Rui Moreira

List of Publications by Year
in descending order

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172	5,514	94433	114465
papers	citations	37 h-index	63 g-index

191	191	191	6894
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Towards the sustainable discovery and development of new antibiotics. Nature Reviews Chemistry, 2021, 5, 726-749.	30.2	439
2	Primaquine revisited six decades after its discovery. European Journal of Medicinal Chemistry, 2009, 44, 937-953.	5.5	300
3	Synthetic organic chemistry driven by artificial intelligence. Nature Reviews Chemistry, 2019, 3, 589-604.	30.2	173
4	Indoloquinolines as Scaffolds for Drug Discovery. Current Medicinal Chemistry, 2010, 17, 2348-2370.	2.4	160
5	Michael Acceptors as Cysteine Protease Inhibitors. Mini-Reviews in Medicinal Chemistry, 2007, 7, 1040-1050.	2.4	130
6	An Overview of Drug Resistance in Protozoal Diseases. International Journal of Molecular Sciences, 2019, 20, 5748.	4.1	109
7	Drug Screen Targeted at Plasmodium Liver Stages Identifies a Potent Multistage Antimalarial Drug. Journal of Infectious Diseases, 2012, 205, 1278-1286.	4.0	97
8	Design of Modular Gâ€quadruplex Ligands. ChemMedChem, 2018, 13, 869-893.	3.2	97
9	Reaction of naphthoquinones with substituted nitromethanes. Facile synthesis and antifungal activity of naphtho[2,3-d]isoxazole-4,9-diones. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 193-195.	2.2	94
10	Drug discovery in tuberculosis. New drug targets and antimycobacterial agents. European Journal of Medicinal Chemistry, 2018, 150, 525-545.	5.5	92
11	Targeting COPD: advances on lowâ€molecularâ€weight inhibitors of human neutrophil elastase. Medicinal Research Reviews, 2013, 33, E73-101.	10.5	84
12	Metabolism of primaquine by liver homogenate fractions. Experimental and Toxicologic Pathology, 1999, 51, 299-303.	2.1	83
13	Imidazolidin-4-one Derivatives of Primaquine as Novel Transmission-Blocking Antimalarials. Journal of Medicinal Chemistry, 2005, 48, 888-892.	6.4	78
14	KRAS oncogene repression in colon cancer cell lines by G-quadruplex binding indolo[3,2-c]quinolines. Scientific Reports, 2015, 5, 9696.	3.3	74
15	Targeting the Liver Stage of Malaria Parasites: A Yet Unmet Goal. Journal of Medicinal Chemistry, 2012, 55, 995-1012.	6.4	73
16	Torins are potent antimalarials that block replenishment of Plasmodium liver stage parasitophorous vacuole membrane proteins. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, E2838-47.	7.1	73
17	Synthesis of imidazolidin-4-one and 1H-imidazo[2,1-a]isoindole-2,5(3H,9bH)-dione derivatives of primaquine: scope and limitations. Tetrahedron, 2004, 60, 5551-5562.	1.9	68
18	Dipeptide vinyl sultams: Synthesis via the Wittigâ€“Horner reaction and activity against papain, falcipain-2 and Plasmodium falciparum. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4115-4119.	2.2	66

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19	Design and Evaluation of Primaquine-Artemisinin Hybrids as a Multistage Antimalarial Strategy. Antimicrobial Agents and Chemotherapy, 2011, 55, 4698-4706.	3.2	65
20	Probing the aurone scaffold against Plasmodium falciparum: Design, synthesis and antimalarial activity. European Journal of Medicinal Chemistry, 2014, 80, 523-534.	5.5	64
21	Incorporation of Basic Side Chains into Cryptolepine Scaffold: Structureâ^'Antimalarial Activity Relationships and Mechanistic Studies. Journal of Medicinal Chemistry, 2011, 54, 734-750.	6.4	57
22	Synthesis and evaluation of spiroisoxazoline oxindoles as anticancer agents. Bioorganic and Medicinal Chemistry, 2014, 22, 577-584.	3.0	56
