Youngjoo Kwon

List of Publications by Year in descending order

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166	4,895	117625	144013
papers	citations	34 h-index	57 g-index

171	171	171	6910
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Bacterial-Derived Uracil as a Modulator of Mucosal Immunity and Gut-Microbe Homeostasis in Drosophila. Cell, 2013, 153, 797-811.	28.9	300
2	A Small Molecule That Blocks Fat Synthesis By Inhibiting the Activation of SREBP. Chemistry and Biology, 2009, 16, 882-892.	6.0	217
3	Anthocyanin-Rich Extracts Inhibit Multiple Biomarkers of Colon Cancer in Rats. Nutrition and Cancer, 2006, 54, 84-93.	2.0	214
4	Recent therapeutic trends and promising targets in triple negative breast cancer. , 2019, 199, 30-57.		164
5	Causes of hyperhomocysteinemia and its pathological significance. Archives of Pharmacal Research, 2018, 41, 372-383.	6.3	163
6	Polyproline-Rod Approach to Isolating Protein Targets of Bioactive Small Molecules:Â Isolation of a New Target of Indomethacin. Journal of the American Chemical Society, 2007, 129, 873-880.	13.7	125
7	Novel N-4-piperazinyl-ciprofloxacin-chalcone hybrids: Synthesis, physicochemical properties, anticancer and topoisomerase I and II inhibitory activity. European Journal of Medicinal Chemistry, 2013, 69, 427-438.	5.5	101
8	A Series of Novel Terpyridine-Skeleton Molecule Derivants Inhibit Tumor Growth and Metastasis by Targeting Topoisomerases. Journal of Medicinal Chemistry, 2015, 58, 1100-1122.	6.4	93
9	Small Molecule Transcription Factor Mimic. Journal of the American Chemical Society, 2004, 126, 15940-15941.	13.7	89
10	Synthesis, topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship study of hydroxylated 2,4-diphenyl-6-aryl pyridines. Bioorganic and Medicinal Chemistry, 2010, 18, 3066-3077.	3.0	88
11	Mutations in SOHLH1 gene associate with nonobstructive Azoospermia. Human Mutation, 2010, 31, 788-793.	2.5	81
12	Dihydroxylated 2,4,6-triphenyl pyridines: Synthesis, topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship study. European Journal of Medicinal Chemistry, 2012, 49, 219-228.	5.5	70
13	Synthesis of new xanthone analogues and their biological activity testâ€”Cytotoxicity, topoisomerase II inhibition, and DNA cross-linking study. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1163-1166.	2.2	69
14	Mechanism-based management for mucositis: option for treating side effects without compromising the efficacy of cancer therapy. OncoTargets and Therapy, 2016, 9, 2007.	2.0	69
15	First Synthesis of 4â€˜-Selenonucleosides Showing Unusual Southern Conformation. Organic Letters, 2008, 10, 209-212.	4.6	67
16	Luteolin as a potential preventive and therapeutic candidate for Alzheimer's disease. Experimental Gerontology, 2017, 95, 39-43.	2.8	65
17	2-Thienyl-4-furyl-6-aryl pyridine derivatives: Synthesis, topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship study. Bioorganic and Medicinal Chemistry, 2010, 18, 377-386.	3.0	60
18	A Wrench-Shaped Synthetic Molecule that Modulates a Transcription Factorâ€”Coactivator Interaction. Journal of the American Chemical Society, 2004, 126, 3461-3471.	13.7	58

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19	Design, synthesis, and antitumor evaluation of 2,4,6-triaryl pyridines containing chlorophenyl and phenolic moiety. European Journal of Medicinal Chemistry, 2012, 52, 123-136.	5.5	58
