Mark Cushman

List of Publications by Year
in descending order

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145 papers	6,912 citations	44042 48 h-index	74108 75 g-index
145 all docs	145 docs citations	145 times ranked	5869 citing authors

#	Article	IF	Citations
1	Structures of Three Classes of Anticancer Agents Bound to the Human Topoisomerase Iâ˜'DNA Covalent Complex. Journal of Medicinal Chemistry, 2005, 48, 2336-2345.	2.9	447
2	Selective Synthesis and Biological Evaluation of Sulfate-Conjugated Resveratrol Metabolites. Journal of Medicinal Chemistry, 2010, 53, 5033-5043.	2.9	178
3	Protein-Linked DNA Strand Breaks Induced by NSC 314622, a Novel Noncamptothecin Topoisomerase I Poison. Molecular Pharmacology, 1998, 54, 50-58.	1.0	159
4	Synthesis of New Indeno[1,2-c]isoquinolines:â€‰ Cytotoxic Non-Camptothecin Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2000, 43, 3688-3698.	2.9	154
5	A novel norindenoisoquinoline structure reveals a common interfacial inhibitor paradigm for ternary trapping of the topoisomerase I-DNA covalent complex. Molecular Cancer Therapeutics, 2006, 5, 287-295.	1.9	154
6	The indenoisoquinoline noncamptothecin topoisomerase I inhibitors: update and perspectives. Molecular Cancer Therapeutics, 2009, 8, 1008-1014.	1.9	144
7	Design, Synthesis, and Biological Evaluation of Indenoisoquinoline Topoisomerase I Inhibitors Featuring Polyamine Side Chains on the Lactam Nitrogen. Journal of Medicinal Chemistry, 2003, 46, 5712-5724.	2.9	123
8	Synthesis of Cytotoxic Indenoisoquinoline Topoisomerase I Poisons. Journal of Medicinal Chemistry, 1999, 42, 446-457.	2.9	122
9	Synthesis and Anticancer Activity of Simplified Indenoisoquinoline Topoisomerase I Inhibitors Lacking Substituents on the Aromatic Rings. Journal of Medicinal Chemistry, 2004, 47, 5651-5661.	2.9	119
10	Novel Indenoisoquinolines NSC 725776 and NSC 724998 Produce Persistent Topoisomerase I Cleavage Complexes and Overcome Multidrug Resistance. Cancer Research, 2007, 67, 10397-10405.	0.4	118
11	Synthesis and Mechanism of Action Studies of a Series of Norindenoisoquinoline Topoisomerase I Poisons Reveal an Inhibitor with a Flipped Orientation in the Ternary DNAâ˜'Enzymeâ˜'Inhibitor Complex As Determined by X-ray Crystallographic Analysis. Journal of Medicinal Chemistry, 2005, 48, 4803-4814.	2.9	102
12	Optimization of the Indenone Ring of Indenoisoquinoline Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2007, 50, 4388-4404.	2.9	100
13	Design, Synthesis, and Biological Evaluation of Antiviral Agents Targeting Flavivirus Envelope Proteins. Journal of Medicinal Chemistry, 2008, 51, 4660-4671.	2.9	99
14	Synthesis of New Dihydroindeno[1,2-c]isoquinoline and Indenoisoquinolinium Chloride Topoisomerase I Inhibitors Having High in Vivo Anticancer Activity in the Hollow Fiber Animal Model. Journal of Medicinal Chemistry, 2002, 45, 242-249.	2.9	94
15	Discovery and Characterization of Potent Thiazoles versus Methicillin- and Vancomycin-Resistant Staphylococcus aureus. Journal of Medicinal Chemistry, 2014, 57, 1609-1615.	2.9	91
16	Synthesis and Evaluation of Indenoisoquinoline Topoisomerase I Inhibitors Substituted with Nitrogen Heterocycles. Journal of Medicinal Chemistry, 2006, 49, 6283-6289.	2.9	89