23	Design, Synthesis and Stability of N-Acyloxymethyl- and N-Aminocarbonyloxymethyl-2-azetidinones as Human Leukocyte Elastase Inhibitors. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1065-1068.	2.2	52
24	Comparative in vitro and in vivo antimalarial activity of the indole alkaloids ellipticine, olivacine, cryptolepine and a synthetic cryptolepine analog. Phytomedicine, 2012, 20, 71-76.	5.3	51
25	Five-membered iminocyclitol Î±-glucosidase inhibitors: Synthetic, biological screening and in silico studies. Bioorganic and Medicinal Chemistry, 2013, 21, 1911-1917.	3.0	51
26	Cyclization-activated Prodrugs. Molecules, 2007, 12, 2484-2506.	3.8	50
27	Amidomethylation of amodiaquine: antimalarial N-Mannich base derivatives. Tetrahedron Letters, 2004, 45, 7663-7666.	1.4	49
28	Artemisinin-dipeptidyl vinyl sulfone hybrid molecules: Design, synthesis and preliminary SAR for antiplasmodial activity and falcipain-2 inhibition. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3229-3232.	2.2	49
29	Cryptolepine analogues containing basic aminoalkyl side-chains at C-11: Synthesis, antiplasmodial activity, and cytotoxicity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1378-1381.	2.2	45
30	Inhibitors of the Mitochondrial Electron Transport Chain and de novo Pyrimidine Biosynthesis as Antimalarials: The Present Status. Current Medicinal Chemistry, 2010, 17, 929-956.	2.4	43
31	4-Oxo-Î²-lactams (Azetidine-2,4-diones) Are Potent and Selective Inhibitors of Human Leukocyte Elastase. Journal of Medicinal Chemistry, 2010, 53, 241-253.	6.4	43
32	Tetraoxaneâ€“Pyrimidine Nitrile Hybrids as Dual Stage Antimalarials. Journal of Medicinal Chemistry, 2014, 57, 4916-4923.	6.4	43
33	Targeting KRAS Oncogene in Colon Cancer Cells with 7-Carboxylate Indolo[3,2-b]quinoline Tri-Alkylamine Derivatives. PLoS ONE, 2015, 10, e0126891.	2.5	41
34	Novel Endoperoxide-Based Transmission-Blocking Antimalarials with Liver- and Blood-Schizontocidal Activities. ACS Medicinal Chemistry Letters, 2014, 5, 108-112.	2.8	40
35	Synthesis, Gâ€Quadruplex Stabilisation, Docking Studies, and Effect on Cancer Cells of Indolo[3,2â€b]quinolines with One, Two, or Three Basic Side Chains. ChemMedChem, 2013, 8, 1648-1661.	3.2	39
36	From hybrid compounds to targeted drug delivery in antimalarial therapy. Bioorganic and Medicinal Chemistry, 2015, 23, 5120-5130.	3.0	38

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37	Dipeptidyl Vinyl Sulfone as a Novel Chemical Tool to Inhibit HMGB1/NLRP3-Inflammasome and Inflamma-miRs in AÎ²-Mediated Microglial Inflammation. ACS Chemical Neuroscience, 2017, 8, 89-99.	3.5	38
38	Starch nanocapsules containing a novel neutrophil elastase inhibitor with improved pharmaceutical performance. European Journal of Pharmaceutics and Biopharmaceutics, 2018, 127, 1-11.	4.3	38
39	Diazaborines as New Inhibitors of Human Neutrophil Elastase. ACS Omega, 2018, 3, 7418-7423.	3.5	38
40	Malaria Combination Therapies: Advantages and Shortcomings. Mini-Reviews in Medicinal Chemistry, 2008, 8, 201-212.	2.4	37
41	Cell Death Targets and Potential Modulators in Alzheimers Disease. Current Pharmaceutical Design, 2010, 16, 2851-2864.	1.9	36
42	Cytotoxic bile acids, but not cytoprotective species, inhibit the ordering effect of cholesterol in model membranes at physiologically active concentrations. Biochimica Et Biophysica Acta - Biomembranes, 2013, 1828, 2152-2163.	2.6	36
43	Deoxycholic acid modulates cell death signaling through changes in mitochondrial membrane properties. Journal of Lipid Research, 2015, 56, 2158-2171.	4.2	36
44	Phenotypic Effects of Wild-Type and Mutant SOD1 Expression in N9 Murine Microglia at Steady State, Inflammatory and Immunomodulatory Conditions. Frontiers in Cellular Neuroscience, 2019, 13, 109.	3.7	36