20	Effective inhibition of c-MET-mediated signaling, growth and migration of ovarian cancer cells is influenced by the ovarian tissue microenvironment. Oncogene, 2015, 34, 144-153.	5.9	57
21	Synthesis of 2,4-diaryl chromenopyridines and evaluation of their topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship. European Journal of Medicinal Chemistry, 2011, 46, 3201-3209.	5.5	50
22	Synthesis, biological evaluation, and molecular docking study of 3-(3â€²-heteroatom) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td (sub European Journal of Medicinal Chemistry, 2011, 46, 1964-1971.	5.5	49
23	Design, docking, and synthesis of novel indeno[1,2-c]isoquinolines for the development of antitumor agents as topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 3531-3534.	2.2	48
24	New insight for fluoroquinophenoxazine derivatives as possibly new potent topoisomerase I inhibitor. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1520-1524.	2.2	48
25	Ovarian normal and tumor-associated fibroblasts retain in vivo stromal characteristics in a 3-D matrix-dependent manner. Gynecologic Oncology, 2008, 110, 99-109.	1.4	46
26	2,6-Dithienyl-4-furyl pyridines: Synthesis, topoisomerase I and II inhibition, cytotoxicity, structureâ€“activity relationship, and docking study. Bioorganic and Medicinal Chemistry Letters, 2010, 20, 42-47.	2.2	45
27	Synthesis of benzo-annulated tryptanthrins and their biological properties. Bioorganic and Medicinal Chemistry, 2012, 20, 4962-4967.	3.0	45
28	ImmunoâEResolving Ability of Resolvins, Protectins, and Maresins Derived from Omegaâ€3 Fatty Acids in Metabolic Syndrome. Molecular Nutrition and Food Research, 2020, 64, e1900824.	3.3	45
29	Chalcones, inhibitors for topoisomerase I and cathepsin B and L, as potential anti-cancer agents. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 3320-3324.	2.2	43
30	Molecular design, synthesis and docking study of benz[b]oxepines and 12-oxobenzo[c]phenanthridinones as topoisomerase 1 inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 2444-2447.	2.2	42
31	P-Glycoprotein Inhibitory Activity of Two Phenolic Compounds, (â^')-Syringaresinol and Tricin fromSasa borealis. Chemistry and Biodiversity, 2007, 4, 12-16.	2.1	41
32	Effect of conjugated linoleic acid, Î¼-calpain inhibitor, on pathogenesis of Alzheimer's disease. Biochimica Et Biophysica Acta - Molecular and Cell Biology of Lipids, 2013, 1831, 709-718.	2.4	39
33	Synthesis of 2-(thienyl-2-yl or -3-yl)-4-furyl-6-aryl pyridine derivatives and evaluation of their topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship. Bioorganic and Medicinal Chemistry, 2010, 18, 2245-2254.	3.0	38
34	Fluorescein Hydrazones as Novel Nonintercalative Topoisomerase Catalytic Inhibitors with Low DNA Toxicity. Journal of Medicinal Chemistry, 2014, 57, 9139-9151.	6.4	38
35	Convenient synthesis of indeno[1,2-c]isoquinolines as constrained forms of 3-arylisoquinolines and docking study of a topoisomerase I inhibitor into DNAâ€“topoisomerase I complex. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5763-5767.	2.2	36
36	Topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship study of dihydroxylated 2,6-diphenyl-4-aryl pyridines. Bioorganic and Medicinal Chemistry, 2015, 23, 3638-3654.	3.0	35

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37	Differential Expressions of Adhesive Molecules and Proteases Define Mechanisms of Ovarian Tumor Cell Matrix Penetration/Invasion. PLoS ONE, 2011, 6, e18872.	2.5	35
