Minseob Koh

List of Publications by Year
in descending order

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37 papers	1,744 citations	331538 21 h-index	315616 38 g-index
42 all docs	42 docs citations	42 times ranked	2576 citing authors

#	Article	IF	Citations
1	Fluorescent probe for detection of fluoride in water and bioimaging in A549 human lung carcinoma cells. Chemical Communications, 2009, , 4735.	2.2	195
2	Emission Wavelength Prediction of a Full-Color-Tunable Fluorescent Core Skeleton, 9-Aryl-1,2-dihydropyrrolo[3,4-b]indolizin-3-one. Journal of the American Chemical Society, 2011, 133, 6642-6649.	6.6	177
3	Combinatorial Discovery of Full-Color-Tunable Emissive Fluorescent Probes Using a Single Core Skeleton, 1,2-Dihydropyrrolo[3,4-Î²]indolizin-3-one. Journal of the American Chemical Society, 2008, 130, 12206-12207.	6.6	139
4	Inverse agonist of estrogen-related receptor Î³ controls Salmonella typhimurium infection by modulating host iron homeostasis. Nature Medicine, 2014, 20, 419-424.	15.2	127
5	Orphan Nuclear Receptor Estrogen-Related Receptor Î³ (ERRÎ³) Is Key Regulator of Hepatic Gluconeogenesis. Journal of Biological Chemistry, 2012, 287, 21628-21639.	1.6	113
6	A Novel Non-agonist Peroxisome Proliferator-activated Receptor Î³ (PPARÎ³) Ligand UHC1 Blocks PPARÎ³ Phosphorylation by Cyclin-dependent Kinase 5 (CDK5) and Improves Insulin Sensitivity. Journal of Biological Chemistry, 2014, 289, 26618-26629.	1.6	81
7	Diversity-Oriented Synthesis of Privileged Benzopyranyl Heterocycles from s-cis-Enones. Journal of Organic Chemistry, 2008, 73, 1752-1761.	1.7	75
8	Estrogen-related Receptor Î³ (ERRÎ³) Is a Novel Transcriptional Regulator of Phosphatidic Acid Phosphatase, LIPIN1, and Inhibits Hepatic Insulin Signaling. Journal of Biological Chemistry, 2011, 286, 38035-38042.	1.6	70
9	Inverse Agonist of Nuclear Receptor ERRÎ³ Mediates Antidiabetic Effect Through Inhibition of Hepatic Gluconeogenesis. Diabetes, 2013, 62, 3093-3102.	0.3	67
10	Estrogen-related receptor Î³ controls hepatic CB₁receptor-mediated CYP2E1 expression and oxidative liver injury by alcohol. Gut, 2013, 62, 1044-1054.	6.1	64
11	2-Sulfonylpyridines as Tunable, Cysteine-Reactive Electrophiles. Journal of the American Chemical Society, 2020, 142, 8972-8979.	6.6	64
12	Investigation of Specific Binding Proteins to Photoaffinity Linkers for Efficient Deconvolution of Target Protein. ACS Chemical Biology, 2016, 11, 44-52.	1.6	59
13	Biomimetic Asymmetric Total Synthesis of (â^')-Laurefucin via an Organoselenium-Mediated Intramolecular Hydroxyetherification. Journal of the American Chemical Society, 2008, 130, 16807-16811.	6.6	53
14	A novel small-molecule agonist of PPAR-Î³ potentiates an anti-inflammatory M2 glial phenotype. Neuropharmacology, 2016, 109, 159-169.	2.0	41
15	Structural basis for differential activities of enantiomeric PPARÎ³ agonists: Binding of S35 to the alternate site. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2017, 1865, 674-681.	1.1	40
16	Diastereoselective Synthesis of Polycyclic Acetal-Fused Pyrano[3,2-c]pyran-5(2H)-one Derivatives. Journal of Organic Chemistry, 2009, 74, 2171-2174.	1.7	36
17	Efficient Parallel Synthesis of Privileged Benzopyranylpyrazoles via Regioselective Condensation of Î²-Keto Aldehydes with Hydrazines. ACS Combinatorial Science, 2009, 11, 315-326.	3.3	33
18	A short ORF-encoded transcriptional regulator. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	33