45	Imidazoquines as Antimalarial and Antipneumocystis Agents. Journal of Medicinal Chemistry, 2009, 52, 7800-7807.	6.4	35
46	Endoperoxide Carbonyl Falcipain 2/3 Inhibitor Hybrids: Toward Combination Chemotherapy of Malaria through a Single Chemical Entity. Journal of Medicinal Chemistry, 2010, 53, 8202-8206.	6.4	35
47	Dipeptide derivatives of primaquine as transmission-blocking antimalarials: effect of aliphatic side-chain acylation on the gametocytocidal activity and on the formation of carboxyprimaquine in rat liver homogenates. Pharmaceutical Research, 1999, 16, 949-955.	3.5	34
48	Synthesis and evaluation of vinyl sulfones as caspase-3 inhibitors. AÂstructureâ€“activity study. European Journal of Medicinal Chemistry, 2010, 45, 3858-3863.	5.5	34
49	Squaric acid: a valuable scaffold for developing antimalarials?. MedChemComm, 2012, 3, 489.	3.4	34
50	Design, Synthesis, and Enzymatic Evaluation ofN1-Acyloxyalkyl-andN1-Oxazolidin-2,4-dion-5-yl-Substituted Î²-lactams as Novel Inhibitors of Human Leukocyte Elastase. Journal of Medicinal Chemistry, 2005, 48, 4861-4870.	6.4	33
51	The 1,4-naphthoquinone scaffold in the design of cysteine protease inhibitors. Bioorganic and Medicinal Chemistry, 2007, 15, 5340-5350.	3.0	33
52	Design, synthesis and evaluation of 3-methylene-substituted indolinones as antimalarials. European Journal of Medicinal Chemistry, 2011, 46, 927-933.	5.5	33
53	Acyloxymethyl as a drug protecting group: Part 4. The hydrolysis of tertiary amidomethyl ester prodrugs of carboxylic acid agents. Pharmaceutical Research, 1997, 14, 1634-1639.	3.5	32
54	Cyclization-activated prodrugs. Synthesis, reactivity and toxicity of dipeptide esters of paracetamol. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 1595-1598.	2.2	32

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55	Novel Potent Metallocenes against Liver Stage Malaria. Antimicrobial Agents and Chemotherapy, 2012, 56, 1564-1570.	3.2	32
56	An Endoperoxideâ€Based Hybrid Approach to Deliver Falcipain Inhibitors Inside Malaria Parasites. ChemMedChem, 2013, 8, 1528-1536.	3.2	32
57	Imidazolidin-4-one peptidomimetic derivatives of primaquine: Synthesis and antimalarial activity. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4150-4153.	2.2	31
58	Azetidine-2,4-diones (4-Oxo-Î²-lactams) as Scaffolds for Designing Elastase Inhibitors. Journal of Medicinal Chemistry, 2008, 51, 1783-1790.	6.4	31
59	New hope in the fight against malaria?. Future Medicinal Chemistry, 2011, 3, 1-3.	2.3	31
60	Efficient synthesis of spiroisoxazoline oxindoles. Tetrahedron Letters, 2012, 53, 281-284.	1.4	31
61	Discovery of new heterocycles with activity against human neutrophile elastase based on a boron promoted one-pot assembly reaction. Organic and Biomolecular Chemistry, 2013, 11, 4465.	2.8	31
62	Exploring the 3-piperidin-4-yl-1H-indole scaffold as a novel antimalarial chemotype. European Journal of Medicinal Chemistry, 2015, 102, 320-333.	5.5	31
63	Peptidomimetic and Organometallic Derivatives of Primaquine Active against Leishmania infantum. Antimicrobial Agents and Chemotherapy, 2012, 56, 5774-5781.	3.2	30
64	Enantiopure Indolizinoindolones with in vitro Activity against Bloodâ€and Liverâ€Stage Malaria Parasites. ChemMedChem, 2015, 10, 2080-2089.	3.2	30
65	Endoperoxide-8-aminoquinoline hybrids as dual-stage antimalarial agents with enhanced metabolic stability. European Journal of Medicinal Chemistry, 2018, 149, 69-78.	5.5	30
66	Anti-Pneumocystis carinii and antiplasmodial activities of primaquine-derived imidazolidin-4-ones. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 485-488.	2.2	29
