

Yongseok Choi

List of Publications by Year in descending order

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102
papers

3,245
citations

126708

33
h-index

168136

53
g-index

114
all docs

114
docs citations

114
times ranked

4554
citing authors

#	ARTICLE	IF	CITATIONS
1	Comparative study of photosensitizer loaded and conjugated glycol chitosan nanoparticles for cancer therapy. <i>Journal of Controlled Release</i> , 2011, 152, 21-29.	4.8	206
2	In vivo tumor diagnosis and photodynamic therapy via tumoral pH-responsive polymeric micelles. <i>Chemical Communications</i> , 2010, 46, 5668.	2.2	173
3	Tumor-homing photosensitizer-conjugated glycol chitosan nanoparticles for synchronous photodynamic imaging and therapy based on cellular on/off system. <i>Biomaterials</i> , 2011, 32, 4021-4029.	5.7	155
4	Tumor-homing Poly-siRNA/Glycol Chitosan Self-Cross-Linked Nanoparticles for Systemic siRNA Delivery in Cancer Treatment. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 7203-7207.	7.2	149
5	Tumor-homing glycol chitosan/polyethylenimine nanoparticles for the systemic delivery of siRNA in tumor-bearing mice. <i>Journal of Controlled Release</i> , 2010, 144, 134-143.	4.8	145
6	2-Substitution of Adenine Nucleotide Analogues Containing a Bicyclo[3.1.0]hexane Ring System Locked in a Northern Conformation: Enhanced Potency as P2Y1 Receptor Antagonists. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 4974-4987.	2.9	125
7	Antiviral Activities and Cellular Toxicities of Modified 2',3'-Dideoxy-2',3'-Didehydrocytidine Analogues. <i>Antimicrobial Agents and Chemotherapy</i> , 2002, 46, 3854-3860.	1.4	120
8	Synthesis and Anti-HIV and Anti-HBV Activities of 2'-Fluoro-2',3'-unsaturated I-Nucleosides. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1320-1328.	2.9	71
9	A Novel Small-Molecule Inhibitor Targeting the IL-6 Receptor β Subunit, Glycoprotein 130. <i>Journal of Immunology</i> , 2015, 195, 237-245.	0.4	71
10	Cationic drug-derived nanoparticles for multifunctional delivery of anticancer siRNA. <i>Biomaterials</i> , 2011, 32, 9785-9795.	5.7	62
11	Application of <i>rpoB</i> and Zinc Protease Gene for Use in Molecular Discrimination of <i>Fusobacterium nucleatum</i> Subspecies. <i>Journal of Clinical Microbiology</i> , 2010, 48, 545-553.	1.8	55
12	A Conformationally Locked Analogue of the Anti-HIV Agent Stavudine. An Important Correlation between Pseudorotation and Maximum Amplitude. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 3292-3299.	2.9	54
13	Histone deacetylase inhibitor KBH-A42 inhibits cytokine production in RAW 264.7 macrophage cells and in vivo endotoxemia model. <i>Experimental and Molecular Medicine</i> , 2008, 40, 574.	3.2	54
14	Enhanced Intrapulmonary Delivery of Anticancer siRNA for Lung Cancer Therapy Using Cationic Ethylphosphocholine-based Nanolipoplexes. <i>Molecular Therapy</i> , 2013, 21, 816-824.	3.7	54
15	Recent Advances in the Development of Pharmacologically Active Compounds that Contain a Benzoxazole Scaffold. <i>Asian Journal of Organic Chemistry</i> , 2015, 4, 1338-1361.	1.3	54
16	HIF-1 α inhibitors: Synthesis and biological evaluation of novel moracin O and P analogues. <i>European Journal of Medicinal Chemistry</i> , 2011, 46, 2386-2396.	2.6	51
17	Tocopheryl oligochitosan-based self assembling oligomersomes for siRNA delivery. <i>Biomaterials</i> , 2011, 32, 849-857.	5.7	50
18	Anionic amino acid-derived cationic lipid for siRNA delivery. <i>Journal of Controlled Release</i> , 2009, 140, 268-276.	4.8	49