38	Evaluation of albumin structural modifications through cobalt-albumin binding (CAB) assay. Journal of Pharmaceutical and Biomedical Analysis, 2014, 91, 17-23.	2.8	33
39	Synthesis, antitumor activity, and structureâ€“activity relationship study of trihydroxylated 2,4,6-triphenyl pyridines as potent and selective topoisomerase II inhibitors. European Journal of Medicinal Chemistry, 2014, 84, 555-565.	5.5	32
40	Design, synthesis, topoisomerase I & II inhibitory activity, antiproliferative activity, and structureâ€“activity relationship study of pyrazoline derivatives: An ATP-competitive human topoisomerase IIÎ± catalytic inhibitor. Bioorganic and Medicinal Chemistry, 2016, 24, 1898-1908.	3.0	31
41	Bacterial Nucleoside Catabolism Controls Quorum Sensing and Commensal-to-Pathogen Transition in the Drosophila Gut. Cell Host and Microbe, 2020, 27, 345-357.e6.	11.0	31
42	Hydroxylated 2,4-diphenyl indenopyridine derivatives as a selective non-intercalative topoisomerase IIÎ± catalytic inhibitor. European Journal of Medicinal Chemistry, 2015, 90, 302-314.	5.5	30
43	Fluorescein hydrazones: A series of novel non-intercalative topoisomerase IIÎ± catalytic inhibitors induce G1 arrest and apoptosis in breast and colon cancer cells. European Journal of Medicinal Chemistry, 2017, 125, 49-67.	5.5	30
44	Oxiranylmethyloxy or thiiranylmethyloxy-azaxanthones and -acridone analogues as potential topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 6766-6769.	2.2	29
45	Discovery of dihydroxylated 2,4-diphenyl-6-thiophen-2-yl-pyridine as a non-intercalative DNA-binding topoisomerase II-specific catalytic inhibitor. European Journal of Medicinal Chemistry, 2014, 80, 428-438.	5.5	29
46	Benzo[b]tryptanthrin Inhibits MDR1, Topoisomerase Activity, and Reverses Adriamycin Resistance in Breast Cancer Cells. ChemMedChem, 2015, 10, 827-835.	3.2	29
47	Rational design, synthesis, and evaluation of novel 2,4-Chloro- and Hydroxy-Substituted diphenyl Benzofuro[3,2-b]Pyridines: Non-intercalative catalytic topoisomerase I and II dual inhibitor. European Journal of Medicinal Chemistry, 2017, 127, 318-333.	5.5	28
48	Sensitization of lung cancer cells by altered dimerization of HSP27. Oncotarget, 2017, 8, 105372-105382.	1.8	28
49	Inhibitors of P-Glycoprotein-Mediated Daunomycin Transport in Rat Liver Canalicular Membrane Vesicles. Journal of Pharmaceutical Sciences, 1996, 85, 935-939.	3.3	27
50	In vivo Imaging and Therapeutic Treatments in an Orthotopic Mouse Model of Ovarian Cancer. Journal of Visualized Experiments, 2010, , .	0.3	27
51	Neuroprotective effect of synthetic chalcone derivatives as competitive dual inhibitors against Î¼-calpain and cathepsin B through the downregulation of tau phosphorylation and insoluble AÎ² peptide formation. European Journal of Medicinal Chemistry, 2016, 121, 433-444.	5.5	26
52	Regulation of HGF and c-MET Interaction in Normal Ovary and Ovarian Cancer: Importance of Targeting c-MET and HGF Interaction. Reproductive Sciences, 2017, 24, 494-501.	2.5	26
53	sMEK1 inhibits endothelial cell proliferation by attenuating VEGFR-2-dependent-Akt/eNOS/HIF-1Î± signaling pathways. Oncotarget, 2015, 6, 31830-31843.	1.8	26
54	Curcumin as a cancer chemotherapy sensitizing agent. Journal of the Korean Society for Applied Biological Chemistry, 2014, 57, 273-280.	0.9	25

