Eung-Seok Lee

List of Publications by Year
in descending order

69 papers	1,180 citations	331670 21 h-index	454955 30 g-index
69 all docs	69 docs citations	69 times ranked	1291 citing authors

#	Article	IF	Citations
1	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
2	Inhibition of Nitric Oxide and Tumor Necrosis Factor-.ALPHA. (TNF-.ALPHA.) Production by Propenone Compound through Blockade of Nuclear Factor (NF)-.KAPPA.B Activation in Cultured Murine Macrophages. Biological and Pharmaceutical Bulletin, 2004, 27, 617-620.	1.4	62
3	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
4	Ginsenoside RB1 the anti-ulcer constituent from the head ofPanax ginseng. Archives of Pharmacal Research, 2003, 26, 906-911.	6.3	40
5	Discovery and structure-activity relationship studies of 2-benzylidene-2,3-dihydro-1H-inden-1-one and benzofuran-3(2H)-one derivatives as a novel class of potential therapeutics for inflammatory bowel disease. European Journal of Medicinal Chemistry, 2017, 137, 575-597.	5.5	39
6	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
7	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
8	Synthesis of novel oleanolic acid and ursolic acid in C-28 position derivatives as potential anticancer agents. Archives of Pharmacal Research, 2017, 40, 458-468.	6.3	33
9	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
10	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
11	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
12	Inhibition of LPS-stimulated ROS production by fluorinated and hydroxylated chalcones in RAW 264.7 macrophages with structure-activity relationship study. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1205-1209.	2.2	28
13	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
14	Potent Analgesic and Anti-inflammatory Activities of 1-Furan-2-yl-3-pyridin-2-yl-propenone with Gastric Ulcer Sparing Effect. Biological and Pharmaceutical Bulletin, 2006, 29, 361-364.	1.4	26
15	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
16	Design, synthesis, and structure-activity relationship study of halogen containing 2-benzylidene-1-indanone derivatives for inhibition of LPS-stimulated ROS production in RAW 264.7 macrophages. European Journal of Medicinal Chemistry, 2017, 133, 121-138.	5.5	23
17	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
18	Design, synthesis and systematic evaluation of cytotoxic 3-heteroarylisoquinolinamines as topoisomerases inhibitors. European Journal of Medicinal Chemistry, 2014, 82, 181-194.	5.5	22

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19	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
20	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
21	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
22	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
23	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
24	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
25	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
26	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
27	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
28	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
29	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
30	Modulation of Atg5 expression by globular adiponectin contributes to autophagy flux and suppression of ethanol-induced cell death in liver cells. Food and Chemical Toxicology, 2014, 68, 11-22.	3.6	18
31	Synthesis and SAR study of new hydroxy and chloro-substituted 2,4-diphenyl 5H-chromeno[4,3-b]pyridines as selective topoisomerase IIÎ±-targeting anticancer agents. Bioorganic and Medicinal Chemistry, 2018, 26, 1909-1919.	3.0	17
32	Synthesis and biological evaluation of C1- O -substituted-3-(3-butylamino-2-hydroxy-propoxy)-xanthen-9-one as topoisomerase IIÎ± catalytic inhibitors. European Journal of Medicinal Chemistry, 2016, 123, 211-225.	5.5	15
33	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
34	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
35	Intra- and inter-laboratory reproducibility and predictivity of the HaCaSens assay: A skin sensitization test using human keratinocytes, HaCaT. Toxicology in Vitro, 2018, 46, 304-312.	2.4	14
36	Inhibitory Effect of 3-(4-Hydroxyphenyl)-1-(thiophen-2-yl) prop-2-en-1-one, a Chalcone Derivative on MCP-1 Expression in Macrophages via Inhibition of ROS and Akt Signaling. Biomolecules and Therapeutics, 2015, 23, 119-127.	2.4	13