67	Design, synthesis and structureâ€“activity relationships of (1H-pyridin-4-ylidene)amines as potential antimalarials. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 3476-3480.	2.2	29
68	Reactivity of imidazolidin-4-one derivatives of primaquine: implications for prodrug design. Tetrahedron, 2006, 62, 9883-9891.	1.9	28
69	Chemical Variations on the p53 Reactivation Theme. Pharmaceuticals, 2016, 9, 25.	3.8	28
70	Primaquine dipeptide derivatives bearing an imidazolidin-4-one moiety at the N-terminus as potential antimalarial prodrugs. European Journal of Medicinal Chemistry, 2009, 44, 2506-2516.	5.5	27
71	Spirotriazoline oxindoles: A novel chemical scaffold with inÂvitro anticancer properties. European Journal of Medicinal Chemistry, 2017, 140, 494-509.	5.5	27
72	C-11 diamino cryptolepine derivatives NSC748392, NSC748393, and NSC748394: Anticancer profile and G-quadruplex stabilization. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 7042-7045.	2.2	26

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73	Optimization of O₃-Acyl Kojic Acid Derivatives as Potent and Selective Human Neutrophil Elastase Inhibitors. Journal of Medicinal Chemistry, 2013, 56, 9802-9806.	6.4	26
74	Recovery of Depleted miR-146a in ALS Cortical Astrocytes Reverts Cell Aberrancies and Prevents Paracrine Pathogenicity on Microglia and Motor Neurons. Frontiers in Cell and Developmental Biology, 2021, 9, 634355.	3.7	26
75	PRIMACENES: novel non-cytotoxic primaquine-ferrocene conjugates with anti-Pneumocystis carinii activity. MedChemComm, 2010, 1, 199.	3.4	25
76	Aspartic vinyl sulfones: Inhibitors of a caspase-3-dependent pathway. European Journal of Medicinal Chemistry, 2011, 46, 2141-2146.	5.5	25
77	Structureâ€“activity relationships for dipeptide prodrugs of acyclovir: Implications for prodrug design. European Journal of Medicinal Chemistry, 2009, 44, 2339-2346.	5.5	24
78	Aza vinyl sulfones: Synthesis and evaluation as antiplasmodial agents. Bioorganic and Medicinal Chemistry, 2011, 19, 7635-7642.	3.0	24
79	Indolo[3,2â€c]quinoline Gâ€Quadruplex Stabilizers: a Structural Analysis of Binding to the Human Telomeric Gâ€Quadruplex. ChemMedChem, 2015, 10, 836-849.	3.2	24
80	Clickable 4â€Oxoâ€Î²â€lactamâ€Based Selective Probing for Human Neutrophil Elastase Related Proteomes. ChemMedChem, 2016, 11, 2037-2042.	3.2	24
81	Spirooxadiazoline oxindoles with promising in vitro antitumor activities. MedChemComm, 2016, 7, 420-425.	3.4	24
82	A carbamate-based approach to primaquine prodrugs: Antimalarial activity, chemical stability and enzymatic activation. Bioorganic and Medicinal Chemistry, 2012, 20, 886-892.	3.0	23
83	Probing the Azaaurone Scaffold against the Hepatic and Erythrocytic Stages of Malaria Parasites. ChemMedChem, 2016, 11, 2194-2204.	3.2	23
84	Unanticipated Stereoselectivity in the Reaction of Primaquine Î±-Aminoamides with Substituted Benzaldehydes:â€‰ A Computational and Experimental Study. Journal of Organic Chemistry, 2007, 72, 4189-4197.	3.2	22
85	Bis-alkylamine quindolone derivatives as new antimalarial leads. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 5634-5637.	2.2	22
86	Four-Component Assembly of Chiral Nâ€“B Heterocycles with a Natural Product-Like Framework. Organic Letters, 2012, 14, 988-991.	4.6	22
87	A new direct synthesis of tertiary N-acyloxymethylamide prodrugs of carboxylic acid drugs. Tetrahedron Letters, 1994, 35, 7107-7110.	1.4	21
88	Squaric acid/4-aminoquinoline conjugates: Novel potent antiplasmodial agents. European Journal of Medicinal Chemistry, 2013, 69, 365-372.	5.5	21
89	Synthetic Condensed 1,4-naphthoquinone Derivative Shifts Neural Stem Cell Differentiation by Regulating Redox State. Molecular Neurobiology, 2013, 47, 313-324.	4.0	21