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55	Possible Beneficial Effects of N-Acetylcysteine for Treatment of Triple-Negative Breast Cancer. Antioxidants, 2021, 10, 169.	5.1	25
56	Modification of 3-arylisoquinolines into 3,4-diarylisoquinolines and assessment of their cytotoxicity and topoisomerase inhibition. European Journal of Medicinal Chemistry, 2015, 92, 583-607.	5.5	24
57	Synthesis and biological activity of 2,4-di-p-phenolyl-6-2-furanyl-pyridine as a potent topoisomerase II poison. European Journal of Medicinal Chemistry, 2015, 90, 360-378.	5.5	24
58	Synthesis and topoisomerases inhibitory activity of heteroaromatic chalcones. Bioorganic and Medicinal Chemistry, 2016, 24, 5921-5928.	3.0	24
59	Identification of 3-Acetyl-2-aminoquinolin-4-one as a Novel, Nonpeptidic Scaffold for Specific Calpain Inhibitory Activity. Journal of Medicinal Chemistry, 2009, 52, 3093-3097.	6.4	23
60	3-(3-Butylamino-2-hydroxy-propoxy)-1-hydroxy-xanthen-9-one acts as a topoisomerase IIÎ± catalytic inhibitor with low DNA damage. European Journal of Medicinal Chemistry, 2013, 69, 139-145.	5.5	23
61	Synthesis, Topoisomerase I and II Inhibitory Activity, Cytotoxicity, and Structure-activity Relationship Study of Rigid Analogues of 2,4,6-Trisubstituted Pyridine Containing 5,6-Dihydrobenzo[h]quinoline Moiety. Bulletin of the Korean Chemical Society, 2011, 32, 303-306.	1.9	23
62	Design, synthesis and systematic evaluation of cytotoxic 3-heteroarylisoquinolinamines as topoisomerases inhibitors. European Journal of Medicinal Chemistry, 2014, 82, 181-194.	5.5	22
63	Modified 2,4-diaryl-5H-indeno[1,2-b]pyridines with hydroxyl and chlorine moiety: Synthesis, anticancer activity, and structureâ€“activity relationship study. Bioorganic Chemistry, 2015, 62, 30-40.	4.1	22
64	Synthesis, topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship study of 2-phenyl- or hydroxylated 2-phenyl-4-aryl-5H-indeno[1,2-b]pyridines. Bioorganic and Medicinal Chemistry, 2015, 23, 3499-3512.	3.0	22
65	Design and synthesis of conformationally constrained hydroxylated 4-phenyl-2-aryl chromenopyridines as novel and selective topoisomerase II-targeted antiproliferative agents. Bioorganic and Medicinal Chemistry, 2015, 23, 6454-6466.	3.0	22
66	Design and synthesis of novel 2,4-diaryl-5H-indeno[1,2-b]pyridine derivatives, and their evaluation of topoisomerase inhibitory activity and cytotoxicity. Bioorganic and Medicinal Chemistry, 2015, 23, 160-173.	3.0	22
67	Novel 2-aryl-4-(4â€²-hydroxyphenyl)-5H-indeno[1,2-b]pyridines as potent DNA non-intercalative topoisomerase catalytic inhibitors. European Journal of Medicinal Chemistry, 2017, 125, 14-28.	5.5	22
68	Antiepileptic and Neuroprotective Effects of Oleamide in Rat Striatum on Kainate-Induced Behavioral Seizure and Excitotoxic Damage via Calpain Inhibition. Frontiers in Pharmacology, 2017, 8, 817.	3.5	22
69	Overcoming HSP27-mediated resistance by altered dimerization of HSP27 using small molecules. Oncotarget, 2016, 7, 53178-53190.	1.8	22
70	Xanthone analogues as potent modulators of intestinal P-glycoprotein. European Journal of Medicinal Chemistry, 2015, 93, 237-245.	5.5	21
71	2,4-Diaryl Benzofuro[3,2-b]pyridine Derivatives: Design, Synthesis, and Evaluation of Topoisomerase Inhibitory Activity and Cytotoxicity. Bulletin of the Korean Chemical Society, 2013, 34, 3073-3082.	1.9	21
72	New benzoxanthone derivatives as topoisomerase inhibitors and DNA cross-linkers. Bioorganic and Medicinal Chemistry, 2010, 18, 1010-1017.	3.0	20

