Jiyoun Lee

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/9009641/publications.pdf

Version: 2024-02-01

74 papers	2,230 citations	249298 26 h-index	274796 44 g-index
79 all docs	79 docs citations	79 times ranked	3534 citing authors

#	Article	IF	Citations
1	Nucleic acid recognition by Toll-like receptors is coupled to stepwise processing by cathepsins and asparagine endopeptidase. Journal of Experimental Medicine, 2011, 208, 643-651.	4.2	276
2	Target deconvolution techniques in modern phenotypic profiling. Current Opinion in Chemical Biology, 2013, 17, 118-126.	2.8	137
3	Functional Imaging of Legumain in Cancer Using a New Quenched Activity-Based Probe. Journal of the American Chemical Society, 2013, 135, 174-182.	6.6	131
4	N-(3-Acyloxy-2-benzylpropyl)-Nâ€˜-[4-(methylsulfonylamino)benzyl]thiourea Analogues:Â Novel Potent and High Affinity Antagonists and Partial Antagonists of the Vanilloid Receptor. Journal of Medicinal Chemistry, 2003, 46, 3116-3126.	2.9	110
5	High Affinity Antagonists of the Vanilloid Receptor. Molecular Pharmacology, 2002, 62, 947-956.	1.0	97
6	Targeted inhibition of Snail family zinc finger transcription factors by oligonucleotide-Co(III) Schiff base conjugate. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 13667-13672.	3.3	80
7	Development of Near-Infrared Fluorophore (NIRF)-Labeled Activity-Based Probes for in Vivo Imaging of Legumain. ACS Chemical Biology, 2010, 5, 233-243.	1.6	75
8	N-(3-acyloxy-2-benzylpropyl)-Nâ€²-(4-hydroxy-3-methoxybenzyl)thiourea derivatives as potent vanilloid receptor agonists and analgesics. Bioorganic and Medicinal Chemistry, 2001, 9, 19-32.	1.4	49
9	A Steroid-Conjugated Contrast Agent for Magnetic Resonance Imaging of Cell Signaling. Journal of the American Chemical Society, 2005, 127, 13164-13166.	6.6	45
10	Recent Advances in Organelle-Targeted Fluorescent Probes. Molecules, 2021, 26, 217.	1.7	43
11	Effect of side chain hydrophobicity and cationic charge on antimicrobial activity and cytotoxicity of helical peptoids. Bioorganic and Medicinal Chemistry Letters, 2018, 28, 170-173.	1.0	41
12	Synthesis and Biological Evaluation of Aryloxazole Derivatives as Antimitotic and Vascular-Disrupting Agents for Cancer Therapy. Journal of Medicinal Chemistry, 2013, 56, 9008-9018.	2.9	40
13	The Selective A3AR Antagonist LJ-1888 Ameliorates UUO-Induced Tubulointerstitial Fibrosis. American Journal of Pathology, 2013, 183, 1488-1497.	1.9	39
14	High-Affinity Partial Agonists of the Vanilloid Receptor. Molecular Pharmacology, 2003, 64, 325-333.	1.0	38
15	Mitochondrion-Targeting Peptides and Peptidomimetics: Recent Progress and Design Principles. Biochemistry, 2020, 59, 270-284.	1.2	37
16	Rational Design, Synthesis, and Biological Evaluation of Progesterone-Modified MRI Contrast Agents. Chemistry and Biology, 2007, 14, 824-834.	6.2	35
17	Coupling Protein Engineering with Probe Design To Inhibit and Image Matrix Metalloproteinases with Controlled Specificity. Journal of the American Chemical Society, 2013, 135, 9139-9148.	6.6	35
18	Structureâ€“activity relationship of human glutaminyl cyclase inhibitors having an N-(5-methyl-1H-imidazol-1-yl)propyl thiourea template. Bioorganic and Medicinal Chemistry, 2013, 21, 3821-3830.	1.4	33