90	Quinolin-4(1H)-imines are Potent Antiplasmodial Drugs Targeting the Liver Stage of Malaria. Journal of Medicinal Chemistry, 2013, 56, 4811-4815.	6.4	21

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91	Acyloxymethyl as a drug protecting group. Kinetics and mechanism of the hydrolysis of N-acyloxymethylbenzamides. Journal of the Chemical Society Perkin Transactions II, 1991, , 563.	0.9	20
92	Bis-alkylamine Indolo[3,2-b]quinolines as Hemozoin Ligands: Implications for Antimalarial Cytostatic and Cytocidal Activities. Journal of Medicinal Chemistry, 2014, 57, 3295-3313.	6.4	20
93	Acyloxymethyl as a drug protecting group. Part 6. Bioorganic and Medicinal Chemistry, 2000, 8, 707-716.	3.0	19
94	Azaaurones as Potent Antimycobacterial Agents Active against MDRâ€•and XDRâ€TB. ChemMedChem, 2019, 14, 1537-1546.	3.2	19
95	The efficiency of C-4 substituents in activating the Î²-lactam scaffold towards serine proteases and hydroxide ion. Organic and Biomolecular Chemistry, 2007, 5, 2617.	2.8	18
96	Dipeptide Derivatives of AZT: Synthesis, Chemical Stability, Activation in Human Plasma, hPEPT1 Affinity, and Antiviral Activity. ChemMedChem, 2008, 3, 970-978.	3.2	18
97	Dopamine- and tyramine-based derivatives of triazenes: Activation by tyrosinase and implications for prodrug design. European Journal of Medicinal Chemistry, 2009, 44, 3228-3234.	5.5	18
98	Novel anti-Plasmodial hits identified by virtual screening of the ZINC database. Journal of Computer-Aided Molecular Design, 2013, 27, 859-871.	2.9	18
99	Acyloxymethyl as a drug protecting group. Part 3. Tertiary O-amidomethyl esters of penicillin G: chemical hydrolysis and anti-bacterial activity. Pharmaceutical Research, 1996, 13, 70-75.	3.5	17
100	Synthesis, Stability and In Vitro Dermal Evaluation of Aminocarbonyloxymethyl Esters as Prodrugs of Carboxylic Acid Agents. Bioorganic and Medicinal Chemistry, 2002, 10, 809-816.	3.0	17
101	Kinetics and Mechanism of Hydrolysis ofN-Acyloxymethyl Derivatives of Azetidin-2-one. Journal of Organic Chemistry, 2004, 69, 3359-3367.	3.2	17
102	Aminocarbonyloxymethyl Ester Prodrugs of Flufenamic Acid and Diclofenac: Suppressing the Rearrangement Pathway in Aqueous Media. Archiv Der Pharmazie, 2007, 340, 32-40.	4.1	17
103	Anti-tumoral activity of imidazoquines, a new class of antimalarials derived from primaquine. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6914-6917.	2.2	17
104	Novel squaramides with in vitro liver stage antiplasmodial activity. Bioorganic and Medicinal Chemistry, 2016, 24, 1786-1792.	3.0	17
105	A quantum mechanical study of novel potential inhibitors of cytochrome bc₁ as antimalarial compounds. International Journal of Quantum Chemistry, 2011, 111, 1196-1207.	2.0	16
106	Analytical profiles of â€œlegal highsâ€•containing cathinones available in the area of Lisbon, Portugal. Forensic Science International, 2014, 244, 102-110.	2.2	16
107	Targeting Gliomas: Can a New Alkylating Hybrid Compound Make a Difference?. ACS Chemical Neuroscience, 2017, 8, 50-59.	3.5	16
108	Targeting leucine-rich repeat kinase 2 (LRRK2) for the treatment of Parkinson's disease. Future Medicinal Chemistry, 2019, 11, 1953-1977.	2.3	16

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109	Structure based virtual screening for discovery of novel human neutrophil elastase inhibitors. MedChemComm, 2012, 3, 1299.	3.4	15
110	N10,N11-di-alkylamine indolo[3,2-b]quinolines as hemozoin inhibitors: Design, synthesis and antiplasmodial activity. Bioorganic and Medicinal Chemistry, 2015, 23, 1530-1539.	3.0	15