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19	Structure-Activity Relationships of 2-Fluoro-3-unsaturated-d-Nucleosides as Anti-HIV-1 Agents. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 1313-1320.	2.9	48
20	An Overview of Saturated Cyclic Ethers: Biological Profiles and Synthetic Strategies. <i>Molecules</i> , 2019, 24, 3778.	1.7	45
21	A Practical Synthesis of L-FMAU from L-Arabinose. <i>Nucleosides & Nucleotides</i> , 1999, 18, 187-195.	0.5	43
22	Structure-Activity Relationships of (E)-5-(2-Bromovinyl)uracil and Related Pyrimidine Nucleosides as Antiviral Agents for Herpes Viruses. <i>Journal of Medicinal Chemistry</i> , 2000, 43, 2538-2546.	2.9	43
23	Caught in the act: visualization of an intermediate in the DNA base-flipping pathway induced by HhaI methyltransferase. <i>Nucleic Acids Research</i> , 2004, 32, 3877-3886.	6.5	43
24	Enantiomeric synthesis of 3-fluoro-apionucleosides using Claisen rearrangement. <i>Tetrahedron Letters</i> , 1998, 39, 3443-3446.	0.7	42
25	The first total synthesis of moracin O and moracin P, and establishment of the absolute configuration of moracin O. <i>Chemical Communications</i> , 2009, , 1879.	2.2	41
26	Understanding How the Herpes Thymidine Kinase Orchestrates Optimal Sugar and Nucleobase Conformations To Accommodate Its Substrate at the Active Site: A Chemical Approach. <i>Journal of the American Chemical Society</i> , 2005, 127, 15145-15150.	6.6	40
27	Liver-Specific and Echogenic Hyaluronic Acid Nanoparticles Facilitating Liver Cancer Discrimination. <i>Advanced Functional Materials</i> , 2013, 23, 5518-5529.	7.8	39
28	Synthesis, Anti-HIV Activity, and Molecular Mechanism of Drug Resistance of 1-(2-Fluoro-3-didehydro-2,3-dideoxy-2-fluoro-4-thionucleosides. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 389-398.	6.9	38
29	Chromen-based TNF- α converting enzyme (TACE) inhibitors: Design, synthesis, and biological evaluation. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 530-535.	1.4	38
30	A novel pyrazole derivative protects from ovariectomy-induced osteoporosis through the inhibition of NADPH oxidase. <i>Scientific Reports</i> , 2016, 6, 22389.	1.6	38
31	Effective Killing of Cancer Cells Through ROS-Mediated Mechanisms by AMRI-59 Targeting Peroxiredoxin I. <i>Antioxidants and Redox Signaling</i> , 2016, 24, 453-469.	2.5	36
32	Stereoselective Synthesis and Antiviral Activity of 2-Fluoro-3-didehydro-2,3-dideoxy-2-fluoro-4-thionucleosides. <i>Journal of Medicinal Chemistry</i> , 2002, 45, 4888-4898.	2.5	35
33	Therapeutic Strategies for Metabolic Diseases: Small-Molecule Diacylglycerol Acyltransferase (DGAT) Inhibitors. <i>ChemMedChem</i> , 2014, 9, 2410-2424.	1.6	35
34	Synthesis and Structure-Activity Relationship Study of Chemical Probes as Hypoxia Induced Factor-1 α /Malate Dehydrogenase 2 Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 9522-9538.	2.9	34
35	Cellular uptake pathway and drug release characteristics of drug-encapsulated glycol chitosan nanoparticles in live cells. <i>Microscopy Research and Technique</i> , 2010, 73, 857-865.	1.2	33
36	Differential Binding Modes of Diacylglycerol (DAG) and DAG Lactones to Protein Kinase C (PK-C). <i>Journal of Medicinal Chemistry</i> , 2003, 46, 1571-1579.	2.9	32

