

Minseob Koh

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,744
citations

331538

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38
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42
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42
docs citations

42
times ranked

2576
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|------|-----------|
| 1 | Recent Advances in Fluorescence Imaging by Genetically Encoded Non-canonical Amino Acids. <i>Journal of Molecular Biology</i> , 2022, 434, 167248. | 2.0 | 15 |
| 2 | A short ORF-encoded transcriptional regulator. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, . | 3.3 | 33 |
| 3 | An orthogonal seryl-tRNA synthetase/tRNA pair for noncanonical amino acid mutagenesis in <i>Escherichia coli</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2020, 28, 115662. | 1.4 | 10 |
| 4 | Site-Specific Synthesis of Cysteine-Bridged Glycoproteins via Expressed Protein Glycoligation. <i>Bioconjugate Chemistry</i> , 2020, 31, 2362-2366. | 1.8 | 3 |
| 5 | Expanding the genetic code of the human hematopoietic system. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 8845-8849. | 3.3 | 14 |
| 6 | 2-Sulfonylpyridines as Tunable, Cysteine-Reactive Electrophiles. <i>Journal of the American Chemical Society</i> , 2020, 142, 8972-8979. | 6.6 | 64 |
| 7 | Site-Specific Incorporation of a Dithiolane Containing Amino Acid into Proteins. <i>Bioconjugate Chemistry</i> , 2019, 30, 2102-2105. | 1.8 | 5 |
| 8 | A General Strategy for Engineering Noncanonical Amino Acid Dependent Bacterial Growth. <i>Journal of the American Chemical Society</i> , 2019, 141, 16213-16216. | 6.6 | 15 |
| 9 | Progress toward a reduced phage genetic code. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 5247-5252. | 1.4 | 2 |
| 10 | Site-Specific Incorporation of a Thioester Containing Amino Acid into Proteins. <i>ACS Chemical Biology</i> , 2018, 13, 578-581. | 1.6 | 23 |
| 11 | Generation of an Orthogonal Protein-Protein Interface with a Noncanonical Amino Acid. <i>Journal of the American Chemical Society</i> , 2017, 139, 5728-5731. | 6.6 | 18 |
| 12 | Structural basis for differential activities of enantiomeric PPAR β agonists: Binding of S35 to the alternate site. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2017, 1865, 674-681. | 1.1 | 40 |
| 13 | A novel small-molecule agonist of PPAR β potentiates an anti-inflammatory M2 glial phenotype. <i>Neuropharmacology</i> , 2016, 109, 159-169. | 2.0 | 41 |
| 14 | Investigation of Specific Binding Proteins to Photoaffinity Linkers for Efficient Deconvolution of Target Protein. <i>ACS Chemical Biology</i> , 2016, 11, 44-52. | 1.6 | 59 |
| 15 | Inverse agonist of estrogen-related receptor β controls <i>Salmonella typhimurium</i> infection by modulating host iron homeostasis. <i>Nature Medicine</i> , 2014, 20, 419-424. | 15.2 | 127 |
| 16 | Phenotypic Screening to Identify Small-Molecule Enhancers for Glucose Uptake: Target Identification and Rational Optimization of Their Efficacy. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 5102-5106. | 7.2 | 18 |
| 17 | A Novel Non-agonist Peroxisome Proliferator-activated Receptor β (PPAR β) Ligand UHC1 Blocks PPAR β Phosphorylation by Cyclin-dependent Kinase 5 (CDK5) and Improves Insulin Sensitivity. <i>Journal of Biological Chemistry</i> , 2014, 289, 26618-26629. | 1.6 | 81 |
| 18 | Phenotypic Screening to Identify Small-Molecule Enhancers for Glucose Uptake: Target Identification and Rational Optimization of Their Efficacy (<i>Angew. Chem.</i> 20/2014). <i>Angewandte Chemie</i> , 2014, 126, 5316-5316. | 1.6 | 0 |