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37	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
38	Introduction of amino moiety enhances the inhibitory potency of 1-tetralone chalcone derivatives against LPS-stimulated reactive oxygen species production in RAW 264.7 macrophages. Bioorganic Chemistry, 2019, 87, 495-505.	4.1	12
39	TI-I-174, a Synthetic Chalcone Derivative, Suppresses Nitric Oxide Production in Murine Macrophages via Heme Oxygenase-1 Induction and Inhibition of AP-1. Biomolecules and Therapeutics, 2014, 22, 390-399.	2.4	12
40	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
41	Synthesis and biological evaluation of pyridine-linked indanone derivatives: Potential agents for inflammatory bowel disease. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 2436-2441.	2.2	11
42	YJI-7 Suppresses ROS Production and Expression of Inflammatory Mediators via Modulation of p38MAPK and JNK Signaling in RAW 264.7 Macrophages. Biomolecules and Therapeutics, 2018, 26, 191-200.	2.4	11
43	The effect ofN-substituted alkyl groups on anticonvulsant activities ofN-Cbz-Î±-amino-N-alkylglutarimides. Archives of Pharmacal Research, 1999, 22, 491-495.	6.3	10
44	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
45	Exploring the Metabolism of Loxoprofen in Liver Microsomes: The Role of Cytochrome P450 and UDP-Glucuronosyltransferase in Its Biotransformation. Pharmaceutics, 2018, 10, 112.	4.5	9
46	The effect ofN-alkyloxycarbonyl group on the anticonvulsant activities ofN-alkyloxycarbonyl-Î±-amino-N-methylsuccinimides. Archives of Pharmacal Research, 1998, 21, 759-763.	6.3	8
47	The effect ofN-alkyloxycarbonyl group on the anticonvulsant activities ofN-alkyloxycarbonyl-Î±-aminoglutarimides. Archives of Pharmacal Research, 1998, 21, 764-768.	6.3	8
48	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
49	A novel antiâ€cancer agent, FPDHP, induces anoikis in various human cancer cells through activation of calpain, and downregulation of anoikisâ€related molecules. Journal of Cellular Biochemistry, 2018, 119, 5620-5631.	2.6	7
50	Identification of a N 7-guanine adduct of 1-bromopropane in calf thymus DNA by mass spectrometry. Molecular and Cellular Toxicology, 2016, 12, 7-14.	1.7	6
51	Discovery of a 2,4-diphenyl-5,6-dihydrobenzo(h)quinolin-8-amine derivative as a novel DNA intercalating topoisomerase IIÎ± poison. European Journal of Medicinal Chemistry, 2021, 226, 113860.	5.5	6
52	<scp>6â€Hydroxy</scp>â€benzofuranâ€3â€(<scp>2H</scp>)â€ones as Potential Antiâ€Inflammatory Agents: Synthesis and Inhibitory Activity of <scp>LPS</scp>â€Stimulated <scp>ROS</scp> Production in <scp>RAW</scp> 264.7 Macrophage. Bulletin of the Korean Chemical Society, 2021, 42, 372-375.	1.9	5
53	Identification of new halogen-containing 2,4-diphenyl indenopyridin-5-one derivative as a boosting agent for the anticancer responses of clinically available topoisomerase inhibitors. European Journal of Medicinal Chemistry, 2022, 227, 113916.	5.5	5
54	Inhibitory Activity of Halogenated 3â€Benzylidenechromanâ€4â€ones Against Lipopolysaccharideâ€stimulated Reactive Oxygen Species Production in <scp>RAW</scp> 264.7 Macrophages. Bulletin of the Korean Chemical Society, 2017, 38, 665-670.	1.9	4

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55	Hydroxylâ€•and Halogenâ€•containing Chalcones for the Inhibition of LPSâ€•stimulated ROS Production in RAW 264.7 Macrophages: Design, Synthesis and Structureâ€“Activity Relationship Study. Bulletin of the Korean Chemical Society, 2019, 40, 729-734.	1.9	4
56	Assessing Drug Interaction and Pharmacokinetics of Loxoprofen in Mice Treated with CYP3A Modulators. Pharmaceutics, 2019, 11, 479.	4.5	4
57	Design and Synthesis of Fluorinated and/or Hydroxylated 2â€Arylideneâ€1â€•indanone Derivatives as an Inhibitor of LPSâ€•stimulated ROS Production in RAW 264.7 Macrophages with Structureâ€“Activity Relationship Study. Bulletin of the Korean Chemical Society, 2018, 39, 1432-1441.	1.9	3
58	Synthesis and structure-activity relationships of hydroxylated and halogenated 2,4-diaryl benzofuro[3,2-b]pyridin-7-ols as selective topoisomerase IIÎ± inhibitors. Bioorganic Chemistry, 2021, 111, 104884.	4.1	3
59	Reactivity and suitability oft-boc-protected thiophosphotyrosine intermediate analogs for the solid or solution phase peptide synthesis. Archives of Pharmacal Research, 1998, 21, 330-337.	6.3	2
60	Optimizing the cutoff for the identification of skin sensitizers by the HaCaSens assay: Introducing an ROC-analysis-based cutoff approach. Toxicology Letters, 2018, 299, 86-94.	0.8	2
61	Anticancer Activity of Indeno[1,2-b]-Pyridinol Derivative as a New DNA Minor Groove Binding Catalytic Inhibitor of Topoisomerase IIÎ±. Biomolecules and Therapeutics, 2021, 29, 562-570.	2.4	2
62	4-Flourophenyl-substituted 5H-indeno[1,2-b]pyridinols with enhanced topoisomerase IIÎ± inhibitory activity: Synthesis, biological evaluation, and structureâ€“activity relationships. Bioorganic Chemistry, 2021, 116, 105349.	4.1	2
63	Topoisomerase IIÎ± inhibitory and antiproliferative activity of dihydroxylated 2,6-diphenyl-4-fluorophenylpyridines: Design, synthesis, and structure-activity relationships. Bioorganic and Medicinal Chemistry Letters, 2022, 60, 128606.	2.2	2
64	Preparation and determination of structure of L-3-deoxymimosine-containing peptides. Archives of Pharmacal Research, 2000, 23, 211-221.	6.3	1
65	Effects of flupyrazofos on liver microsomal cytochrome P450 in the male Fischer 344 rat. Xenobiotica, 2000, 30, 1123-1130.	1.1	1
66	FPDHP, a novel anticancer agent, induces cell detachment and caspase-dependent apoptosis in Caki cells. International Journal of Molecular Medicine, 2014, 34, 1051-1056.	4.0	1
67	Identification of sulfonylâ€loxoprofen as novel phase 2 conjugate in rat. Biopharmaceutics and Drug Disposition, 2019, 40, 234-241.	1.9	0
68	Inhibitory effects of propenone derivatives on angiogenesis in vitro and in vivo. FASEB Journal, 2008, 22, 720.5.	0.5	0
69	Propenone derivatives inhibit TNFâ€Î±â€•and TNBSâ€•induced intestinal inflammation in vitro and in vivo. FASEB Journal, 2010, 24, 969.8.	0.5	0