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73	2,4-Diaryl-5,6-dihydro-1,10-phenanthroline and 2,4-diaryl-5,6-dihydrothieno[2,3-h] quinoline derivatives for topoisomerase I and II inhibitory activity, cytotoxicity, and structureâ€“activity relationship study. Bioorganic Chemistry, 2012, 40, 67-78.	4.1	20
74	A new series of 2-phenol-4-aryl-6-chlorophenyl pyridine derivatives as dual topoisomerase I/II inhibitors: Synthesis, biological evaluation and 3D-QSAR study. European Journal of Medicinal Chemistry, 2016, 113, 228-245.	5.5	20
75	Dihydroxylated 2,6-diphenyl-4-chlorophenylpyridines: Topoisomerase I and IIÎ± dual inhibitors with DNA non-intercalative catalytic activity. European Journal of Medicinal Chemistry, 2017, 133, 69-84.	5.5	20
76	Wrenchnolol Derivative Optimized for Gene Activation in Cells. Journal of the American Chemical Society, 2009, 131, 4774-4782.	13.7	19
77	A peptide binding to dimerized translationally controlled tumor protein modulates allergic reactions. Journal of Molecular Medicine, 2011, 89, 603-610.	3.9	19
78	Synthesis and anti-melanogenic activity of hydroxyphenyl benzyl ether analogues. Bioorganic and Medicinal Chemistry, 2011, 19, 2168-2175.	3.0	19
79	Neuroprotective effect of undecylenic acid extracted from Ricinus communis L. through inhibition of Î¼-calpain. European Journal of Pharmaceutical Sciences, 2012, 46, 17-25.	4.0	19
80	Substituted 2-arylquinazolinones: Design, synthesis, and evaluation of cytotoxicity and inhibition of topoisomerases. European Journal of Medicinal Chemistry, 2015, 103, 69-79.	5.5	19
81	PTN signaling: Components and mechanistic insights in human ovarian cancer. Molecular Carcinogenesis, 2015, 54, 1772-1785.	2.7	19
82	2-Chlorophenyl-substituted benzofuro[3,2-b]pyridines with enhanced topoisomerase inhibitory activity: The role of the chlorine substituent. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 3279-3283.	2.2	19
83	Discovery and Biological Evaluations of Halogenated 2,4-Diphenyl Indeno[1,2-b]pyridinol Derivatives as Potent Topoisomerase IIÎ±-Targeted Chemotherapeutic Agents for Breast Cancer. Journal of Medicinal Chemistry, 2019, 62, 8194-8234.	6.4	19
84	Use of saw palmetto (Serenoa repens) extract for benign prostatic hyperplasia. Food Science and Biotechnology, 2019, 28, 1599-1606.	2.6	19
85	Effect of azoxymethane and curcumin on transcriptional levels of cyclooxygenase-1 and -2 during initiation of colon carcinogenesis. Scandinavian Journal of Gastroenterology, 2007, 42, 72-80.	1.5	18
86	Estimation of curcumin intake in Korea based on the Korea National Health and Nutrition Examination Survey (2008-2012). Nutrition Research and Practice, 2014, 8, 589.	1.9	18
87	A novel indeno[1,2-b]pyridinone derivative, a DNA intercalative human topoisomerase IIÎ± catalytic inhibitor, for caspase 3-independent anticancer activity. Chemical Communications, 2017, 53, 6864-6867.	4.1	18
88	COVID-19 and pulmonary fibrosis: therapeutics in clinical trials, repurposing, and potential development. Archives of Pharmacal Research, 2021, 44, 499-513.	6.3	18
89	Synthesis and pharmacological evaluation of new methyloxiranylmethoxyxanthone analogues. European Journal of Medicinal Chemistry, 2010, 45, 4221-4228.	5.5	17
90	Effect oftransâ€“fatty acids on lipid metabolism: Mechanisms for their adverse health effects. Food Reviews International, 2016, 32, 323-339.	8.4	17