17	Total synthesis of nitidine chloride. Journal of Organic Chemistry, 1978, 43, 286-288.	1.7	88
18	Design, Synthesis, and Biological Evaluation of Cytotoxic 11-Alkenylindenoisoquinoline Topoisomerase I Inhibitors and Indenoisoquinolineâ˜'Camptothecin Hybrids. Journal of Medicinal Chemistry, 2003, 46, 3275-3282.	2.9	88

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19	Differential induction of topoisomerase I-DNA cleavage complexes by the indenoisoquinoline MJ-III-65 (NSC 706744) and camptothecin: base sequence analysis and activity against camptothecin-resistant topoisomerases I. Cancer Research, 2003, 63, 7428-35.	0.4	88
20	Synthesis and Biological Evaluation of the First Dual Tyrosyl-DNA Phosphodiesterase I (Tdp1)â€“Topoisomerase I (Top1) Inhibitors. Journal of Medicinal Chemistry, 2012, 55, 4457-4478.	2.9	85
21	Synthesis and Biological Evaluation of (Â±)-Abyssinone II and Its Analogues as Aromatase Inhibitors for Chemoprevention of Breast Cancer. Journal of Medicinal Chemistry, 2007, 50, 2799-2806.	2.9	84
22	Synthesis of Analogs of 2-Methoxyestradiol with Enhanced Inhibitory Effects on Tubulin Polymerization and Cancer Cell Growth. Journal of Medicinal Chemistry, 1997, 40, 2323-2334.	2.9	83
23	Synthesis and biological activity of structural analogs of the anticancer benzophenanthridine alkaloid nitidine chloride. Journal of Medicinal Chemistry, 1984, 27, 544-547.	2.9	79
24	Design, synthesis, and biological evaluation of resveratrol analogues as aromatase and quinone reductase 2 inhibitors for chemoprevention of cancer. Bioorganic and Medicinal Chemistry, 2010, 18, 5352-5366.	1.4	79
25	Synthesis and anti-HIV activity of new alkenyldiarylmethane (ADAM) non-nucleoside reverse transcriptase inhibitors (NNRTIs) incorporating benzoxazolone and benzisoxazole rings. Bioorganic and Medicinal Chemistry, 2006, 14, 2366-2374.	1.4	78
26	Total synthesis of (.+-.)-chelidonine. Journal of Organic Chemistry, 1980, 45, 5067-5073.	1.7	75
27	Synthesis and antibacterial evaluation of a novel series of synthetic phenylthiazole compounds against methicillin-resistant Staphylococcus aureus (MRSA). European Journal of Medicinal Chemistry, 2015, 94, 306-316.	2.6	75
28	On the Binding of Indeno[1,2-c]isoquinolines in the DNAâ^'Topoisomerase I Cleavage Complex. Journal of Medicinal Chemistry, 2005, 48, 3231-3238.	2.9	74
29	Anti-biofilm activity and synergism of novel thiazole compounds with glycopeptide antibiotics against multidrug-resistant Staphylococci. Journal of Antibiotics, 2015, 68, 259-266.	1.0	73
30	Stereoselective oxidation by thionyl chloride leading to the indeno[1,2-c]isoquinoline system. Journal of Organic Chemistry, 1978, 43, 3781-3783.	1.7	72
31	Potential Chemopreventive Agents Based on the Structure of the Lead Compound 2-Bromo-1-hydroxyphenazine, Isolated from Streptomyces Species, Strain CNS284. Journal of Medicinal Chemistry, 2010, 53, 8688-8699.	2.9	69
32	A Systematic Study of Nitrated Indenoisoquinolines Reveals a Potent Topoisomerase I Inhibitor. Journal of Medicinal Chemistry, 2006, 49, 7740-7753.	2.9	68
33	Design, Synthesis, and Evaluation of Dibenzo[c,h][1,6]naphthyridines as Topoisomerase I Inhibitors and Potential Anticancer Agents. Journal of Medicinal Chemistry, 2010, 53, 8716-8726.	2.9	67
