

Filippo Doria

List of Publications by Year in descending order

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papers

2,622
citations

172457
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214800
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docs citations

91
times ranked

2126
citing authors

#	ARTICLE	IF	CITATIONS
1	Quinone Methides Tethered to Naphthalene Diimides as Selective G-Quadruplex Alkylating Agents. <i>Journal of the American Chemical Society</i> , 2009, 131, 13132-13141.	13.7	140
2	Rational Design of Acridine-Based Ligands with Selectivity for Human Telomeric Quadruplexes. <i>Journal of the American Chemical Society</i> , 2010, 132, 12263-12272.	13.7	98
3	Hybrid ligandâ€“alkylating agents targeting telomeric G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2798.	2.8	94
4	Photogeneration and Reactivity of Naphthoquinone Methides as Purine Selective DNA Alkylating Agents. <i>Journal of the American Chemical Society</i> , 2010, 132, 14625-14637.	13.7	91
5	Synthesis, Binding and Antiviral Properties of Potent Core-Extended Naphthalene Diimides Targeting the HIV-1 Long Terminal Repeat Promoter G-Quadruplexes. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9639-9652.	6.4	87
6	Naphthalene diimide scaffolds with dual reversible and covalent interaction properties towards G-quadruplex. <i>Biochimie</i> , 2011, 93, 1328-1340.	2.6	86
7	Water-Soluble Naphthalene Diimides as Singlet Oxygen Sensitizers. <i>Journal of Organic Chemistry</i> , 2013, 78, 8065-8073.	3.2	84
8	Targeting Loop Adenines in Gâ€“Quadruplex by a Selective Oxirane. <i>Chemistry - A European Journal</i> , 2013, 19, 78-81.	3.3	77
9	An Aggregating Amphiphilic Squaraine: A Lightâ€“Probe That Discriminates Parallel Gâ€“Quadruplexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7520-7524.	13.8	77
10	BINOLâ€“Amino Acid Conjugates as Triggerable Carriers of DNA-Targeted Potent Photocytotoxic Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6570-6579.	6.4	71
11	More is not always better: finding the right trade-off between affinity and selectivity of a G-quadruplex ligand. <i>Nucleic Acids Research</i> , 2018, 46, e115-e115.	14.5	71
12	Water soluble extended naphthalene diimides as pH fluorescent sensors and G-quadruplex ligands. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3830.	2.8	69
13	Naphthalene Diimides as Multimodal G-Quadruplex-Selective Ligands. <i>Molecules</i> , 2019, 24, 426.	3.8	63
14	Naphthalene diimides as red fluorescent pH sensors for functional cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 570-576.	2.8	54
15	A red-NIR fluorescent dye detecting nuclear DNA G-quadruplexes: in vitro analysis and cell imaging. <i>Chemical Communications</i> , 2017, 53, 2268-2271.	4.1	54
16	G-Quadruplex Identification in the Genome of Protozoan Parasites Points to Naphthalene Diimide Ligands as New Antiparasitic Agents. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 1231-1240.	6.4	52
17	Substituted Heterocyclic Naphthalene Diimides with Unexpected Acidity. Synthesis, Properties, and Reactivity. <i>Journal of Organic Chemistry</i> , 2009, 74, 8616-8625.	3.2	51
18	Photogenerated Quinone Methides as Useful Intermediates in the Synthesis of Chiral BINOL Ligands. <i>Journal of Organic Chemistry</i> , 2006, 71, 3889-3895.	3.2	50