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91	Synthesis and SAR study of new hydroxy and chloro-substituted 2,4-diphenyl 5H-chromeno[4,3-b]pyridines as selective topoisomerase IÎ±-targeting anticancer agents. Bioorganic and Medicinal Chemistry, 2018, 26, 1909-1919.	3.0	17
92	Estimation of Dietary Capsaicinoid Exposure in Korea and Assessment of Its Health Effects. Nutrients, 2021, 13, 2461.	4.1	17
93	Age-related differential responses to curcumin-induced apoptosis during the initiation of colon cancer in rats. Food and Chemical Toxicology, 2009, 47, 377-385.	3.6	16
94	Synthesis and Biological Properties of Benzo-Annulated Rutaecarpines. Biological and Pharmaceutical Bulletin, 2010, 33, 1704-1709.	1.4	16
95	Development of an Albumin Copper Binding (ACuB) Assay to Detect Ischemia Modified Albumin. Analytical Sciences, 2014, 30, 985-990.	1.6	16
96	Synthesis and in Vitro Screening of Phenylbipyridinylpyrazole Derivatives as Potential Antiproliferative Agents. Molecules, 2015, 20, 1031-1045.	3.8	16
97	The synthesis and anticancer activities of chiral epoxy-substituted chromone analogs. Bioorganic Chemistry, 2019, 84, 347-354.	4.1	16
98	Epithelial-stromal communication via CXCL1-CXCR2 interaction stimulates growth of ovarian cancer cells through p38 activation. Cellular Oncology (Dordrecht), 2021, 44, 77-92.	4.4	16
99	Design, synthesis and docking study of 5-amino substituted indeno[1,2-c]isoquinolines as novel topoisomerase I inhibitors. Bioorganic and Medicinal Chemistry, 2011, 19, 1924-1929.	3.0	15
100	Ethyl 2-(benzylidene)-7-methyl-3-oxo-2,3-dihydro-5H-thiazolo[3,2-a]pyrimidine-6-carboxylate analogues as a new scaffold for protein kinase casein kinase 2 inhibitor. Bioorganic and Medicinal Chemistry, 2014, 22, 4553-4565.	3.0	15
101	Synthesis and biological evaluation of C1- O -substituted-3-(3-butylamino-2-hydroxy-propoxy)-xanthen-9-one as topoisomerase IÎ± catalytic inhibitors. European Journal of Medicinal Chemistry, 2016, 123, 211-225.	5.5	15
102	Design, synthesis, and structure-activity relationships of new benzofuro[3,2-b]pyridin-7-ols as DNA topoisomerase II inhibitors. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 566-571.	2.2	15
103	Food-derived polyphenols inhibit the growth of ovarian cancer cells irrespective of their ability to induce antioxidant responses. Heliyon, 2018, 4, e00753.	3.2	15
104	Potential Pro-Tumorigenic Effect of Bisphenol A in Breast Cancer via Altering the Tumor Microenvironment. Cancers, 2022, 14, 3021.	3.7	15
105	Synthesis of benzo[3,4]azepino[1,2-b]isoquinolin-9-ones from 3-arylisoquinolines via ring closing metathesis and evaluation of topoisomerase I inhibitory activity, cytotoxicity and docking study. Bioorganic and Medicinal Chemistry, 2011, 19, 5311-5320.	3.0	14
106	MARCKSL1 exhibits anti-angiogenic effects through suppression of VEGFR-2-dependent Akt/PDK-1/mTOR phosphorylation. Oncology Reports, 2016, 35, 1041-1048.	2.6	14
107	Design, synthesis, biological evaluation, structure-activity relationship study, and mode of action of 2-phenol-4,6-dichlorophenyl-pyridines. Bioorganic Chemistry, 2018, 79, 1-18.	4.1	14
108	Linear diarylheptanoids as potential anticancer therapeutics: synthesis, biological evaluation, and structureâ€“activity relationship studies. Archives of Pharmacal Research, 2018, 41, 1131-1148.	6.3	14

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109	Modification of translationally controlled tumor protein-derived protein transduction domain for improved intranasal delivery of insulin. Drug Delivery, 2018, 25, 1025-1032.	5.7	14