34	Indenoisoquinoline Topoisomerase Inhibitors Strongly Bind and Stabilize the MYC Promoter G-Quadruplex and Downregulate MYC. Journal of the American Chemical Society, 2019, 141, 11059-11070.	6.6	66
35	Cellular Topoisomerase I Inhibition and Antiproliferative Activity by MJ-III-65 (NSC 706744), an Indenoisoquinoline Topoisomerase I Poison. Molecular Pharmacology, 2005, 67, 523-530.	1.0	65
36	An Ab Initio Quantum Mechanics Calculation that Correlates with Ligand Orientation and DNA Cleavage Site Selectivity in Camptothecinâ^'DNAâ^'Topoisomerase I Ternary Cleavage Complexes. Journal of the American Chemical Society, 2005, 127, 9960-9961.	6.6	65

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37	Synthesis and Biological Evaluation of Indenoisoquinolines That Inhibit Both Tyrosyl-DNA Phosphodiesterase I (Tdp1) and Topoisomerase I (Top1). Journal of Medicinal Chemistry, 2013, 56, 182-200.	2.9	65
38	Optimizing thiadiazole analogues of resveratrol versus three chemopreventive targets. Bioorganic and Medicinal Chemistry, 2012, 20, 510-520.	1.4	63
39	Nitrated Indenoisoquinolines as Topoisomerase I Inhibitors:â€‰ A Systematic Study and Optimization. Journal of Medicinal Chemistry, 2007, 50, 4419-4430.	2.9	62
40	Investigation of the Lactam Side Chain Length Necessary for Optimal Indenoisoquinoline Topoisomerase I Inhibition and Cytotoxicity in Human Cancer Cell Cultures. Journal of Medicinal Chemistry, 2007, 50, 2040-2048.	2.9	59
41	7-Azaindenoisoquinolines as Topoisomerase I Inhibitors and Potential Anticancer Agents. Journal of Medicinal Chemistry, 2011, 54, 6106-6116.	2.9	58
42	Synthesis and Biological Evaluation of New Carbohydrate-Substituted Indenoisoquinoline Topoisomerase I Inhibitors and Improved Syntheses of the Experimental Anticancer Agents Indotecan (LMP400) and Indimitecan (LMP776). Journal of Medicinal Chemistry, 2014, 57, 1495-1512.	2.9	58
43	Novel approach to the synthesis of nitrogen analogs of the tetrahydrocannabinols. Journal of Organic Chemistry, 1973, 38, 440-448.	1.7	57
44	The tamoxifen metabolite norendoxifen is a potent and selective inhibitor of aromatase (CYP19) and a potential lead compound for novel therapeutic agents. Breast Cancer Research and Treatment, 2012, 133, 99-109.	1.1	54
45	Design, Synthesis, and Evaluation of 9-d-Ribitylamino-1,3,7,9-tetrahydro-2,6,8-purinetriones Bearing Alkyl Phosphate and Î±,Î±-Difluorophosphonate Substituents as Inhibitors of Riboflavin Synthase and Lumazine Synthase. Journal of Organic Chemistry, 2004, 69, 601-612.	1.7	53
46	Design, synthesis, and biological evaluation of cytotoxic 11-aminoalkenylindenoisoquinoline and 11-diaminoalkenylindenoisoquinoline topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry, 2004, 12, 5147-5160.	1.4	52
47	Condensation of succinic anhydrides with Schiff bases. Scope and mechanism. Journal of Organic Chemistry, 1971, 36, 3404-3406.	1.7	50
48	Synthesis of nitrated indenoisoquinolines as topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3659-3663.	1.0	50
49	Antibacterial Characterization of Novel Synthetic Thiazole Compounds against Methicillin-Resistant Staphylococcus pseudintermedius. PLoS ONE, 2015, 10, e0130385.	1.1	50
