

# Yoshihiro Natori

## List of Publications by Year in descending order

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32  
papers

703  
citations

687220

13  
h-index

552653

26  
g-index

40  
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40  
docs citations

40  
times ranked

813  
citing authors

#	ARTICLE	IF	CITATIONS
1	Asymmetric Synthesis of Neolignans ( $\alpha^*$ )- <i>epi</i> -Conocarpan and (+)-Conocarpan via Rh(II)-Catalyzed C-H Insertion Process and Revision of the Absolute Configuration of ( $\alpha^*$ )- <i>epi</i> -Conocarpan. <i>Journal of Organic Chemistry</i> , 2009, 74, 4418-4421.	1.7	86
2	$\hat{\pm}$ -1-C-Butyl-1,4-dideoxy-1,4-imino- <i>l</i> -arabinitol as a Second-Generation Iminosugar-Based Oral $\hat{\pm}$ -Glucosidase Inhibitor for Improving Postprandial Hyperglycemia. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10347-10362.	2.9	72
3	Catalytic enantioselective C-H functionalization of indoles with $\hat{\pm}$ -diazopropionates using chiral dirhodium(II) carboxylates: asymmetric synthesis of the (+)- $\hat{\pm}$ -methyl-3-indolylacetic acid fragment of acremoauxin A. <i>Tetrahedron: Asymmetry</i> , 2011, 22, 907-915.	1.8	62
4	Conjugate vaccine produces long-lasting attenuation of fentanyl vs. food choice and blocks expression of opioid withdrawal-induced increases in fentanyl choice in rats. <i>Neuropsychopharmacology</i> , 2019, 44, 1681-1689.	2.8	56
5	Docking study and biological evaluation of pyrrolidine-based iminosugars as pharmacological chaperones for Gaucher disease. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1039-1048.	1.5	46
6	Efficacious Vaccine against Heroin Contaminated with Fentanyl. <i>ACS Chemical Neuroscience</i> , 2018, 9, 1269-1275.	1.7	44
7	The synthesis and biological evaluation of 1-C-alkyl- <i>l</i> -arabinoiminofuranoses, a novel class of $\hat{\pm}$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 738-741.	1.0	39
8	Catalytic asymmetric synthesis of ( $\alpha^*$ )- $\hat{\pm}$ -viniferin via an intramolecular C-H insertion of diaryldiazomethane using Rh <sub>2</sub> (S-TFPTTL) <sub>4</sub> . <i>Tetrahedron Letters</i> , 2015, 56, 4324-4327.	0.7	31
9	Improved Admixture Vaccine of Fentanyl and Heroin Hapten Immunoconjugates: Antinociceptive Evaluation of Fentanyl-Contaminated Heroin. <i>ACS Omega</i> , 2018, 3, 11537-11543.	1.6	31
10	Enantioselective Synthesis of 3-Arylindan-1-ones via Intramolecular C-H Insertion Reactions of $\hat{\pm}$ -Diazo- $\hat{\pm}$ -Ketoesters Catalyzed by Chiral Dirhodium(II) Carboxylates. <i>Heterocycles</i> , 2006, 70, 635.	0.4	26
11	Homeostatic and pathogenic roles of <i>GM3</i> ganglioside molecular species in <i>TLR4</i> signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	3.5	25
12	Asymmetric synthesis of 2,5-disubstituted 3-hydroxypyrrolidines based on stereodivergent intramolecular iridium-catalyzed allylic aminations. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1983.	1.5	23
13	A chemically contiguous hapten approach for a heroin-fentanyl vaccine. <i>Beilstein Journal of Organic Chemistry</i> , 2019, 15, 1020-1031.	1.3	22
14	A Highly Efficacious Carfentanil Vaccine That Blunts Opioid-Induced Antinociception and Respiratory Depression. <i>ACS Chemical Biology</i> , 2021, 16, 277-282.	1.6	16
15	Synthesis of 5-thiodidehydropyranylcytosine derivatives as potential anti-HIV agents. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 3313-3316.	1.0	12
16	Synthesis and biological evaluation of $\hat{\pm}$ -1-C- $\hat{\pm}$ -arylbutyl- <i>l</i> -arabinoiminofuranoses, a new class of $\hat{\pm}$ -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3298-3301.	1.0	10
17	Strategy for Designing Selective Lysosomal Acid $\hat{\pm}$ -Glucosidase Inhibitors: Binding Orientation and Influence on Selectivity. <i>Molecules</i> , 2020, 25, 2843.	1.7	10
18	A New Route to N1-Substituted Uracil Derivatives Using Hypervalent Iodine. <i>Synthesis</i> , 2012, 44, 1163-1170.	1.2	9

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19	ASYMMETRIC SYNTHESIS OF 1-ALKYL-2-DEOXYIMINOFURANOSES VIA THE IRIIDIUM-CATALYZED INTRAMOLECULAR CYCLIZATION OF AN ALLYLIC CARBONATE. <i>Heterocycles</i> , 2012, 86, 1401.	0.4	9
20	Design and synthesis of a nucleoside and a phosphonate analogue constructed on a branched-threo-tetrofuranose skeleton. <i>Tetrahedron Letters</i> , 2013, 54, 3949-3952.	0.7	9
21	Efficient Syntheses of Cocaine Vaccines and Their <i>in Vivo</i> Evaluation. <i>ACS Medicinal Chemistry Letters</i> , 2018, 9, 411-416.	1.3	9
22	Palladium-Catalyzed Three-Component Coupling of Ynamides. <i>Organic Letters</i> , 2020, 22, 5299-5303.	2.4	8
23	Palladium-Catalyzed Regioselective Hydroarylation of Ynamides with Aryl Iodides: Easy Synthesis of Various Substituted Enamides Containing Stilbene Derivatives. <i>Synlett</i> , 2017, 28, 2135-2138.	1.0	7
24	Synthesis of 4 $\beta$ -Thionucleosides as Antitumor and Antiviral Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 139-146.	0.6	7
25	Glycosylation reactions mediated by hypervalent iodine: application to the synthesis of nucleosides and carbohydrates. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1595-1618.	1.3	7
26	Development of Stereoselective Synthesis of Biologically Active Nitrogen-heterocyclic Compounds: Applications for Syntheses of Natural Product and Organocatalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 335-349.	0.0	7
27	Synthesis of a Dihydropyranonucleoside Using an Oxidative Glycosylation Reaction Mediated by Hypervalent Iodine. <i>Synthesis</i> , 2014, 46, 879-886.	1.2	6
28	Synthesis and Properties of 4 $\beta$ -ThioLNA/BNA. <i>Organic Letters</i> , 2021, 23, 4062-4066.	2.4	6
29	Catalytic asymmetric synthesis of stereoisomers of 1-C-n-butyl-LABs for the SAR study of $\beta$ -glucosidase inhibition. <i>Tetrahedron</i> , 2019, 75, 2866-2876.	1.0	4
30	Practical Synthesis of 4 $\beta$ -Thioribonucleosides from $\beta$ -D-Arabinose via Novel Reductive Ring Contraction Reaction and Pummerer-Type Thioglycosylation. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2017, 71, 1.43.1-1.43.12.	0.5	1
31	Synthesis of 2 $\beta$ -aminouridine derivatives as an organocatalyst for Diels-Alder reaction. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 365-383.	0.4	1
32	Synthesis of Drug Vaccine against Heroin Contaminated with Fentanyl and Their Biological Evaluation. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2020, 78, 875-885.	0.0	0