110	Specific Roles of HSP27 S15 Phosphorylation Augmenting the Nuclear Function of HER2 to Promote Trastuzumab Resistance. Cancers, 2020, 12, 1540.	3.7	14
111	Proposal of Dual Inhibitor Targeting ATPase Domains of Topoisomerase II and Heat Shock Protein 90. Biomolecules and Therapeutics, 2016, 24, 453-468.	2.4	14
112	Design and synthesis of 4-amino-2-phenylquinazolines as novel topoisomerase I inhibitors with molecular modeling. Bioorganic and Medicinal Chemistry, 2011, 19, 4399-4404.	3.0	13
113	Hyperactivated m-calpain affects acquisition of doxorubicin resistance in breast cancer cells. Biochimica Et Biophysica Acta - General Subjects, 2018, 1862, 1126-1133.	2.4	13
114	A-62176, a potent topoisomerase inhibitor, inhibits the expression of human epidermal growth factor receptor 2. Cancer Letters, 2012, 325, 72-79.	7.2	12
115	Dithiiranylmethyloxy azaxanthone shows potent anti-tumor activity via suppression of HER2 expression and HER2-mediated signals in HER2-overexpressing breast cancer cells. European Journal of Pharmaceutical Sciences, 2013, 50, 181-190.	4.0	12
116	Effect of chlorine substituent on cytotoxic activities: Design and synthesis of systematically modified 2,4-diphenyl-5H-indeno[1,2-b]pyridines. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1726-1731.	2.2	12
117	Design, synthesis, and biological evaluation of 1,3-diarylisoquinolines as novel topoisomerase I catalytic inhibitors. European Journal of Medicinal Chemistry, 2018, 143, 200-215.	5.5	12
118	Development of 13H-benzo[f]chromeno[4,3-b][1,7]naphthyridines and their salts as potent cytotoxic agents and topoisomerase I/IIÎ± inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 5181-5193.	3.0	12
119	A chromenone analog as an ATP-competitive, DNA non-intercalative topoisomerase II catalytic inhibitor with preferences toward the alpha isoform. Chemical Communications, 2019, 55, 12857-12860.	4.1	12
120	Design and evaluation of variants of the protein transduction domain originated from translationally controlled tumor protein. European Journal of Pharmaceutical Sciences, 2011, 43, 25-31.	4.0	11
121	Synthesis and biological evaluation of 2-phenol-4-chlorophenyl-6-aryl pyridines as topoisomerase II inhibitors and cytotoxic agents. Bioorganic Chemistry, 2016, 66, 145-159.	4.1	11
122	Intestinal P-glycoprotein inhibitors, benzoxanthone analogues. Journal of Pharmacy and Pharmacology, 2018, 70, 234-241.	2.4	11
123	Plumbagin Suppresses Pulmonary Fibrosis via Inhibition of p300 Histone Acetyltransferase Activity. Journal of Medicinal Food, 2020, 23, 633-640.	1.5	11
124	Synthesis, Cytotoxicity and Topoisomerase II Inhibitory Activity of Benzonaphthofurandiones. Bulletin of the Korean Chemical Society, 2011, 32, 2391-2396.	1.9	11
125	Membrane transport in hepatic clearance of drugs. I: Extended hepatic clearance models incorporating concentration-dependent transport and elimination processes. , 1997, 14, 774-779.		10
126	Synthesis and investigation of dihydroxychalcones as calpain and cathepsin inhibitors. Bioorganic Chemistry, 2013, 51, 24-30.	4.1	10

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127	Development of a database of capsaicinoid contents in foods commonly consumed in Korea. Food Science and Nutrition, 2020, 8, 4611-4624.	3.4	10