50	Synthesis and Biological Evaluation of Nitrated 7-, 8-, 9-, and 10-Hydroxyindenoisoquinolines as Potential Dual Topoisomerase I (Top1)â€“Tyrosyl-DNA Phosphodiesterase I (TDP1) Inhibitors. Journal of Medicinal Chemistry, 2015, 58, 3188-3208.	2.9	50
51	Synthesis and Anti-HIV Activity of New Metabolically Stable Alkenyldiarylmethane Non-Nucleoside Reverse Transcriptase Inhibitors Incorporating N-Methoxy Imidoyl Halide and 1,2,4-Oxadiazole Systems. Journal of Medicinal Chemistry, 2007, 50, 3314-3321.	2.9	49
52	Synthesis and Biological Evaluation of Certain Alkenyldiarylmethanes as Anti-HIV-1 Agents Which Act as Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 1996, 39, 3217-3227.	2.9	48
53	Synthesis of benz[d]indeno[1,2-b]pyran-5,11-diones: Versatile intermediates for the design and synthesis of topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 1846-1849.	1.0	48
54	Discovery and Development of the Covalent Hydrates of Trifluoromethylated Pyrazoles as Riboflavin Synthase Inhibitors with Antibiotic Activity Against Mycobacterium tuberculosis. Journal of Organic Chemistry, 2009, 74, 5297-5303.	1.7	48

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55	Identification, Synthesis, and Biological Evaluation of Metabolites of the Experimental Cancer Treatment Drugs Indotecan (LMP400) and Indimitecan (LMP776) and Investigation of Isomerically Hydroxylated Indenoisoquinoline Analogues as Topoisomerase I Poisons. Journal of Medicinal Chemistry, 2012, 55, 10844-10862.	2.9	48
56	An investigation of phenylthiazole antiflaviviral agents. Bioorganic and Medicinal Chemistry, 2011, 19, 3845-3854.	1.4	47
57	Indotecan (LMP400) and AM13-55: Two Novel Indenoisoquinolines Show Potential for Treating Visceral Leishmaniasis. Antimicrobial Agents and Chemotherapy, 2012, 56, 5264-5270.	1.4	47
58	Design, Synthesis, and Evaluation of 6-Carboxyalkyl and 6-Phosphonoxyalkyl Derivatives of 7-Oxo-8-ribitylaminolumazines as Inhibitors of Riboflavin Synthase and Lumazine Synthase. Journal of Organic Chemistry, 2002, 67, 5807-5816.	1.7	46
59	Replacement of the Metabolically Labile Methyl Esters in the Alkenyldiarylmethane Series of Non-Nucleoside Reverse Transcriptase Inhibitors with Isoxazolone, Isoxazole, Oxazolone, or Cyano Substituents. Journal of Medicinal Chemistry, 2006, 49, 5316-5323.	2.9	45
60	Absolute configurations of the cis- and trans-13-methyltetrahydroprotoberberines. Total synthesis of (+)-thalictricavine, (+)-canadine, (.+-.)-, (-)-, and (+)-thalictrifoline, and (.+-.)-, (-)-, and (+)-cavidine. Journal of Organic Chemistry, 1981, 46, 4744-4750.	1.7	44
61	Synthesis of Mixed (E,Z)-, (E)-, and (Z)-Norendoxifen with Dual Aromatase Inhibitory and Estrogen Receptor Modulatory Activities. Journal of Medicinal Chemistry, 2013, 56, 4611-4618.	2.9	44
62	Design, Synthesis, and Biological Evaluation of Thiazoles Targeting Flavivirus Envelope Proteins. Journal of Medicinal Chemistry, 2011, 54, 1704-1714.	2.9	43
63	Synthesis and Biological Evaluation of the First Triple Inhibitors of Human Topoisomerase 1, Tyrosylâ€“DNA Phosphodiesterase 1 (Tdp1), and Tyrosylâ€“DNA Phosphodiesterase 2 (Tdp2). Journal of Medicinal Chemistry, 2017, 60, 3275-3288.	2.9	43
64	Alcohol-, Diol-, and Carbohydrate-Substituted Indenoisoquinolines as Topoisomerase I Inhibitors: Investigating the Relationships Involving Stereochemistry, Hydrogen Bonding, and Biological Activity. Journal of Medicinal Chemistry, 2011, 54, 4937-4953.	2.9	42
