoles as an Expedient Route to Fluorinated Heterocyclic Compounds. Heterocycles, 2004, 63, 2627.	0.4	32
30	Strategies against Nonsense: Oxadiazoles as Translational Readthrough-Inducing Drugs (TRIDs). International Journal of Molecular Sciences, 2019, 20, 3329.	1.8	31
31	On the reaction of some 5-polyfluoroaryl-1,2,4-oxadiazoles with methylhydrazine: synthesis of fluorinated indazoles. Tetrahedron, 2009, 65, 119-127.	1.0	30
32	Photochemical and photocatalytic isomerization of trans -caffeic acid and cyclization of cis -caffeic acid to esculetin. Applied Catalysis B: Environmental, 2016, 182, 347-355.	10.8	30
33	Fluorinated Heterocyclic Compounds. A Photochemical Approach to a Synthesis of Fluorinated Quinazolin-4-ones. Heterocycles, 2004, 63, 1619.	0.4	30
34	Oxadiazolyl-pyridines and perfluoroalkyl-carboxylic acids as building blocks for protic ionic liquids: crossing the thin line between ionic and hydrogen bonded materials. Physical Chemistry Chemical Physics, 2012, 14, 14306.	1.3	29
35	Exploring the readthrough of nonsense mutations by non-acidic Ataluren analogues selected by ligand-based virtual screening. European Journal of Medicinal Chemistry, 2016, 122, 429-435.	2.6	28
36	Rescuing the CFTR protein function: Introducing 1,3,4-oxadiazoles as translational readthrough inducing drugs. European Journal of Medicinal Chemistry, 2018, 159, 126-142.	2.6	28

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37	Semisynthetic derivatives of ent-kauranes and their antifeedant activity. <i>Phytochemistry</i> , 2001, 58, 463-474.	1.4	26
38	Synthesis of platinum complexes with 2-(5-perfluoroalkyl-1,2,4-oxadiazol-3-yl)-pyridine and 2-(3-perfluoroalkyl-1-methyl-1,2,4-triazole-5-yl)-pyridine ligands and their in vitro antitumor activity. <i>Journal of Inorganic Biochemistry</i> , 2016, 155, 92-100.	1.5	20
39	Synthesis, structural characterization, anti-proliferative and antimicrobial activity of binuclear and mononuclear Pt(II) complexes with perfluoroalkyl-heterocyclic ligands. <i>Inorganica Chimica Acta</i> , 2018, 483, 180-190.	1.2	17
40	Caffeine boosts Ataluren's readthrough activity. <i>Heliyon</i> , 2019, 5, e01963.	1.4	17
41	Designing Fluorous Domains. Synthesis of a Series of Pyridinium Salts Bearing a Perfluoroalkylated Azole Moiety. <i>Heterocycles</i> , 2006, 68, 307.	0.4	17
42	Fluorescent Hg ²⁺ Sensors: Synthesis and Evaluation of a Tren-Based Starburst Molecule Containing Fluorinated 1,2,4-Oxadiazoles. <i>European Journal of Organic Chemistry</i> , 2010, 2010, 4549-4553.	1.2	16
43	Fluorinated Heterocyclic Compounds. Synthesis of 5-Amino-, 5-N-Alkylamino-, and 5-N,N-Dialkylamino-3-perfluoroheptyl-1,2,4-oxadiazoles. <i>Heterocycles</i> , 2002, 57, 1891.	0.4	15
44	1,2,4-Triazolium ions as flexible scaffolds for the construction of polyphilic ionic liquid crystals. <i>Chemical Communications</i> , 2018, 54, 9965-9968.	2.2	13
45	Pharmacophore-Based Design of New Chemical Scaffolds as Translational Readthrough-Inducing Drugs (TRIDs). <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 747-753.	1.3	13
46	Synthesis and mesomorphism of related series of triphilic ionic liquid crystals based on 1,2,4-triazolium cations. <i>Journal of Molecular Liquids</i> , 2021, 321, 114758.	2.3	13
47	Fluorinated Heterocyclic Compounds. A Photochemical Approach to a Synthesis of Polyfluoroaryl-1,2,4-triazoles. <i>Heterocycles</i> , 2005, 65, 387.	0.4	13
48	Synthesis and Characterization of a Series of Alkyloxadiazolylpyridinium Salts as Perspective Ionic Liquids. <i>Heterocycles</i> , 2006, 68, 2653.	0.4	13
49	Targeting Nonsense: Optimization of 1,2,4-Oxadiazole TRIDs to Rescue CFTR Expression and Functionality in Cystic Fibrosis Cell Model Systems. <i>International Journal of Molecular Sciences</i> , 2020, 21, 6420.	1.8	12