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19	Vinylidene-Quinone Methides, Photochemical Generation and ¹² -Silicon Effect on Reactivity. Journal of Organic Chemistry, 2012, 77, 3615-3619.	3.2	50
20	Quinone Methides as DNA Alkylating Agents: An Overview on Efficient Activation Protocols for Enhanced Target Selectivity. Current Organic Chemistry, 2014, 18, 19-43.	1.6	47
21	A naphthalene diimide dyad for fluorescence switch-on detection of G-quadruplexes. Chemical Communications, 2015, 51, 9105-9108.	4.1	46
22	Synthesis, Binding Properties, and Differences in Cell Uptake of G-Quadruplex Ligands Based on Carbohydrate Naphthalene Diimide Conjugates. Chemistry - A European Journal, 2017, 23, 2157-2164.	3.3	45
23	Multimeric G-quadruplexes: A review on their biological roles and targeting. International Journal of Biological Macromolecules, 2022, 204, 89-102.	7.5	45
24	Quinone Methide Generation via Photoinduced Electron Transfer. Journal of Organic Chemistry, 2011, 76, 3096-3106.	3.2	43
25	A Photoreactive G-Quadruplex Ligand Triggered by Green Light. Chemistry - A European Journal, 2015, 21, 2330-2334.	3.3	43
26	A Catalytic and Selective Scissoring Molecular Tool for Quadruplex Nucleic Acids. Journal of the American Chemical Society, 2018, 140, 14528-14532.	13.7	39
27	A core extended naphthalene diimide G-quadruplex ligand potently inhibits herpes simplex virus 1 replication. Scientific Reports, 2017, 7, 2341.	3.3	37
28	Novel Naphthalene Diimides as Activatable Precursors of Bisalkylating Agents, by Reduction and Base Catalysis. Journal of Organic Chemistry, 2007, 72, 8354-8360.	3.2	36
29	Selective targeting of mutually exclusive DNA G-quadruplexes: HIV-1 LTR as paradigmatic model. Nucleic Acids Research, 2020, 48, 4627-4642.	14.5	32
30	Red/NIR G-Quadruplex Sensing, Harvesting Blue Light by a Coumarin-Naphthalene Diimide Dyad. Chemistry - A European Journal, 2015, 21, 17596-17600.	3.3	29
31	On the binding of naphthalene diimides to a human telomeric G-quadruplex multimer model. International Journal of Biological Macromolecules, 2021, 166, 1320-1334.	7.5	29
32	Assessment of gene promoter G-quadruplex binding and modulation by a naphthalene diimide derivative in tumor cells. International Journal of Oncology, 2015, 46, 369-380.	3.3	28
33	Down-Regulation of the Androgen Receptor by G-Quadruplex Ligands Sensitizes Castration-Resistant Prostate Cancer Cells to Enzalutamide. Journal of Medicinal Chemistry, 2018, 61, 8625-8638.	6.4	28
34	Carbohydrate-naphthalene diimide conjugates as potential antiparasitic drugs: Synthesis, evaluation and structure-activity studies. European Journal of Medicinal Chemistry, 2019, 163, 54-66.	5.5	27
35	Cationic Pentaheteroaryls as Selective G-Quadruplex Ligands by Solvent-Free Microwave-Assisted Synthesis. Chemistry - A European Journal, 2012, 18, 14487-14496.	3.3	26
36	SARS-CoV-2 Spike Protein Mutations and Escape from Antibodies: A Computational Model of Epitope Loss in Variants of Concern. Journal of Chemical Information and Modeling, 2021, 61, 4687-4700.	5.4	26