65	Design, Synthesis, and Biological Evaluation of Potential Prodrugs Related to the Experimental Anticancer Agent Indotecan (LMP400). Journal of Medicinal Chemistry, 2016, 59, 4890-4899.	2.9	42
66	DUPA Conjugation of a Cytotoxic Indenoisoquinoline Topoisomerase I Inhibitor for Selective Prostate Cancer Cell Targeting. Journal of Medicinal Chemistry, 2015, 58, 3094-3103.	2.9	41
67	The Effect of Exchanging Various Substituents at the 2-Position of 2-Methoxyestradiol on Cytotoxicity in Human Cancer Cell Cultures and Inhibition of Tubulin Polymerization. Journal of Medicinal Chemistry, 2002, 45, 4748-4754.	2.9	40
68	Discovery of Potent Indenoisoquinoline Topoisomerase I Poisons Lacking the 3-Nitro Toxicophore. Journal of Medicinal Chemistry, 2015, 58, 3997-4015.	2.9	40
69	Bisindenoisoquinoline Bis-1,3-{(5,6-dihydro-5,11-diketo-11H-indeno[1,2-c]isoquinoline)-6-propylamino}propane bis(trifluoroacetate) (NSC 727357), a DNA Intercalator and Topoisomerase Inhibitor with Antitumor Activity. Molecular Pharmacology, 2006, 70, 1109-1120.	1.0	38
70	Synthesis and Biological Evaluation of Bisindenoisoquinolines as Topoisomerase I Inhibitors. Journal of Medicinal Chemistry, 2006, 49, 5129-5140.	2.9	37
71	Optimization of the Lactam Side Chain of 7-Azaindenoisoquinoline Topoisomerase I Inhibitors and Mechanism of Action Studies in Cancer Cells. Journal of Medicinal Chemistry, 2014, 57, 1289-1298.	2.9	37
72	Antibacterial Evaluation of Synthetic Thiazole Compounds In Vitro and In Vivo in a Methicillin-Resistant Staphylococcus aureus (MRSA) Skin Infection Mouse Model. PLoS ONE, 2015, 10, e0142321.	1.1	37

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73	Synthesis of trans-3'-methylnicotine. Journal of Organic Chemistry, 1972, 37, 1268-1271.	1.7	36
74	The Biological Effects of Structural Variation at the Meta Position of the Aromatic Rings and at the End of the Alkenyl Chain in the Alkenyldiarylmethane Series of Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2001, 44, 4092-4113.	2.9	36
75	Investigation of the Structureâ€"Activity Relationships of Aza-A-Ring Indenoisoquinoline Topoisomerase I Poisons. Journal of Medicinal Chemistry, 2016, 59, 3840-3853.	2.9	35
76	Azaindenoisoquinolines as Topoisomerase I Inhibitors and Potential Anticancer Agents: A Systematic Study of Structureâ€"Activity Relationships. Journal of Medicinal Chemistry, 2012, 55, 1682-1697.	2.9	34
77	Design, Synthesis, Anti-HIV Activities, and Metabolic Stabilities of Alkenyldiarylmethane (ADAM) Non-nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2004, 47, 3149-3162.	2.9	33
78	Synthesis, Anti-HIV Activity, and Metabolic Stability of New Alkenyldiarylmethane HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors. Journal of Medicinal Chemistry, 2005, 48, 6140-6155.	2.9	33
79	Design and Synthesis of Norendoxifen Analogues with Dual Aromatase Inhibitory and Estrogen Receptor Modulatory Activities. Journal of Medicinal Chemistry, 2015, 58, 2623-2648.	2.9	33
80	Design, Synthesis, and Biochemical Evaluation of 1,5,6,7-Tetrahydro-6,7-dioxo-9-d-Ribitylaminolumazines Bearing Alkyl Phosphate Substituents as Inhibitors of Lumazine Synthase and Riboflavin Synthase. Journal of Organic Chemistry, 2005, 70, 8162-8170.	1.7	32
