

Filippo Doria

List of Publications by Year in descending order

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85
papers

2,622
citations

172207

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h-index

214527

47
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91
all docs

91
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.	6.6	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.	6.6	98
3	Hybrid ligand-alkylating agents targeting telomeric G-quadruplex structures. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2798.	1.5	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.	6.6	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.	2.9	87
6	Naphthalene diimide scaffolds with dual reversible and covalent interaction properties towards G-quadruplex. <i>Biochimie</i> , 2011, 93, 1328-1340.	1.3	86
7	Water-Soluble Naphthalene Diimides as Singlet Oxygen Sensitizers. <i>Journal of Organic Chemistry</i> , 2013, 78, 8065-8073.	1.7	84
8	Targeting Loop Adenines in G-Quadruplex by a Selective Oxirane. <i>Chemistry - A European Journal</i> , 2013, 19, 78-81.	1.7	77
9	An Aggregating Amphiphilic Squaraine: A Light-Responsive Probe That Discriminates Parallel G-Quadruplexes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7520-7524.	7.2	77
10	BINOL-Amino Acid Conjugates as Triggerable Carriers of DNA-Targeted Potent Photocytotoxic Agents. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 6570-6579.	2.9	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.	6.5	71
12	Water soluble extended naphthalene diimides as pH fluorescent sensors and G-quadruplex ligands. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 3830.	1.5	69
13	Naphthalene Diimides as Multimodal G-Quadruplex-Selective Ligands. <i>Molecules</i> , 2019, 24, 426.	1.7	63
14	Naphthalene diimides as red fluorescent pH sensors for functional cell imaging. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 570-576.	1.5	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.	2.2	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.	2.9	52
17	Substituted Heterocyclic Naphthalene Diimides with Unexpected Acidity. <i>Synthesis, Properties, and Reactivity. Journal of Organic Chemistry</i> , 2009, 74, 8616-8625.	1.7	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.	1.7	50

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19	Vinylidene-Quinone Methides, Photochemical Generation and ¹² -Silicon Effect on Reactivity. <i>Journal of Organic Chemistry</i> , 2012, 77, 3615-3619.	1.7	50
20	Quinone Methides as DNA Alkylating Agents: An Overview on Efficient Activation Protocols for Enhanced Target Selectivity. <i>Current Organic Chemistry</i> , 2014, 18, 19-43.	0.9	47
21	A naphthalene diimide dyad for fluorescence switch-on detection of G-quadruplexes. <i>Chemical Communications</i> , 2015, 51, 9105-9108.	2.2	46
22	Synthesis, Binding Properties, and Differences in Cell Uptake of...G-Quadruplex Ligands Based on Carbohydrate Naphthalene Diimide Conjugates. <i>Chemistry - A European Journal</i> , 2017, 23, 2157-2164.	1.7	45
23	Multimeric G-quadruplexes: A review on their biological roles and targeting. <i>International Journal of Biological Macromolecules</i> , 2022, 204, 89-102.	3.6	45
24	Quinone Methide Generation via Photoinduced Electron Transfer. <i>Journal of Organic Chemistry</i> , 2011, 76, 3096-3106.	1.7	43
25	A Photoreactive G-Quadruplex Ligand Triggered by Green Light. <i>Chemistry - A European Journal</i> , 2015, 21, 2330-2334.	1.7	43
26	A Catalytic and Selective Scissoring Molecular Tool for Quadruplex Nucleic Acids. <i>Journal of the American Chemical Society</i> , 2018, 140, 14528-14532.	6.6	39
27	A core extended naphthalene diimide G-quadruplex ligand potently inhibits herpes simplex virus 1 replication. <i>Scientific Reports</i> , 2017, 7, 2341.	1.6	37
28	Novel Naphthalene Diimides as Activatable Precursors of Bisalkylating Agents, by Reduction and Base Catalysis. <i>Journal of Organic Chemistry</i> , 2007, 72, 8354-8360.	1.7	36
29	Selective targeting of mutually exclusive DNA G-quadruplexes: HIV-1 LTR as paradigmatic model. <i>Nucleic Acids Research</i> , 2020, 48, 4627-4642.	6.5	32
30	Red/NIR G-Quadruplex Sensing, Harvesting Blue Light by a Coumarin-Naphthalene Diimide Dyad. <i>Chemistry - A European Journal</i> , 2015, 21, 17596-17600.	1.7	29
31	On the binding of naphthalene diimides to a human telomeric G-quadruplex multimer model. <i>International Journal of Biological Macromolecules</i> , 2021, 166, 1320-1334.	3.6	29
32	Assessment of gene promoter G-quadruplex binding and modulation by a naphthalene diimide derivative in tumor cells. <i>International Journal of Oncology</i> , 2015, 46, 369-380.	1.4	28
33	Down-Regulation of the Androgen Receptor by G-Quadruplex Ligands Sensitizes Castration-Resistant Prostate Cancer Cells to Enzalutamide. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 8625-8638.	2.9	28
34	Carbohydrate-naphthalene diimide conjugates as potential antiparasitic drugs: Synthesis, evaluation and structure-activity studies. <i>European Journal of Medicinal Chemistry</i> , 2019, 163, 54-66.	2.6	27
35	Cationic Pentaheteroaryls as Selective G-Quadruplex Ligands by Solvent-Free Microwave-Assisted Synthesis. <i>Chemistry - A European Journal</i> , 2012, 18, 14487-14496.	1.7	26
36	SARS-CoV-2 Spike Protein Mutations and Escape from Antibodies: A Computational Model of Epitope Loss in Variants of Concern. <i>Journal of Chemical Information and Modeling</i> , 2021, 61, 4687-4700.	2.5	26