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37	A bimodal fluorescent and photocytotoxic naphthalene diimide for theranostic applications. Organic and Biomolecular Chemistry, 2016, 14, 7238-7249.	2.8	25
38	Controlled Pore Glass-based oligonucleotide affinity support: towards High Throughput Screening methods for the identification of conformation-selective G-quadruplex ligands. Analytica Chimica Acta, 2018, 1030, 133-141.	5.4	24
39	Groundbreaking Anticancer Activity of Highly Diversified Oxadiazole Scaffolds. International Journal of Molecular Sciences, 2020, 21, 8692.	4.1	24
40	Manipulating Color Emission in 2D Hybrid Perovskites by Fine Tuning Halide Segregation: A Transparent Green Emitter. Advanced Materials, 2022, 34, e2105942.	21.0	24
41	Conjugation, Substituent, and Solvent Effects on the Photogeneration of Quinone Methides. Journal of Organic Chemistry, 2016, 81, 3665-3673.	3.2	23
42	The <i>MDM2</i> inducible promoter folds into four-tetrad antiparallel G-quadruplexes targetable to fight malignant liposarcoma. Nucleic Acids Research, 2021, 49, 847-863.	14.5	23
43	Targeting of <i>RET</i> oncogene by naphthalene diimide-mediated gene promoter G-quadruplex stabilization exerts anti-tumor activity in oncogene-addicted human medullary thyroid cancer. Oncotarget, 2016, 7, 49649-49663.	1.8	22
44	Naphthalene diimide derivatives G-quadruplex ligands induce cell proliferation inhibition, mild telomeric dysfunction and cell cycle perturbation in U251MG glioma cells. FEBS Journal, 2018, 285, 3769-3785.	4.7	21
45	Trifunctionalized Naphthalene Diimides and Dimeric Analogues as G-Quadruplex-Targeting Anticancer Agents Selected by Affinity Chromatography. International Journal of Molecular Sciences, 2020, 21, 1964.	4.1	20
46	Naphthalene diimides as selective naked-eye chemosensor for copper(II) in aqueous solution. Sensors and Actuators B: Chemical, 2015, 212, 137-144.	7.8	19
47	An Aggregating Amphiphilic Squaraine: A Light-Responsive Probe That Discriminates Parallel G-Quadruplexes. Angewandte Chemie, 2017, 129, 7628-7632.	2.0	19
48	On the interaction of an anticancer trisubstituted naphthalene diimide with G-quadruplexes of different topologies: a structural insight. Nucleic Acids Research, 2020, 48, 12380-12393.	14.5	19
49	Photoarylation/Alkylation of Bromonaphthols. Journal of Organic Chemistry, 2009, 74, 1034-1041.	3.2	18
50	Hydrosoluble and solvatochromic naphthalene diimides with NIR absorption. Organic and Biomolecular Chemistry, 2013, 11, 7838.	2.8	18
51	Phytochemical Characterization and In Vitro Antioxidant Properties of Four Brassica Wild Species from Italy. Molecules, 2020, 25, 3495.	3.8	17
52	Tuneable coumarin-NDI dyads as G-quadruplex specific light-up probes. Sensors and Actuators B: Chemical, 2017, 245, 780-788.	7.8	15
53	Oxadiazole/Pyridine-Based Ligands: A Structural Tuning for Enhancing G-Quadruplex Binding. Molecules, 2018, 23, 2162.	3.8	15
54	G-Quadruplex DNA as a Target in Pathogenic Bacteria: Efficacy of an Extended Naphthalene Diimide Ligand and Its Mode of Action. Journal of Medicinal Chemistry, 2022, 65, 4752-4766.	6.4	15

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55	Synthesis and antiproliferative mechanism of action of pyrrolo[3,2-b:6,7] cyclohepta[1,2-d]pyrimidin-2-amines as singlet oxygen photosensitizers. <i>European Journal of Medicinal Chemistry</i> , 2016, 123, 447-461.	5.5	14
56	Dyads of G-Quadruplex Ligands Triggering DNA Damage Response and Tumour Cell Growth Inhibition at Subnanomolar Concentration. <i>Chemistry - A European Journal</i> , 2019, 25, 11085-11097.	3.3	14
57	G-quadruplex fluorescence sensing by core-extended naphthalene diimides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1303-1311.	2.4	13
58	Pyrrolo[3,2-b:6,7]cyclohepta[1,2-b]pyridines with potent photo-antiproliferative activity. <i>European Journal of Medicinal Chemistry</i> , 2017, 128, 300-318.	5.5	12
59	The Oncogenic Signaling Pathways in BRAF-Mutant Melanoma Cells are Modulated by Naphthalene Diimide-Like G-Quadruplex Ligands. <i>Cells</i> , 2019, 8, 1274.	4.1	12
60	Synthesis and photocytotoxic activity of [1,2,3]triazolo[4,5-h][1,6]naphthyridines and [1,3]oxazolo[5,4-h][1,6]naphthyridines. <i>European Journal of Medicinal Chemistry</i> , 2019, 162, 176-193.	5.5	12
61	Synthesis, crystal structure and antibacterial studies of dihydropyrimidines and their regioselectively oxidized products. <i>RSC Advances</i> , 2021, 11, 6312-6329.	3.6	12
62	Chemical Identification of Specialized Metabolites from <i>Sulla</i> (<i>Hedysarum coronarium</i> L.) Collected in Southern Italy. <i>Molecules</i> , 2021, 26, 4606.	3.8	12
63	Protecting Group Free Synthesis of 6-Substituted Naphthols and Binols. <i>Journal of Organic Chemistry</i> , 2011, 76, 2319-2323.	3.2	10
64	Thiosugar naphthalene diimide conjugates: G-quadruplex ligands with antiparasitic and anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114183.	5.5	10
65	Synthesis, crystal structure and antibacterial properties of 6-methyl-2-oxo-4-(quinolin-2-yl)-1,2,3,4-tetrahydropyrimidine-5-carboxylate. <i>Journal of Molecular Structure</i> , 2020, 1219, 128581.	3.6	9
66	Triterpenic saponins from <i>Medicago marina</i> L. <i>Phytochemistry</i> , 2020, 174, 112333.	2.9	9
67	Selective Recognition of a Single HIV-1 G-Quadruplex by Ultrafast Small-Molecule Screening. <i>Analytical Chemistry</i> , 2021, 93, 15243-15252.	6.5	9
68	Photoarylation of Alkenes and Heteroaromatics by Dibromo-BINOLs in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2010, 75, 3477-3480.	3.2	8
69	DNA Binding Mode Analysis of a Core-Extended Naphthalene Diimide as a Conformation-Sensitive Fluorescent Probe of G-Quadruplex Structures. <i>International Journal of Molecular Sciences</i> , 2021, 22, 10624.	4.1	8
70	Lights on 2,5-diaryl tetrazoles: applications and limits of a versatile photoclick reaction. <i>Photochemical and Photobiological Sciences</i> , 2022, 21, 879-898.	2.9	8
71	Extended Naphthalene Diimides with Donor/Acceptor Hydrogen-Bonding Properties Targeting G-Quadruplex Nucleic Acids. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 4824-4833.	2.4	7
72	A Fragment-Based Approach for the Development of G-Quadruplex Ligands: Role of the Amidoxime Moiety. <i>Molecules</i> , 2018, 23, 1874.	3.8	7