81	Synthesis of 3-(3-aryl-pyrrolidin-1-yl)-5-aryl-1,2,4-triazines that have antibacterial activity and also inhibit inorganic pyrophosphatase. Bioorganic and Medicinal Chemistry, 2014, 22, 406-418.	1.4	32
82	Design, Synthesis, and Biological Evaluation of O-2-Modified Indenoisoquinolines as Dual Topoisomerase Iâ€"Tyrosyl-DNA Phosphodiesterase I Inhibitors. Journal of Medicinal Chemistry, 2014, 57, 4324-4336.	2.9	32
83	Design, Synthesis, and Biological Evaluation of Homologous Phosphonic Acids and Sulfonic Acids as Inhibitors of Lumazine Synthase. Journal of Organic Chemistry, 1999, 64, 3838-3845.	1.7	31
84	Synthesis and Biological Evaluation of Alkenyldiarylmethane HIV-1 Non-Nucleoside Reverse Transcriptase Inhibitors That Possess Increased Hydrolytic Stability. Journal of Medicinal Chemistry, 2007, 50, 4854-4867.	2.9	31
85	Induction of Retinoid X Receptor Activity and Consequent Upregulation of p21WAF1/CIP1 by Indenoisoquinolines in MCF7 Cells. Cancer Prevention Research, 2011, 4, 592-607.	0.7	30
86	Novel Fluoroindenoisoquinoline Non-Camptothecin Topoisomerase I Inhibitors. Molecular Cancer Therapeutics, 2018, 17, 1694-1704.	1.9	30
87	Synthesis of pharmacologically active nitrogen analogs of the tetrahydrocannabinols. Journal of Organic Chemistry, 1974, 39, 1546-1550.	1.7	29
88	Synthesis and antitumor activity of structural analogs of the anticancer benzophenanthridine alkaloid fagaronine chloride. Journal of Medicinal Chemistry, 1985, 28, 1031-1036.	2.9	29
89	Design and Synthesis of Chlorinated and Fluorinated 7-Azaindenoisoquinolines as Potent Cytotoxic Anticancer Agents That Inhibit Topoisomerase I. Journal of Medicinal Chemistry, 2017, 60, 5364-5376.	2.9	29
90	Optimization of the aromatase inhibitory activities of pyridylthiazole analogues of resveratrol. Bioorganic and Medicinal Chemistry, 2012, 20, 2427-2434.	1.4	28

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91	Characterization and structure-activity relationships of indenoisoquinoline-derived topoisomerase I inhibitors in unsilencing the dormant Ube3a gene associated with Angelman syndrome. Molecular Autism, 2018, 9, 45.	2.6	28
92	Dihydroindenoisoquinolines function as prodrugs of indenoisoquinolines. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 2795-2798.	1.0	27
93	Domain structure of riboflavin synthase. FEBS Journal, 2001, 268, 4315-4323.	0.2	26
94	Optimization of thiazole analogues of resveratrol for induction of NAD(P)H:quinone reductase 1 (QR1). Bioorganic and Medicinal Chemistry, 2012, 20, 7030-7039.	1.4	26
95	Synthesis and Biochemical Evaluation of Bis(6,7-dimethyl-8-d-ribityllumazines) as Potential Bisubstrate Analogue Inhibitors of Riboflavin Synthase. Journal of Organic Chemistry, 1999, 64, 4635-4642.	1.7	24
96	A Resveratrol Analogue Promotes ERK^{MAPK}â€“Dependent Stat3 Serine and Tyrosine Phosphorylation Alterations and Antitumor Effects In Vitro against Human Tumor Cells. Molecular Pharmacology, 2015, 88, 524-533.	1.0	24
97	Synthesis of Benzo[1,6]naphthyridinones Using the Catellani Reaction. Organic Letters, 2018, 20, 5228-5232.	2.4	24