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37	Structure-Activity Relationships of 1-Dioxolane Uracil Nucleosides as Anti-Epstein Barr Virus Agents. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 2212-2217.	2.9	30
38	Recent Advances in the Synthesis of Conformationally Locked Nucleosides and Their Success in Probing the Critical Question of Conformational Preferences by Their Biological Targets. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 547-557.	0.4	30
39	Structure-Activity Relationship Studies of a Series of Novel 1-Lactam-Based Histone Deacetylase Inhibitors. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 2737-2741.	2.9	29
40	Synthesis and Potent Anti-HIV Activity of 1-2,3-Didehydro-2,3-dideoxy-2-fluoro-4-thiocytidine. <i>Organic Letters</i> , 2002, 4, 305-307.	2.4	28
41	Modification of cap group in 1-lactam-based histone deacetylase (HDAC) inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6234-6238.	1.0	27
42	Tetraiodothyroacetic acid-tagged liposomes for enhanced delivery of anticancer drug to tumor tissue via integrin receptor. <i>Journal of Controlled Release</i> , 2012, 164, 213-220.	4.8	27
43	Current status of anti-HBV chemotherapy. <i>Archives of Pharmacal Research</i> , 1998, 21, 89-105.	2.7	25
44	Synthesis and anti-HIV activity of 1-2-fluoro-2,3-unsaturated purine nucleosides. <i>Tetrahedron Letters</i> , 1998, 39, 4437-4440.	0.7	25
45	Stereoselective Synthesis of Carbocyclic 1-4-Fluoro-2,3-dideoxyadenosine. <i>Organic Letters</i> , 2000, 2, 1229-1231.	2.4	24
46	Enantioselective Synthesis of Bicyclo[3.1.0]hexane Carbocyclic Nucleosides via a Lipase-Catalyzed Asymmetric Acetylation. Characterization of an Unusual Acetal Byproduct. <i>Journal of Organic Chemistry</i> , 2002, 67, 5938-5945.	1.7	24
47	An Insight into Drug Repositioning for the Development of Novel Anti-Cancer Drugs. <i>Current Topics in Medicinal Chemistry</i> , 2016, 16, 2156-2168.	1.0	24
48	New Classes of Fluorinated L-Nucleosides; Synthesis and Antiviral Activity. <i>Nucleosides & Nucleotides</i> , 1999, 18, 537-540.	0.5	23
49	A Practical Enzymatic Synthesis of UDP Sugars and NDP Glucoses. <i>ChemBioChem</i> , 2005, 6, 1963-1966.	1.3	23
50	Synthesis and characterization of oligonucleotides containing conformationally constrained bicyclo[3.1.0]hexane pseudosugar analogs. <i>Nucleic Acids Research</i> , 2004, 32, 3642-3650.	6.5	22
51	Synthesis of novel 3-C-methyl-apionucleosides: an asymmetric construction of a quaternary carbon by Claisen rearrangement. <i>Carbohydrate Research</i> , 2000, 328, 37-48.	1.1	18
52	Conformationally Constrained Analogues of Diacylglycerol. 19. Synthesis and Protein Kinase C Binding Affinity of Diacylglycerol Lactones Bearing an N-Hydroxylamide Side Chain. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2790-2793.	2.9	18
53	Discovery of a novel series of benzimidazole derivatives as diacylglycerol acyltransferase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 7456-7460.	1.0	18
54	Discovery of novel (1S)-(1R)-verbenone derivatives with anti-oxidant and anti-ischemic effects. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 5421-5425.	1.0	18