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73	Synthesis, crystal structure and antibacterial studies of 2,4,6-trimethoxybenzaldehyde based dihydropyrimidine derivatives. Journal of Molecular Structure, 2021, 1241, 130678.	3.6	7
74	An overview of quadruplex ligands: Their common features and chemotype diversity. Annual Reports in Medicinal Chemistry, 2020, , 163-196.	0.9	7
75	New perspectives in cancer drug development: computational advances with an eye to design. RSC Medicinal Chemistry, 2021, 12, 1491-1502.	3.9	6
76	Selective Arylation, Alkenylation, and Cyclization of Dibromonaphthols, Using Visible Light, via Carbene Intermediates. Journal of Organic Chemistry, 2009, 74, 5311-5319.	3.2	5
77	Photoactivatable V-shaped Bifunctional Quinone Methide Precursors as a New Class of Selective G-quadruplex Alkylating Agents. Chemistry - A European Journal, 2022, , .	3.3	5
78	Studying the Dynamics of a Complex G-Quadruplex System: Insights into the Comparison of MD and NMR Data. Journal of Chemical Theory and Computation, 2022, 18, 4515-4528.	5.3	5
79	The Binding Pocket at the Interface of Multimeric Telomere G-quadruplexes: Myth or Reality?. Chemistry - A European Journal, 2021, 27, 11707-11720.	3.3	4
80	Selective Binding and Redox-Activity on Parallel G-Quadruplexes by Pegylated Naphthalene Diimide-Copper Complexes. Molecules, 2021, 26, 5025.	3.8	3
81	Modeling Properties and Reactivity of Quinone Methides by DFT Calculations. , 0, , 33-67.		2
82	Photoresponsive molecular devices targeting nucleic acid secondary structures. Photochemistry, 2018, , 281-318.	0.2	1
83	Effects of the Combined Treatment with a G-Quadruplex-Stabilizing Ligand and Photon Beams on Glioblastoma Stem-like Cells: A Magnetic Resonance Study. International Journal of Molecular Sciences, 2021, 22, 12709.	4.1	1
84	The Quest for the Right Trade-off for an Efficient Photoclick Monitoring Reaction. ChemPhotoChem, 0, , .	3.0	0
85	Manipulating Two-Dimensional Hybrid Perovskites Optoelectronic Properties and Phase Segregation by Halides Compositional Engineering. , 0, , .		0