128	Synthesis and biological effect of chrom-4-one derivatives as functional inhibitors of heat shock protein 27. European Journal of Medicinal Chemistry, 2017, 139, 892-900.	5.5	10
129	Calcium influx-mediated translocation ofm-calpain induces Ku80 cleavage and enhances the Ku80-related DNA repair pathway. Oncotarget, 2016, 7, 30831-30844.	1.8	10
130	Synthesis, Topoisomerase I and II Inhibitory Activities, and Cytotoxicity of 4,6-Diaryl-2,4'-bipyridine Derivatives. Bulletin of the Korean Chemical Society, 2010, 31, 1747-1750.	1.9	10
131	AK-I-190, a New Catalytic Inhibitor of Topoisomerase II with Anti-Proliferative and Pro-Apoptotic Activity on Androgen-Negative Prostate Cancer Cells. International Journal of Molecular Sciences, 2021, 22, 11246.	4.1	10
132	Hepatic uptake of choline in rat liver basolateral and canalicular membrane vesicle preparations. Journal of Pharmacology and Experimental Therapeutics, 1996, 279, 774-81.	2.5	10
133	Membrane transport in hepatic clearance of drugs. II: Zonal distribution patterns of concentration-dependent transport and elimination processes. , 1997, 14, 780-785.		9
134	Aging alters acute apoptotic response to azoxymethane in the colon of rats. Experimental Gerontology, 2007, 42, 1154-1161.	2.8	9
135	2,2-dimethyl-2H-pyran-derived alkaloids I. Practical synthesis of acronycine and benzo[b]acronycine and their biological properties. Archives of Pharmacal Research, 2008, 31, 1087-1093.	6.3	9
136	A facile synthesis of emodin derivatives, emodin carbaldehyde, citreorosein, and their 10-deoxygenated derivatives and their inhibitory activities on Î¼-calpain. Archives of Pharmacal Research, 2012, 35, 447-454.	6.3	9
137	Design, synthesis and biological evaluation of 1,3-diphenylbenzo[f][1,7]naphthyrdines. Bioorganic and Medicinal Chemistry, 2017, 25, 5586-5597.	3.0	9
138	Field-based rational design of p300 histone acetyltransferase inhibitor and systematic evaluation as an anti-fibrotic agent. Chemical Communications, 2020, 56, 9795-9798.	4.1	9
139	Hypoxiaâ€induced ELF3 promotes tumor angiogenesis through IGF1/IGF1R. EMBO Reports, 2022, 23, .	4.5	9
140	Association of curry consumption with blood lipids and glucose levels. Nutrition Research and Practice, 2016, 10, 212.	1.9	8
141	Thiol-reducing agents prevent sulforaphane-induced growth inhibition in ovarian cancer cells. Food and Nutrition Research, 2017, 61, 1368321.	2.6	8
142	A new phenolic series of indenopyridinone as topoisomerase inhibitors: Design, synthesis, and structure-activity relationships. Bioorganic and Medicinal Chemistry, 2018, 26, 5212-5223.	3.0	8
143	Chalcones as Novel Non-peptidic Î¼-Calpain Inhibitors. Bulletin of the Korean Chemical Society, 2011, 32, 3459-3464.	1.9	8
144	BMI-1 interacts with sMEK1 and inactivates sMEK1-induced apoptotic cell death. Oncology Reports, 2017, 37, 579-586.	2.6	7

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145	The synthesis of tamoxifen-loaded albumin nanoparticles by homogenizers: Optimization and inÂvitro characterization. Journal of Drug Delivery Science and Technology, 2017, 41, 20-30.	3.0	7
146	Identification of Indicators for Preterm Birth Using Retinoid Metabolites. Metabolites, 2021, 11, 443.	2.9	7
147	Synthesis, Biological Evaluation and Molecular Docking Study of Cyclic Diarylheptanoids as Potential Anticancer Therapeutics. Anti-Cancer Agents in Medicinal Chemistry, 2020, 20, 464-475.	1.7	7
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