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37	A bimodal fluorescent and photocytotoxic naphthalene diimide for theranostic applications. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 7238-7249.	1.5	25
38	Controlled Pore Glass-based oligonucleotide affinity support: towards High Throughput Screening methods for the identification of conformation-selective G-quadruplex ligands. <i>Analytica Chimica Acta</i> , 2018, 1030, 133-141.	2.6	24
39	Groundbreaking Anticancer Activity of Highly Diversified Oxadiazole Scaffolds. <i>International Journal of Molecular Sciences</i> , 2020, 21, 8692.	1.8	24
40	Manipulating Color Emission in 2D Hybrid Perovskites by Fine Tuning Halide Segregation: A Transparent Green Emitter. <i>Advanced Materials</i> , 2022, 34, e2105942.	11.1	24
41	Conjugation, Substituent, and Solvent Effects on the Photogeneration of Quinone Methides. <i>Journal of Organic Chemistry</i> , 2016, 81, 3665-3673.	1.7	23
42	The <i>MDM2</i> inducible promoter folds into four-tetrad antiparallel G-quadruplexes targetable to fight malignant liposarcoma. <i>Nucleic Acids Research</i> , 2021, 49, 847-863.	6.5	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. <i>Oncotarget</i> , 2016, 7, 49649-49663.	0.8	22
44	Naphthalene diimide derivatives G-quadruplex ligands induce cell proliferation inhibition, mild telomeric dysfunction and cell cycle perturbation in U251MG glioma cells. <i>FEBS Journal</i> , 2018, 285, 3769-3785.	2.2	21
45	Trifunctionalized Naphthalene Diimides and Dimeric Analogues as G-Quadruplex-Targeting Anticancer Agents Selected by Affinity Chromatography. <i>International Journal of Molecular Sciences</i> , 2020, 21, 1964.	1.8	20
46	Naphthalene diimides as selective naked-eye chemosensor for copper(II) in aqueous solution. <i>Sensors and Actuators B: Chemical</i> , 2015, 212, 137-144.	4.0	19
47	An Aggregating Amphiphilic Squaraine: A Light-Responsive Probe That Discriminates Parallel G-Quadruplexes. <i>Angewandte Chemie</i> , 2017, 129, 7628-7632.	1.6	19
48	On the interaction of an anticancer trisubstituted naphthalene diimide with G-quadruplexes of different topologies: a structural insight. <i>Nucleic Acids Research</i> , 2020, 48, 12380-12393.	6.5	19
49	Photoarylation/Alkylation of Bromonaphthols. <i>Journal of Organic Chemistry</i> , 2009, 74, 1034-1041.	1.7	18
50	Hydrosoluble and solvatochromic naphthalene diimides with NIR absorption. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 7838.	1.5	18
51	Phytochemical Characterization and In Vitro Antioxidant Properties of Four Brassica Wild Species from Italy. <i>Molecules</i> , 2020, 25, 3495.	1.7	17
52	Tuneable coumarin-NDI dyads as G-quadruplex specific light-up probes. <i>Sensors and Actuators B: Chemical</i> , 2017, 245, 780-788.	4.0	15
53	Oxadiazole/Pyridine-Based Ligands: A Structural Tuning for Enhancing G-Quadruplex Binding. <i>Molecules</i> , 2018, 23, 2162.	1.7	15
54	G-Quadruplex DNA as a Target in Pathogenic Bacteria: Efficacy of an Extended Naphthalene Diimide Ligand and Its Mode of Action. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 4752-4766.	2.9	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.	2.6	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.	1.7	14
57	G-quadruplex fluorescence sensing by core-extended naphthalene diimides. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2017, 1861, 1303-1311.	1.1	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.	2.6	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.	1.8	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.	2.6	12
61	Synthesis, crystal structure and antibacterial studies of dihydropyrimidines and their regioselectively oxidized products. <i>RSC Advances</i> , 2021, 11, 6312-6329.	1.7	12
62	Chemical Identification of Specialized Metabolites from Sulla (<i>Hedysarum coronarium</i> L.) Collected in Southern Italy. <i>Molecules</i> , 2021, 26, 4606.	1.7	12
63	Protecting Group Free Synthesis of 6-Substituted Naphthols and Binols. <i>Journal of Organic Chemistry</i> , 2011, 76, 2319-2323.	1.7	10
64	Thiosugar naphthalene diimide conjugates: G-quadruplex ligands with antiparasitic and anticancer activity. <i>European Journal of Medicinal Chemistry</i> , 2022, 232, 114183.	2.6	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.	1.8	9
66	Triterpenic saponins from <i>Medicago marina</i> L. <i>Phytochemistry</i> , 2020, 174, 112333.	1.4	9
67	Selective Recognition of a Single HIV-1 G-Quadruplex by Ultrafast Small-Molecule Screening. <i>Analytical Chemistry</i> , 2021, 93, 15243-15252.	3.2	9
68	Photoarylation of Alkenes and Heteroaromatics by Dibromo-BINOLs in Aqueous Solution. <i>Journal of Organic Chemistry</i> , 2010, 75, 3477-3480.	1.7	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.	1.8	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.	1.6	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.	1.2	7
72	A Fragment-Based Approach for the Development of G-Quadruplex Ligands: Role of the Amidoxime Moiety. <i>Molecules</i> , 2018, 23, 1874.	1.7	7