98	Incorporation of an Amide into 5-Phosphonoalkyl-6-d-ribitylaminopyrimidinedione Lumazine Synthase Inhibitors Results in an Unexpected Reversal of Selectivity for Riboflavin Synthase vs Lumazine Synthase. Journal of Organic Chemistry, 2002, 67, 6871-6877.	1.7	23
99	Synthesis of Triphenylethylene Bisphenols as Aromatase Inhibitors That Also Modulate Estrogen Receptors. Journal of Medicinal Chemistry, 2016, 59, 157-170.	2.9	23
100	Identification, Synthesis, and Biological Evaluation of the Metabolites of 3-Amino-6-(3â€²-aminopropyl)-5H-indeno[1,2-c]isoquinoline-5,11-(6H)dione (AM6â€“36), a Promising Rexinoid Lead Compound for the Development of Cancer Chemotherapeutic and Chemopreventive Agents. Journal of Medicinal Chemistry, 2012, 55, 5965-5981.	2.9	22
101	Dibenzo[c,h][1,5]naphthyridinediones as Topoisomerase I Inhibitors: Design, Synthesis, and Biological Evaluation. Journal of Organic Chemistry, 2012, 77, 5167-5172.	1.7	22
102	Design, Synthesis, and Biological Evaluation of Indenoisoquinoline Rexinoids with Chemopreventive Potential. Journal of Medicinal Chemistry, 2013, 56, 2581-2605.	2.9	22
103	Synthesis and biological evaluation of new fluorinated and chlorinated indenoisoquinoline topoisomerase I poisons. Bioorganic and Medicinal Chemistry, 2016, 24, 1469-1479.	1.4	22
104	Effect of E-Ring Modifications in Camptothecin on Topoisomerase I Inhibition:Â A Quantum Mechanics Treatment. Journal of Organic Chemistry, 2005, 70, 9584-9587.	1.7	21
105	The Binding Orientation of a Norindenoisoquinoline in the Topoisomerase Iâ”DNA Cleavage Complex Is Primarily Governed by Ï€â”Ï€ Stacking Interactions. Journal of Physical Chemistry B, 2008, 112, 9484-9489.	1.2	21
106	An unexpected synthesis of 3,5-diaryl-1,2,4-thiadiazoles from thiobenzamides and methyl bromocyanoacetate. Tetrahedron Letters, 2011, 52, 4941-4943.	0.7	21
107	Discovery of efficient stimulators for adult hippocampal neurogenesis based on scaffolds in dragon's blood. European Journal of Medicinal Chemistry, 2017, 136, 382-392.	2.6	21
108	Activity of Indenoisoquinolines against African Trypanosomes. Antimicrobial Agents and Chemotherapy, 2009, 53, 123-128.	1.4	20

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109	Evaluation of indenoisoquinoline topoisomerase I inhibitors using a hollow fiber assay. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 4395-4399.	1.0	19
110	Novel clinical indenoisoquinoline topoisomerase I inhibitors: a twist around the camptothecins. Oncotarget, 2018, 9, 37286-37288.	0.8	19
111	Design, synthesis and structure-activity relationships of novel 15-membered macrolides: Quinolone/quinoline-containing sidechains tethered to the C-6 position of azithromycin acylides. European Journal of Medicinal Chemistry, 2020, 193, 112222.	2.6	18
112	On the mechanism of conversion of 4-carboxy-3,4-dihydro-3-phenyl-1(2H)-isoquinolones to indeno[1,2-c]isoquinolines by thionyl chloride. Tetrahedron, 2006, 62, 9705-9712.	1.0	17
113	Synthesis and antibacterial activity of 9-oxime ether non-ketolides, and novel binding mode of alkylides with bacterial rRNA. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 1387-1393.	1.0	17
114	A new Suzuki synthesis of triphenylethylenes that inhibit aromatase and bind to estrogen receptors Î± and Î². Bioorganic and Medicinal Chemistry, 2016, 24, 5400-5409.	1.4	16