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|----|---|-----|-----------|
| 19 | Inverse Agonist of Nuclear Receptor ERR β Mediates Antidiabetic Effect Through Inhibition of Hepatic Gluconeogenesis. <i>Diabetes</i> , 2013, 62, 3093-3102. | 0.3 | 67 |
| 20 | Total synthesis of eryvarin H and its derivatives and their biological activity as ERR β inverse agonist. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5782. | 1.5 | 10 |
| 21 | Estrogen-related receptor β controls hepatic CB ₁ receptor-mediated CYP2E1 expression and oxidative liver injury by alcohol. <i>Gut</i> , 2013, 62, 1044-1054. | 6.1 | 64 |
| 22 | From noncovalent to covalent bonds: a paradigm shift in target protein identification. <i>Molecular BioSystems</i> , 2013, 9, 544. | 2.9 | 28 |
| 23 | Orphan Nuclear Receptor Estrogen-Related Receptor β (ERR β) Is Key Regulator of Hepatic Gluconeogenesis. <i>Journal of Biological Chemistry</i> , 2012, 287, 21628-21639. | 1.6 | 113 |
| 24 | Construction of Polyheterocyclic Benzopyran Library with Diverse Core Skeletons through Diversity-Oriented Synthesis Pathway: Part II. <i>ACS Combinatorial Science</i> , 2012, 14, 124-134. | 3.8 | 22 |
| 25 | Ratiometric analysis of zidovudine (ZDV) incorporation by reverse transcriptases or polymerases via bio-orthogonal click chemistry. <i>Chemical Communications</i> , 2011, 47, 7614. | 2.2 | 8 |
| 26 | Emission Wavelength Prediction of a Full-Color-Tunable Fluorescent Core Skeleton, 9-Aryl-1,2-dihydropyrrolo[3,4- <i>b</i>]indolizin-3-one. <i>Journal of the American Chemical Society</i> , 2011, 133, 6642-6649. | 6.6 | 177 |
| 27 | Computer-aided design and synthesis of tetra-aryl-substituted alkenes and their bioevaluation as a selective modulator of estrogen-related receptor β . <i>Molecular Diversity</i> , 2011, 15, 69-81. | 2.1 | 11 |
| 28 | A Synthetic Route to Highly Substituted 1,2,3,4-tetrahydroisoquinolines via Yb(OTf) ₃ -Catalyzed Diastereoselective Ring Opening of Bridged Oxazolidines: Asymmetric Synthesis of 2-azapodophyllotoxin. <i>Chemistry - A European Journal</i> , 2011, 17, 4905-4913. | 1.7 | 21 |
| 29 | Estrogen-related Receptor β (ERR β) Is a Novel Transcriptional Regulator of Phosphatidic Acid Phosphatase, LIPIN1, and Inhibits Hepatic Insulin Signaling. <i>Journal of Biological Chemistry</i> , 2011, 286, 38035-38042. | 1.6 | 70 |
| 30 | Efficient Discovery of Selective Small Molecule Agonists of Estrogen-Related Receptor β using Combinatorial Approach. <i>ACS Combinatorial Science</i> , 2009, 11, 928-937. | 3.3 | 30 |
| 31 | Efficient Parallel Synthesis of Privileged Benzopyranylpyrazoles via Regioselective Condensation of β -Keto Aldehydes with Hydrazines. <i>ACS Combinatorial Science</i> , 2009, 11, 315-326. | 3.3 | 33 |
| 32 | Diastereoselective Synthesis of Polycyclic Acetal-Fused Pyrano[3,2- <i>c</i>]pyran-5(2- <i>H</i>)-one Derivatives. <i>Journal of Organic Chemistry</i> , 2009, 74, 2171-2174. | 1.7 | 36 |
| 33 | Fluorescent probe for detection of fluoride in water and bioimaging in A549 human lung carcinoma cells. <i>Chemical Communications</i> , 2009, , 4735. | 2.2 | 195 |
| 34 | Combinatorial Discovery of Full-Color-Tunable Emissive Fluorescent Probes Using a Single Core Skeleton, 1,2-Dihydropyrrolo[3,4- β]indolizin-3-one. <i>Journal of the American Chemical Society</i> , 2008, 130, 12206-12207. | 6.6 | 139 |
| 35 | Biomimetic Asymmetric Total Synthesis of (β)-Laurefucin via an Organoselenium-Mediated Intramolecular Hydroxyetherification. <i>Journal of the American Chemical Society</i> , 2008, 130, 16807-16811. | 6.6 | 53 |
| 36 | Diversity-Oriented Synthesis of Privileged Benzopyranyl Heterocycles from <i>s</i> - <i>cis</i> -Enones. <i>Journal of Organic Chemistry</i> , 2008, 73, 1752-1761. | 1.7 | 75 |

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|----|---|-----|-----------|
| 37 | Enhanced efficacy of 7-hydroxy-3-methoxycadalene via glycosylation in in vivo xenograft study. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 6335-6339. | 1.0 | 19 |