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73	Synthesis, crystal structure and antibacterial studies of 2,4,6-trimethoxybenzaldehyde based dihydropyrimidine derivatives. <i>Journal of Molecular Structure</i> , 2021, 1241, 130678.	1.8	7
74	An overview of quadruplex ligands: Their common features and chemotype diversity. <i>Annual Reports in Medicinal Chemistry</i> , 2020, , 163-196.	0.5	7
75	New perspectives in cancer drug development: computational advances with an eye to design. <i>RSC Medicinal Chemistry</i> , 2021, 12, 1491-1502.	1.7	6
76	Selective Arylation, Alkenylation, and Cyclization of Dibromonaphthols, Using Visible Light, via Carbene Intermediates. <i>Journal of Organic Chemistry</i> , 2009, 74, 5311-5319.	1.7	5
77	Photoactivatable V-shaped Bifunctional Quinone Methide Precursors as a New Class of Selective G-quadruplex Alkylating Agents. <i>Chemistry - A European Journal</i> , 2022, , .	1.7	5
78	Studying the Dynamics of a Complex G-Quadruplex System: Insights into the Comparison of MD and NMR Data. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 4515-4528.	2.3	5
79	The Binding Pocket at the Interface of Multimeric Telomere G-quadruplexes: Myth or Reality?. <i>Chemistry - A European Journal</i> , 2021, 27, 11707-11720.	1.7	4
80	Selective Binding and Redox-Activity on Parallel G-Quadruplexes by Pegylated Naphthalene Diimide-Copper Complexes. <i>Molecules</i> , 2021, 26, 5025.	1.7	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. <i>Photochemistry</i> , 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. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12709.	1.8	1
84	The Quest for the Right Trade-off for an Efficient Photoclick Monitoring Reaction. <i>ChemPhotoChem</i> , 0, , .	1.5	0
85	Manipulating Two-Dimensional Hybrid Perovskites Optoelectronic Properties and Phase Segregation by Halides Compositional Engineering. , 0, , .		0