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55	Anti-Epstein-Barr Virus (EBV) Activity of 2-Iododioxolane Uracil Is Dependent on EBV Thymidine Kinase. <i>Antimicrobial Agents and Chemotherapy</i> , 2000, 44, 3278-3284.	1.4	17
56	Synthesis of a Conformationally Locked Version of Puromycin Amino Nucleoside. <i>Organic Letters</i> , 2002, 4, 589-592.	2.4	17
57	A novel class of highly potent multidrug resistance reversal agents: Disubstituted adamantyl derivatives. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 5376-5379.	1.0	17
58	From the Cover: Ethylmercury-Induced Oxidative and Endoplasmic Reticulum Stress-Mediated Autophagic Cell Death: Involvement of Autophagosome-Lysosome Fusion Arrest. <i>Toxicological Sciences</i> , 2016, 154, 27-42.	1.4	17
59	L-Nucleoside Analogues as Potential Antimalarials That Selectively Target Plasmodium falciparum Adenosine Deaminase. <i>Nucleosides & Nucleotides</i> , 1999, 18, 2521-2532.	0.5	15
60	Structure-activity relationship study of a series of novel oxazolidinone derivatives as IL-6 signaling blockers. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 1282-1286.	1.0	15
61	Facile synthesis of glucose-1-phosphate from starch by <i>Thermus caldophilus</i> GK24 α -glucan phosphorylase. <i>Process Biochemistry</i> , 2005, 40, 3707-3713.	1.8	14
62	Discovery of indolyl acrylamide derivatives as human diacylglycerol acyltransferase-2 selective inhibitors. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 849-858.	1.5	14
63	A protecting group-free divergent synthesis of natural benzofurans via one-pot synthesis of 2-bromo-6-hydroxybenzofurans. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2153-2161.	1.5	14
64	Synthesis of Conformationally Locked Versions of Puromycin Analogues. <i>Journal of Organic Chemistry</i> , 2008, 73, 9435-9438.	1.7	13
65	A hexokinase with broad sugar specificity from a thermophilic bacterium. <i>Biochemical and Biophysical Research Communications</i> , 2005, 334, 754-763.	1.0	11
66	Conformationally Constrained Analogues of Diacylglycerol (DAG). 28. DAG-dioxolanones Reveal a New Additional Interaction Site in the C1b Domain of PKC β . <i>Journal of Medicinal Chemistry</i> , 2007, 50, 3465-3481.	2.9	11
67	Synthesis of (S)-(+)-decursin and its analogues as potent inhibitors of melanin formation in B16 murine melanoma cells. <i>European Journal of Medicinal Chemistry</i> , 2010, 45, 5567-5575.	2.6	11
68	Schweinfurthins A-Q: isolation, synthesis, and biochemical properties. <i>RSC Advances</i> , 2018, 8, 21191-21209.	1.7	11
69	Gelastatins and their hydroxamates as dual functional inhibitors for TNF- α converting enzyme and matrix metalloproteinases: Synthesis, biological evaluation, and mechanism studies. <i>Biochemical and Biophysical Research Communications</i> , 2006, 341, 627-634.	1.0	10
70	Stereoselectivity of fructose-1,6-bisphosphate aldolase in <i>Thermus caldophilus</i> . <i>Biochemical and Biophysical Research Communications</i> , 2006, 347, 616-625.	1.0	10
71	A facile synthetic route to diazepinone derivatives via ring closing metathesis and its application for human cytidine deaminase inhibitors. <i>Chemical Communications</i> , 2012, 48, 11443.	2.2	10
72	Synthesis of a novel series of 2-alkylthio substituted naphthoquinones as potent acyl-CoA: Cholesterol acyltransferase (ACAT) inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2013, 62, 515-525.	2.6	10

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73	Synthesis and Cytotoxicity Studies of Bioactive Benzofurans from <i>Lavandula agustifolia</i> and Modified Synthesis of Ailanthoidol, Homoegonol, and Egonol. <i>Journal of Natural Products</i> , 2020, 83, 3354-3362.	1.5	10
74	The disubstituted adamantyl derivative LW1564 inhibits the growth of cancer cells by targeting mitochondrial respiration and reducing hypoxia-inducible factor (HIF)-1 α accumulation. <i>Experimental and Molecular Medicine</i> , 2020, 52, 1845-1856.	3.2	10
75	Combination of LMT-28 and Metformin Improves Beneficial Anti-Inflammatory Effect in Collagen-Induced Arthritis. <i>Pharmacology</i> , 2021, 106, 53-59.	0.9	10
76	Synthesis and Conformational Analysis of a Locked Analogue of Carbovir Built on a Bicyclo[3.1.0]-hex-2-enyl Template. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 2077-2091.	0.4	9
77	Crystal Structure of Dimeric Human Peroxiredoxin C83S Mutant. <i>Bulletin of the Korean Chemical Society</i> , 2015, 36, 1543-1545.	1.0	9
78	Nucleosides with Modified Sugar Ring: Synthesis and Biological Activities. <i>Current Organic Chemistry</i> , 2016, 20, 856-897.	0.9	9
79	Recent Advances in Anticancer Chemotherapeutics based upon Azepine Scaffold. <i>Anti-Cancer Agents in Medicinal Chemistry</i> , 2016, 16, 539-557.	0.9	9
80	Metabolism and Mode of Inhibition of Varicella-Zoster Virus by 1 ² -5-Bromovinyl-(2-hydroxymethyl)-(1,3-dioxolanyl)uracil Is Dependent on Viral Thymidine Kinase. <i>Molecular Pharmacology</i> , 2000, 58, 1109-1114.	1.0	7
81	Differential anti-ischemic efficacy and therapeutic time window of trans- and cis-hinokiresinols: Stereo-specific antioxidant and anti-inflammatory activities. <i>Neuropharmacology</i> , 2013, 67, 465-475.	2.0	7
82	Non-Selective Cannabinoid Receptor Antagonists, Hinokiresinols Reduce Infiltration of Microglia/Macrophages into Ischemic Brain Lesions in Rat via Modulating 2-Arachidonolglycerol-Induced Migration and Mitochondrial Activity. <i>PLoS ONE</i> , 2015, 10, e0141600.	1.1	7
83	Discovery of a novel series of N-hydroxypyridone derivatives protecting astrocytes against hydrogen peroxide-induced toxicity via improved mitochondrial functionality. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 1394-1405.	1.4	7
84	Iodine-Promoted One-Pot Synthesis of Highly Substituted 4-Aminopyrroles and Bis-4-Aminopyrrole from Aryl Methyl Ketones, Arylamines, and Enamines. <i>Advanced Synthesis and Catalysis</i> , 2018, 360, 4073-4079.	2.1	7
85	Elucidation of Mechanism for Ligand Efficacy at Leukotriene B ₄ Receptor 2 (BLT2). <i>ACS Medicinal Chemistry Letters</i> , 2020, 11, 1529-1534.	1.3	7
86	In vitro and in vivo pharmacokinetic characterization of LMT-28 as a novel small molecular interleukin-6 inhibitor. <i>Asian-Australasian Journal of Animal Sciences</i> , 2020, 33, 670-677.	2.4	7
87	Synthesis and evaluation of (+)-decursin derivatives as inhibitors of the Wnt/ β -catenin pathway. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3529-3532.	1.0	6
88	Total Synthesis of the Neuroprotective Agent Cudraisoiflavone J. <i>Journal of Natural Products</i> , 2021, 84, 1359-1365.	1.5	6
89	NADPH oxidase inhibitor development for diabetic nephropathy through water tank model. <i>Kidney Research and Clinical Practice</i> , 2022, 41, S89-S98.	0.9	6
90	RECENT ADVANCES IN ANTIVIRAL NUCLEOSIDES. , 2003, , 1-76.		5