111	Structural Optimization of Quinolon-4(1H)-imines as Dual-Stage Antimalarials: Toward Increased Potency and Metabolic Stability. Journal of Medicinal Chemistry, 2013, 56, 7679-7690.	6.4	14
112	Antitrypanosomal and cysteine protease inhibitory activities of alkyldiamine cryptolepine derivatives. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 6256-6260.	2.2	13
113	Flavones as isosteres of 4(1H)-quinolones: Discovery of ligand efficient and dual stage antimalarial lead compounds. European Journal of Medicinal Chemistry, 2013, 69, 872-880.	5.5	13
114	Phenotypic high-throughput screening platform identifies novel chemotypes for necroptosis inhibition. Cell Death Discovery, 2020, 6, 6.	4.7	13
115	Amino acids as selective acylating agents: regioselective N1-acylation of imidazolidin-4-one derivatives of the antimalarial drug primaquine. Tetrahedron, 2008, 64, 11144-11149.	1.9	12
116	N-Acyl and N-sulfonyloxazolidine-2,4-diones are pseudo-irreversible inhibitors of serine proteases. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 3993-3997.	2.2	12
117	Kinetics and mechanism of hydrolysis of N-amidomethylsulfonamides. Perkin Transactions II RSC, 2001, , 749-753.	1.1	11
118	Amino acids as selective sulfonamide acylating agents. Tetrahedron, 2003, 59, 7473-7480.	1.9	11
119	Alkylating Agents. , 0, , 133-158.		11
120	Exploring the Molecular Basis of Q_obc₁ Complex Inhibitors Activity to Find Novel Antimalarials Hits. Molecular Informatics, 2013, 32, 659-670.	2.5	11
121	3-Oxo-Î²-sultam as a Sulfonylating Chemotype for Inhibition of Serine Hydrolases and Activity-Based Protein Profiling. ACS Chemical Biology, 2020, 15, 878-883.	3.4	11
122	Indole-Containing Pyrazino[2,1-b]quinazoline-3,6-diones Active against Plasmodium and Trypanosomatids. ACS Medicinal Chemistry Letters, 2022, 13, 225-235.	2.8	11
123	Acyloxymethyl as a drug protecting group. Part 5.1 Kinetics and mechanism of the hydrolysis of tertiary N-acyloxymethylsulfonamides. Journal of the Chemical Society Perkin Transactions II, 1999, , 431-440.	0.9	10
124	Characterization of primaquine imidazolidin-4-ones with antimalarial activity by electrospray ionization-ion trap mass spectrometry. International Journal of Mass Spectrometry, 2008, 270, 81-93.	1.5	10
125	Naphtho[2,3-d]isoxazole-4,9-dione-3-carboxylates: Potent, non-cytotoxic, antiapoptotic agents. Chemico-Biological Interactions, 2009, 180, 175-182.	4.0	10
126	Identification of new antimalarial leads by use of virtual screening against cytochrome bc1. Bioorganic and Medicinal Chemistry, 2011, 19, 6302-6308.	3.0	10

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127	Targeting the Erythrocytic and Liver Stages of Malaria Parasites with sâ€Triazineâ€Based Hybrids. ChemMedChem, 2015, 10, 883-890.	3.2	10
128	Improved Synthesis of Amino Acid and Dipeptide Chloromethyl Esters Using Bromochloromethane. Synthetic Communications, 2003, 33, 1683-1693.	2.1	9
129	The Bsmoc group as a novel scaffold for the design of irreversible inhibitors of cysteine proteases. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 2738-2741.	2.2	9
130	Effect of Synthesized Inhibitors on Babesipain-1, a New Cysteine Protease from the Bovine Piroplasm Babesia Bigemina. Transboundary and Emerging Diseases, 2010, 57, 68-69.	3.0	9
131	Synthesis, stability, biochemical and pharmacokinetic properties of a new potent and selective 4-oxo-Î²-lactam inhibitor of human leukocyte elastase. Journal of Enzyme Inhibition and Medicinal Chemistry, 2011, 26, 169-175.	5.2	9
132	Addressing Latent Tuberculosis: New Advances in Mimicking the Disease, Discovering Key Targets, and Designing Hit Compounds. International Journal of Molecular Sciences, 2020, 21, 8854.	4.1	9