#	Article	IF	Citations
19	Discovery of Potent Human Glutaminyl Cyclase Inhibitors as Anti-Alzheimerâ€™s Agents Based on Rational Design. Journal of Medicinal Chemistry, 2017, 60, 2573-2590.	2.9	33
20	Aminopropyl carbazole analogues as potent enhancers of neurogenesis. Bioorganic and Medicinal Chemistry, 2013, 21, 7165-7174.	1.4	30
21	Novel quinazoline-urea analogues as modulators for AÎ²-induced mitochondrial dysfunction: Design, synthesis, and molecular docking study. European Journal of Medicinal Chemistry, 2014, 84, 466-475.	2.6	30
22	Discovery of an Orally Bioavailable Benzofuran Analogue That Serves as a Î²-Amyloid Aggregation Inhibitor for the Potential Treatment of Alzheimerâ€™s Disease. Journal of Medicinal Chemistry, 2018, 61, 396-402.	2.9	30
23	N-4-Substituted-benzyl-Nâ€²-tert-butylbenzyl thioureas as vanilloid receptor ligands: investigation on the role of methanesulfonamido group in antagonistic activity. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 787-791.	1.0	29
24	Synthesis and evaluation of aza-peptidyl inhibitors of the lysosomal asparaginyl endopeptidase, legumain. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1340-1343.	1.0	28
25	Porphyrinâ€“Peptoid Conjugates: Face-to-Face Display of Porphyrins on Peptoid Helices. Organic Letters, 2013, 15, 1670-1673.	2.4	28
26	A 1,8-naphthalimide-based chemosensor for dual-mode sensing: colorimetric and fluorometric detection of multiple analytes. RSC Advances, 2016, 6, 84098-84105.	1.7	27
27	Discovery of 1-(3-(benzyloxy)pyridin-2-yl)-3-(2-(piperazin-1-yl)ethyl)urea: A new modulator for amyloid beta-induced mitochondrial dysfunction. European Journal of Medicinal Chemistry, 2017, 128, 56-69.	2.6	26
28	Discovery of benzimidazole derivatives as modulators of mitochondrial function: A potential treatment for Alzheimer's disease. European Journal of Medicinal Chemistry, 2017, 125, 1172-1192.	2.6	26
29	Mitochondria-Targeting Peptoids. Bioconjugate Chemistry, 2018, 29, 1669-1676.	1.8	26
30	Synthesis and evaluation of 2-(3-arylureido)pyridines and 2-(3-arylureido)pyrazines as potential modulators of AÎ²-induced mitochondrial dysfunction in Alzheimer's disease. European Journal of Medicinal Chemistry, 2018, 144, 529-543.	2.6	25
31	Helicity Modulation Improves the Selectivity of Antimicrobial Peptoids. ACS Infectious Diseases, 2020, 6, 2732-2744.	1.8	25
32	Mitochondrial drug targets in neurodegenerative diseases. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 714-720.	1.0	23
33	Design, synthesis, biological evaluation and molecular modelling of 2-(2-aryloxyphenyl)-1,4-dihydroisoquinolin-3(2 H)-ones: A novel class of TSPO ligands modulating amyloid-Î²-induced mPTP opening. European Journal of Pharmaceutical Sciences, 2017, 104, 366-381.	1.9	23
34	N-(3-Acyloxy-2-Benzylpropyl)-Nâ€²-Dihydroxytetrahydrobenzazepine and Tetrahydroisoquinoline Thiourea Analogues as Vanilloid Receptor Ligands. Bioorganic and Medicinal Chemistry, 2001, 9, 1713-1720.	1.4	22
35	Novel pyrimidoazepine analogs as serotonin 5-HT2A and 5-HT2C receptor ligands for the treatment of obesity. European Journal of Medicinal Chemistry, 2013, 63, 558-569.	2.6	20
36	Synthesis and evaluation of new pyridyl/pyrazinyl thiourea derivatives: Neuroprotection against amyloid-Î²-induced toxicity. European Journal of Medicinal Chemistry, 2017, 141, 322-334.	2.6	19