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91	Stereoselective Synthesis of Anti-Hepatitis B Drug, Entecavir, through Regio- and Stereoselective Epoxide Cleavage. <i>Asian Journal of Organic Chemistry</i> , 2017, 6, 1213-1218.	1.3	5
92	Suppression of Hepatitis C Virus Genome Replication and Particle Production by a Novel Diacylglycerol Acyltransferases Inhibitor. <i>Molecules</i> , 2018, 23, 2083.	1.7	5
93	Stereoselective synthesis of (E)- and (Z)-enol ethers from α -amino aldehydes. <i>Archives of Pharmacal Research</i> , 2007, 30, 695-700.	2.7	4
94	A Divergent Approach for the Synthesis of d- and l- β -Ethyryl Dioxolane Nucleosides with Potent Anti-HIV Activity. <i>Synthesis</i> , 2016, 48, 3050-3056.	1.2	4
95	Elucidation of the inhibition mechanism of sulfiredoxin using molecular modeling and development of its inhibitors. <i>Journal of Molecular Graphics and Modelling</i> , 2019, 92, 208-215.	1.3	4
96	Combination of gp130-targeting and TNF-targeting small molecules in alleviating arthritis through the down-regulation of Th17 differentiation and osteoclastogenesis. <i>Biochemical and Biophysical Research Communications</i> , 2020, 522, 1030-1036.	1.0	4
97	ALMP2-DX2 provides therapeutic interface to control KRAS-driven tumorigenesis. <i>Nature Communications</i> , 2022, 13, 2572.	5.8	3
98	Up-regulation of astroglial heme oxygenase-1 by a synthetic (S)-verbenone derivative LMT-335 ameliorates oxygen-glucose deprivation-evoked injury in cortical neurons. <i>Biochemical and Biophysical Research Communications</i> , 2013, 431, 484-489.	1.0	2
99	Catalyst-Free One-Pot Multi-Component Synthesis of α -Substituted Quinazolin-4-carboxamides from α -Aminophenyl- α -oxoacetamides, Aldehydes, and Ammonium Acetate. <i>ChemistrySelect</i> , 2021, 6, 5446-5450.	0.7	2
100	Synthesis and biological activity of 5-hydroxy-4-quinolones and 5-methoxy-4-quinolones as truncated acridones. <i>Archives of Pharmacal Research</i> , 1998, 21, 445-451.	2.7	1
101	Initial preclinical safety of non-replicating human endogenous retrovirus envelope protein-coated baculovirus vector-based vaccines against human papillomavirus. <i>Journal of Applied Toxicology</i> , 2013, 33, 1474-1483.	1.4	1
102	Synthesis of Naturally Occurring Norlignan (\pm)-Nyasol. <i>Bulletin of the Korean Chemical Society</i> , 2013, 34, 1247-1249.	1.0	1