133	Augmenting Adaptive Machine Learning with Kinetic Modeling for Reaction Optimization. Journal of Organic Chemistry, 2021, 86, 14192-14198.	3.2	9
134	Triazene drug metabolites. Part 4. Kinetics and mechanism of the decomposition of 1-aryl-3-benzoyloxymethyl-3-methyltriazenes in mixed aqueousâ€“organic solvents. Journal of the Chemical Society Perkin Transactions II, 1987, , 1503-1508.	0.9	8
135	Electrospray ionization-ion trap mass spectrometry study of PQAAPro and PQProAA mimetic derivatives of the antimalarial primaquine. Journal of the American Society for Mass Spectrometry, 2008, 19, 1476-1490.	2.8	8
136	Characterizing the Dynamics and Ligand-Specific Interactions in the Human Leukocyte Elastase through Molecular Dynamics Simulations. Journal of Chemical Information and Modeling, 2011, 51, 1690-1702.	5.4	8
137	Activity-based probes as molecular tools for biomarker discovery. MedChemComm, 2015, 6, 536-546.	3.4	8
138	Discovery of a Necroptosis Inhibitor Improving Dopaminergic Neuronal Loss after MPTP Exposure in Mice. International Journal of Molecular Sciences, 2021, 22, 5289.	4.1	8
139	Acyloxymethyl as a drug protecting group. Synthesis and reactivity of N-acyloxymethylsulfonamide prodrugs. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 937-940.	2.2	7
140	Phthalimidomethyl as a drug Pro-moiety. Probing its reactivity. Bioorganic and Medicinal Chemistry Letters, 1998, 8, 955-958.	2.2	7
141	Cleavage of tertiary amidomethyl ester prodrugs of carboxylic acids by rat liver homogenates. European Journal of Pharmaceutical Sciences, 1999, 9, 201-205.	4.0	7
142	Stabilization of porcine pancreatic elastase crystals by glutaraldehyde cross-linking. Acta Crystallographica Section F, Structural Biology Communications, 2015, 71, 1346-1351.	0.8	7
143	Metabolism of N-ethylhexedrone and buphedrone: An in vivo study in mice using HPLC-MS/MS. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2020, 1159, 122340.	2.3	7
144	Half-Sandwich Cyclopentadienylruthenium(II) Complexes: A New Antimalarial Chemotype. Inorganic Chemistry, 2020, 59, 12722-12732.	4.0	7

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145	Synthesis of S-cysteinyl, S(N-acetylcysteinyl) and S-glutathionyl conjugates op N-hydroxymethyltriazenes. Tetrahedron Letters, 1988, 29, 2707-2710.	1.4	6
146	Triazene drug metabolites. Part 10. Metal-ion catalysed decomposition of monoalkyltriazenes in ethanol solutions. Journal of the Chemical Society Perkin Transactions II, 1991, , 81.	0.9	6
147	Targeting gliomas with triazene-based hybrids: Structure-activity relationship, mechanistic study and stability. European Journal of Medicinal Chemistry, 2019, 172, 16-25.	5.5	6
148	Designer Cathinones N-Ethylhexedrone and Buphedrone Show Different In Vitro Neurotoxicity and Mice Behaviour Impairment. Neurotoxicity Research, 2021, 39, 392-412.	2.7	6
149	Triazene drug metabolites. Part 11. Synthesis of S-cysteinyl and related derivatives of N-hydroxymethyltriazenes. Journal of the Chemical Society Perkin Transactions 1, 1991, , 3241.	0.9	5
150	Acyloxymethyl as a drug protecting group. Part 7: Tertiary sulfonamidomethyl ester prodrugs of benzylpenicillin: chemical hydrolysis and anti-bacterial activity. Bioorganic and Medicinal Chemistry, 2000, 8, 1629-1636.	3.0	5
151	Crystallization and Preliminary Diffraction Studies of Porcine Pancreatic Elastase in Complex with a Novel Inhibitor. Protein and Peptide Letters, 2007, 14, 93-95.	0.9	5
152	Electrospray Ionization Mass Spectrometry as a Valuable Tool in the Characterization of Novel Primaquine Peptidomimetic Derivatives. European Journal of Mass Spectrometry, 2009, 15, 627-640.	1.0	5
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