#	Article	IF	Citations
37	Discovery of non-peptidic small molecule inhibitors of cyclophilin D as neuroprotective agents in Aî²-induced mitochondrial dysfunction. Journal of Computer-Aided Molecular Design, 2017, 31, 929-941.	1.3	19
38	Potent human glutaminyl cyclase inhibitors as potential anti-Alzheimerâ€™s agents: Structure-activity relationship study of Arg-mimetic region. Bioorganic and Medicinal Chemistry, 2018, 26, 1035-1049.	1.4	19
39	3-Acyloxy-2-phenalkylpropyl amides and esters of homovanillic acid as novel vanilloid receptor agonists. Bioorganic and Medicinal Chemistry Letters, 1999, 9, 2909-2914.	1.0	17
40	Prostate tumor specific peptideâ€“peptoid hybrid prodrugs. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 2849-2852.	1.0	17
41	Mitochondrial dysfunction and Alzheimer's disease: prospects for therapeutic intervention. BMB Reports, 2020, 53, 47-55.	1.1	17
42	Discovery of (S)-4-isobutyloxazolidin-2-one as a novel leucyl-tRNA synthetase (LRS)-targeted mTORC1 inhibitor. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 3038-3041.	1.0	16
43	Discovery of a Small Molecule that Enhances Astrocytogenesis by Activation of STAT3, SMAD1/5/8, and ERK1/2 via Induction of Cytokines in Neural Stem Cells. ACS Chemical Neuroscience, 2016, 7, 90-99.	1.7	16
44	Discovery of simplified leucyladenylate sulfamates as novel leucyl-tRNA synthetase (LRS)-targeted mammalian target of rapamycin complex 1 (mTORC1) inhibitors. Bioorganic and Medicinal Chemistry, 2017, 25, 4145-4152.	1.4	16
45	Structure-activity relationship investigation of Phe-Arg mimetic region of human glutaminyl cyclase inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 3133-3144.	1.4	16
46	Discovery of Conformationally Restricted Human Glutaminyl Cyclase Inhibitors as Potent Anti-Alzheimerâ€™s Agents by Structure-Based Design. Journal of Medicinal Chemistry, 2019, 62, 8011-8027.	2.9	16
47	Synthesis and evaluation of oxime derivatives as modulators for amyloid beta-induced mitochondrial dysfunction. European Journal of Medicinal Chemistry, 2013, 62, 71-83.	2.6	15
48	Discovery of an Orally Bioavailable Gonadotropin-Releasing Hormone Receptor Antagonist. Journal of Medicinal Chemistry, 2016, 59, 9150-9172.	2.9	15
49	Discovery of Leucyladenylate Sulfamates as Novel Leucyl-tRNA Synthetase (LRS)-Targeted Mammalian Target of Rapamycin Complex 1 (mTORC1) Inhibitors. Journal of Medicinal Chemistry, 2016, 59, 10322-10328.	2.9	15
50	Phenolic Modification as an Approach to Improve the Pharmacology of the 3-Acyloxy-2-benzylpropyl Homovanillic Amides and Thioureas, a Promising Class of Vanilloid Receptor Agonists and Analgesics. Bioorganic and Medicinal Chemistry, 2002, 10, 1171-1179.	1.4	14
51	Analysis of structureâ€“activity relationships with the N-(3-acyloxy-2-benzylpropyl)-Nâ€²-[4-(methylsulfonylamino)benzyl]thiourea template for vanilloid receptor 1 antagonism. Bioorganic and Medicinal Chemistry, 2004, 12, 3411-3420.	1.4	14
52	Analysis of structureâ€“activity relationships for the â€˜B-regionâ€™ of N-(4-t-butylbenzyl)-Nâ€²-[4-(methylsulfonylamino)benzyl]-thiourea analogues as TRPV1 antagonists. Bioorganic and Medicinal Chemistry Letters, 2005, 15, 4143-4150.	1.0	14
53	Analysis of structureâ€“activity relationships for the â€˜B-regionâ€™ of N -(3-acyloxy-2-benzylpropyl)- N â€² -[4-(methylsulfonylamino)benzyl]thiourea analogues as vanilloid receptor antagonists: discovery of an N -hydroxythiourea analogue with potent analgesic activity. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 2291-2297.	1.0	13
54	Discovery and biological evaluation of tetrahydrothieno[2,3-c]pyridine derivatives as selective metabotropic glutamate receptor 1 antagonists for the potential treatment of neuropathic pain. European Journal of Medicinal Chemistry, 2015, 97, 245-258.	2.6	13