115	A Facile Method To Transformtrans-4-Carboxy-3,4-dihydro-3-phenyl- 1(2H)-isoquinolones to Indeno[1,2-c]isoquinolines. Journal of Organic Chemistry, 2005, 70, 6496-6498.	1.7	15
116	Inhibition of Cytochrome P450 Enzymes by the E- and Z-Isomers of Norendoxifen. Drug Metabolism and Disposition, 2013, 41, 1715-1720.	1.7	15
117	Synthesis, antibacterial activity and docking of 14-membered 9-O-(3-arylalkyl) oxime 11,12-cyclic carbonate ketolides. European Journal of Medicinal Chemistry, 2013, 59, 54-63.	2.6	14
118	Application of Sequential Palladium Catalysis for the Discovery of Janus Kinase Inhibitors in the Benzo[c]pyrrolo[2,3-h][1,6]naphthyridin-5-one (BPN) Series. Journal of Medicinal Chemistry, 2018, 61, 10440-10462.	2.9	14
119	An Optimized Synthesis of 2-Methoxyestradiol, A Naturally Occurring Human Metabolite with Anticancer Activity. Synthetic Communications, 1998, 28, 4431-4437.	1.1	13
120	Novel Autoxidative Cleavage Reaction of 9-Fluoredenes Discovered during Synthesis of a Potential DNA-Threading Indenoisoquinoline. Journal of Organic Chemistry, 2004, 69, 7495-7501.	1.7	13
121	Design and Synthesis of Indenoisoquinolines Targeting Topoisomerase I and Other Biological Macromolecules for Cancer Chemotherapy. Journal of Medicinal Chemistry, 2021, 64, 17572-17600.	2.9	13
122	Synthesis and structureâ€“activity relationships of novel 9-oxime acylides with improved bactericidal activity. Bioorganic and Medicinal Chemistry, 2015, 23, 6437-6453.	1.4	12
123	Cancer chemopreventive potential of aromathecins and phenazines, novel natural product derivatives. Anticancer Research, 2010, 30, 4873-82.	0.5	12
124	Synthesis of [Î²â€(4â€pyridylâ€1â€oxide)â€Lâ€alanine⁴]â€angiotensin I as a potential suicide substrate for proteinâ€tyrosine kinases. International Journal of Peptide and Protein Research, 1990, 36, 538-543.	0.1	11
125	Crystallographic Study of a Novel Subnanomolar Inhibitor Provides Insight on the Binding Interactions of Alkenyldiarylmethanes with Human Immunodeficiency Virus-1 Reverse Transcriptase. Journal of Medicinal Chemistry, 2009, 52, 6467-6473.	2.9	11
126	Design, synthesis and structure-activity relationships of novel macrolones: Hybrids of 2-fluoro 9-oxime ketolides and carbamoyl quinolones with highly improved activity against resistant pathogens. European Journal of Medicinal Chemistry, 2019, 169, 1-20.	2.6	11

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127	Synthesis, Crystal Structure, and Conversion of the Polycyclic Trisâ€Anhydrotetramer of Oâ€Aminobenzaldehyde to Cu(TAAB)2+. Synthetic Communications, 2004, 34, 3901-3907.	1.1	10
128	Structure elucidation by synthesis of four metabolites of the antitumor drug ENMD-1198 detected in human plasma samples. Tetrahedron, 2009, 65, 10535-10543.	1.0	10
129	Design, synthesis and structure-bactericidal activity relationships of novel 9-oxime ketolides and reductive epimers of acylides. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1513-1524.	1.0	10
130	Ligand-free, palladacycle-facilitated Suzuki coupling of hindered 2-arylbenzothiazole derivatives yields potent and selective COX-2 inhibitors. Organic and Biomolecular Chemistry, 2018, 16, 108-118.	1.5	9
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