50	Solvent dependent photochemical reactivity of 3-allyloxy-1,2,4-oxadiazoles. <i>Arkivoc</i> , 2009, 2009, 156-167.	0.3	10
51	Theoretical study of photoinduced ring-isomerization in the 1,2,4-oxadiazole series. <i>Tetrahedron</i> , 2004, 60, 3243-3249.	1.0	9
52	Synthesis of Fluorinated Bent-Core Mesogens (BCMs) Containing the 1,2,4-Oxadiazole Ring. <i>Journal of Heterocyclic Chemistry</i> , 2016, 53, 1935-1940.	1.4	8
53	On the Photoreaction of Some 1,2,4-Oxadiazoles in the Presence of 2,3-Dimethyl-2-butene. Synthesis of N-Imidoylaziridines. <i>Heterocycles</i> , 2007, 71, 1529.	0.4	8
54	Novel Translational Read-through-Inducing Drugs as a Therapeutic Option for Shwachman-Diamond Syndrome. <i>Biomedicines</i> , 2022, 10, 886.	1.4	7

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55	Recent development in fluorinated antibiotics. , 2019, , 213-239.		5
56	Aqueous selective photocatalytic oxidation of salicyl alcohol by TiO ₂ catalysts: Influence of some physico-chemical features. <i>Catalysis Today</i> , 2021, 380, 16-24.	2.2	5
57	1,2,4-Oxadiazoles. , 2019, , .		4
58	Photochemical functionalization of allyl benzoates by C-H insertion. <i>Tetrahedron</i> , 2013, 69, 6065-6069.	1.0	3
59	Characterization of Isomeric 1,2,4-Oxadiazolyl- <i>N</i> -Methylpyridinium Salts by Electrospray Ionization Tandem Mass Spectrometry. <i>European Journal of Mass Spectrometry</i> , 2007, 13, 199-205.	0.5	2
60	Photochemical synthesis of pyrene perfluoroalkyl derivatives and their embedding in a polymethylmethacrylate matrix: a spectroscopic and structural study. <i>Journal of Materials Chemistry C</i> , 2014, 2, 7722-7730.	2.7	2
61	Dissecting the packing forces in mixed perfluorocarbon/aromatic co-crystals. <i>CrystEngComm</i> , 0, , .	1.3	2
62	Oxadiazolyl-Pyridinium as Cationic Scaffold for Fluorinated Ionic Liquid Crystals. <i>Applied Sciences (Switzerland)</i> , 2021, 11, 10347.	1.3	2
63	Mononuclear Perfluoroalkyl-Heterocyclic Complexes of Pd(II): Synthesis, Structural Characterization and Antimicrobial Activity. <i>Molecules</i> , 2020, 25, 4487.	1.7	1
64	Molecular Approaches Fighting Nonsense. <i>International Journal of Molecular Sciences</i> , 2021, 22, 11933.	1.8	1
65	Fluorinated Heterocyclic Compounds. An Expedient Route to 5-Perfluoroalkyl-1,2,4-triazoles via an Unusual Hydrazinolysis of 5-Perfluoroalkyl-1,2,4-oxadiazoles. First Examples of an ANRORC-Like Reaction in 1,2,4-Oxadiazole Derivatives.. <i>ChemInform</i> , 2003, 34, no.	0.1	0
66	Fluorinated Heterocyclic Compounds: An Assay on the Photochemistry of Some Fluorinated 1-Oxa-2-azoles: An Expedient Route to Fluorinated Heterocycles.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
67	Fluorinated Heterocyclic Compounds " The First Example of an Irreversible Ring-Degenerate Rearrangement on Five-Membered Heterocycles by Attack of an External Bidentate Nucleophile.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
68	Photochemistry of Fluorinated Heterocyclic Compounds. An Expedient Route for the Synthesis of Fluorinated 1,3,4-Oxadiazoles and 1,2,4-Triazoles.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
69	Fluorinated Heterocyclic Compounds. A Photochemical Approach to a Synthesis of Polyfluoroaryl-1,2,4-triazoles.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
70	Heterocyclic Rearrangements: An Expedient Route to the Synthesis of Fluorinated Heterocyclic Compounds" Financial support through the Italian MIUR and University of Palermo within the National Research Project "Fluorinated Compounds: New Materials for Advanced Applications", 2003, , 277.		0