#	Article	IF	Citations
55	Development of a smart activity-based probe to detect subcellular activity of asparaginyl endopeptidase in living cells. Organic and Biomolecular Chemistry, 2017, 15, 8018-8022.	1.5	13
56	Discovery of 2-aryloxy-4-amino-quinazoline derivatives as novel protease-activated receptor 2 (PAR2) antagonists. Bioorganic and Medicinal Chemistry, 2015, 23, 7717-7727.	1.4	12
57	6-Phenoxy-2-phenylbenzoxazoles, novel inhibitors of receptor for advanced glycation end products (RAGE). Bioorganic and Medicinal Chemistry, 2015, 23, 4919-4935.	1.4	11
58	Discovery of novel leucyladenylate sulfamate surrogates as leucyl-tRNA synthetase (LRS)-targeted mammalian target of rapamycin complex 1 (mTORC1) inhibitors. Bioorganic and Medicinal Chemistry, 2018, 26, 4073-4079.	1.4	11
59	Pyrazinyl ureas revisited: 1-(3-(Benzyloxy)pyrazin-2-yl)-3-(3,4-dichlorophenyl)urea, a new blocker of AÎ²-induced mPTP opening for Alzheimer's disease. European Journal of Medicinal Chemistry, 2018, 157, 268-278.	2.6	10
60	The translocator protein ligands as mitochondrial functional modulators for the potential anti-Alzheimer agents. Journal of Enzyme Inhibition and Medicinal Chemistry, 2021, 36, 831-846.	2.5	10
61	Structureâ€“activity relationships of simplified resiniferatoxin analogues with potent VR1 agonism elucidates an active conformation of RTX for VR1 binding. Bioorganic and Medicinal Chemistry, 2004, 12, 1055-1069.	1.4	9
62	Synthesis and biological evaluation of aryl isoxazole derivatives as metabotropic glutamate receptor 1 antagonists: A potential treatment for neuropathic pain. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1324-1328.	1.0	7
63	Activity-Based Probes for the High Temperature Requirement A Serine Proteases. ACS Chemical Biology, 2020, 15, 2346-2354.	1.6	7
64	Discovery of highly potent human glutaminyl cyclase (QC) inhibitors as anti-Alzheimer's agents by the combination of pharmacophore-based and structure-based design. European Journal of Medicinal Chemistry, 2021, 226, 113819.	2.6	7
65	A Facile and Practical Synthesis of Capsazepine, a Vanilloid Receptor Antagonist. Synthetic Communications, 1999, 29, 4127-4140.	1.1	6
66	Discovery of thienopyrrolotriazine derivatives to protect mitochondrial function against AÎ²-induced neurotoxicity. European Journal of Medicinal Chemistry, 2017, 141, 240-256.	2.6	6
67	Structure-activity relationship of leucyladenylate sulfamate analogues as leucyl-tRNA synthetase (LRS)-targeting inhibitors of Mammalian target of rapamycin complex 1 (mTORC1). Bioorganic and Medicinal Chemistry, 2019, 27, 1099-1109.	1.4	6
68	The SAR analysis of TRPV1 agonists with the Î±-methylated B-region. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 5227-5231.	1.0	5
69	Synthesis and biological evaluation of 3-(2-aminoethyl) uracil derivatives as gonadotropin-releasing hormone (GnRH) receptor antagonists. European Journal of Medicinal Chemistry, 2018, 145, 413-424.	2.6	5
70	A Turnâ€On Fluorescent Probe for Liveâ€Cell Imaging of Biothiols. Bulletin of the Korean Chemical Society, 2018, 39, 425-426.	1.0	4
71	Pyridyl-urea Derivatives as Blockers of AÎ²-induced mPTP Opening for Alzheimer's Disease. Bulletin of the Korean Chemical Society, 2012, 33, 3887-3888.	1.0	3
72	Cobalt (III) Complexes as Novel Matrix Metalloproteinase-9 Inhibitors. Bulletin of the Korean Chemical Society, 2012, 33, 2762-2764.	1.0	3

#	Article	IF	Citations
73	Thiopheneâ€substituted Azaâ€<scp>BODIPY</scp>s as Nearâ€Infrared Fluorophores. Bulletin of the Korean Chemical Society, 2015, 36, 1747-1748.	1.0	1
74	Synthesis and structureâ€activity relationship of mitochondriaâ€targeting peptoids with varying hydrophobicity and cationic charge. Peptide Science, 0, , e24239.	1.0	1