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19	Efficient Discovery of Selective Small Molecule Agonists of Estrogen-Related Receptor Î³ using Combinatorial Approach. ACS Combinatorial Science, 2009, 11, 928-937.	3.3	30
20	From noncovalent to covalent bonds: a paradigm shift in target protein identification. Molecular BioSystems, 2013, 9, 544.	2.9	28
21	Site-Specific Incorporation of a Thioester Containing Amino Acid into Proteins. ACS Chemical Biology, 2018, 13, 578-581.	1.6	23
22	Construction of Polyheterocyclic Benzopyran Library with Diverse Core Skeletons through Diversity-Oriented Synthesis Pathway: Part II. ACS Combinatorial Science, 2012, 14, 124-134.	3.8	22
23	A Synthetic Route to Highly Substituted 1,2,3,4â€Tetrahydroisoquinolines via Yb(OTf)‹sub›3‹/sub›â€Catalyzed Diastereoselective Ring Opening of Bridged Oxazolidines: Asymmetric Synthesis of 2â€Azapodophyllotoxin. Chemistry - A European Journal, 2011, 17, 4905-4913.	1.7	21
24	Enhanced efficacy of 7-hydroxy-3-methoxycadalene via glycosylation in in vivo xenograft study. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 6335-6339.	1.0	19
25	Phenotypic Screening to Identify Smallâ€Molecule Enhancers for Glucose Uptake: Target Identification and Rational Optimization of Their Efficacy. Angewandte Chemie - International Edition, 2014, 53, 5102-5106.	7.2	18
26	Generation of an Orthogonal Proteinâ€“Protein Interface with a Noncanonical Amino Acid. Journal of the American Chemical Society, 2017, 139, 5728-5731.	6.6	18
27	A General Strategy for Engineering Noncanonical Amino Acid Dependent Bacterial Growth. Journal of the American Chemical Society, 2019, 141, 16213-16216.	6.6	15
28	Recent Advances in Fluorescence Imaging by Genetically Encoded Non-canonical Amino Acids. Journal of Molecular Biology, 2022, 434, 167248.	2.0	15
29	Expanding the genetic code of the human hematopoietic system. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 8845-8849.	3.3	14
30	Computer-aided design and synthesis of tetra-aryl-substituted alkenes and their bioevaluation as a selective modulator of estrogen-related receptor Î³. Molecular Diversity, 2011, 15, 69-81.	2.1	11
31	Total synthesis of eryvarin H and its derivatives and their biological activity as ERRÎ³ inverse agonist. Organic and Biomolecular Chemistry, 2013, 11, 5782.	1.5	10
32	An orthogonal seryl-tRNA synthetase/tRNA pair for noncanonical amino acid mutagenesis in Escherichia coli. Bioorganic and Medicinal Chemistry, 2020, 28, 115662.	1.4	10
33	Ratiometric analysis of zidovudine (ZDV) incorporation by reverse transcriptases or polymerases via bio-orthogonal click chemistry. Chemical Communications, 2011, 47, 7614.	2.2	8
34	Site-Specific Incorporation of a Dithiolane Containing Amino Acid into Proteins. Bioconjugate Chemistry, 2019, 30, 2102-2105.	1.8	5
35	Site-Specific Synthesis of Cysteine-Bridged Glycoproteins via Expressed Protein Glycoligation. Bioconjugate Chemistry, 2020, 31, 2362-2366.	1.8	3
36	Progress toward a reduced phage genetic code. Bioorganic and Medicinal Chemistry, 2018, 26, 5247-5252.	1.4	2

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37	RÃ¼cktitelbild: Phenotypic Screening to Identify Small-Molecule Enhancers for Glucose Uptake: Target Identification and Rational Optimization of Their Efficacy (Angew. Chem. 20/2014). Angewandte Chemie, 2014, 126, 5316-5316.	1.6	0