

# Mitsuhiro Nakamura

## List of Publications by Year in descending order

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39  
papers

1,194  
citations

516710

16  
h-index

377865

34  
g-index

42  
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42  
docs citations

42  
times ranked

1707  
citing authors

#	ARTICLE	IF	CITATIONS
1	Enzymatic conversion of dehydrocoelenterazine to coelenterazine using FMN-bound flavin reductase of NAD(P)H:FMN oxidoreductase. <i>Biochemical and Biophysical Research Communications</i> , 2022, 587, 24-28.	2.1	3
2	Formation of Coelenteramine from 2- $\beta$ -Peroxycoelenterazine in the $\text{Ca}^{2+}$ -Binding Photoprotein Aequorin. <i>Photochemistry and Photobiology</i> , 2022, 98, 1068-1076.	2.5	6
3	Efficient conversion to Cypridina luciferin from Cypridina luciferyl sulfate, coupled with enzymatic sulfation of acetic acid. <i>Biochemical and Biophysical Research Communications</i> , 2020, 529, 678-684.	2.1	1
4	Identification of a novel oxidation product from yellow fluorophore in the complex of apoPholasin and dehydrocoelenterazine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 127435.	2.2	3
5	Expression, purification, and characterization of recombinant apoPholasin. <i>Protein Expression and Purification</i> , 2020, 171, 105615.	1.3	8
6	A novel yellow fluorescent protein of recombinant apoPholasin with dehydrocoelenterazine. <i>Biochemical and Biophysical Research Communications</i> , 2020, 526, 404-409.	2.1	4
7	Enzymatic Conversion of Cypridina Luciferyl Sulfate to Cypridina Luciferin with Coenzyme A as a Sulfate Acceptor in <i>Cypridina (Vargula) hilgendorffii</i> . <i>Photochemistry and Photobiology</i> , 2019, 95, 1376-1386.	2.5	6
8	Design and synthesis of a potent inhibitor of class 1 DYRK kinases as a suppressor of adipogenesis. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4434-4441.	3.0	26
9	Stimulation of Phosphorylation of ERK and CREB by Phellopterin and Auraptene Isolated from <i>Citrus junos</i> . <i>Natural Product Communications</i> , 2014, 9, 1934578X1400901.	0.5	2
10	Identification of 3-enol sulfate of Cypridina luciferin, Cypridina luciferyl sulfate, in the sea-firefly <i>Cypridina (Vargula) hilgendorffii</i> . <i>Tetrahedron</i> , 2014, 70, 2161-2168.	1.9	18
11	Development of simple firefly luciferin analogs emitting blue, green, red, and near-infrared biological window light. <i>Tetrahedron</i> , 2013, 69, 3847-3856.	1.9	105
12	Synthesis of manzacidin A and C: efficient construction of quaternary carbon stereocenters bearing nitrogen substituents. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 614-622.	2.8	29
13	Radical Scavenging Activity of Spring Mountain Herbs in the Shikoku Mountain Area and Identification of Antiradical Constituents by Simple HPLC Detection and LC-MS Methods. <i>Bioscience, Biotechnology and Biochemistry</i> , 2012, 76, 705-711.	1.3	4
14	Asymmetric Synthesis of (+)-Geranylinaloisocyanide: Assignment of Absolute Stereochemistry. <i>Organic Letters</i> , 2011, 13, 2520-2523.	4.6	25
15	Structure and Function of the Oxidation Products of Polyphenols and Identification of Potent Lipoxygenase Inhibitors from Fe-Catalyzed Oxidation of Resveratrol. <i>Journal of Agricultural and Food Chemistry</i> , 2011, 59, 8180-8186.	5.2	41
16	A novel ring-expanded product with enhanced tyrosinase inhibitory activity from classical Fe-catalyzed oxidation of rosmarinic acid, a potent antioxidative Lamiaceae polyphenol. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 7393-7396.	2.2	18
17	Identification of Cytotoxic Dimers in Oxidation Product from Sesamol, a Potent Antioxidant of Sesame Oil. <i>Journal of Agricultural and Food Chemistry</i> , 2010, 58, 10880-10885.	5.2	13
18	DSIF, the Paf1 complex, and Tat-SF1 have nonredundant, cooperative roles in RNA polymerase II elongation. <i>Genes and Development</i> , 2009, 23, 2765-2777.	5.9	95

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19	Distinction of sialyl anomers on ESI- and FAB-MS/MS: Stereo-specific fragmentations. <i>Journal of the American Society for Mass Spectrometry</i> , 2009, 20, 394-397.	2.8	13
20	A general mechanism for transcription regulation by Oct1 and Oct4 in response to genotoxic and oxidative stress. <i>Genes and Development</i> , 2009, 23, 208-222.	5.9	111
21	Development of a chemical screening system using aequorin-fused protein. <i>Biochemical and Biophysical Research Communications</i> , 2008, 368, 600-605.	2.1	3
22	Polymer Particles as the Carrier for Affinity Purification. <i>Kobunshi Ronbunshu</i> , 2007, 64, 9-20.	0.2	1
23	Stereoisomeric bio-inversion key to biosynthesis of firefly-luciferin. <i>FEBS Letters</i> , 2006, 580, 5283-5287.	2.8	47
24	Construction of a new firefly bioluminescence system using l-luciferin as substrate. <i>Tetrahedron Letters</i> , 2006, 47, 1197-1200.	1.4	16
25	Bioluminescence in the Limpet-Like Snail, <i>Latia neritoides</i> . <i>Bulletin of the Chemical Society of Japan</i> , 2005, 78, 1197-1205.	3.2	25
26	Bioluminescence activity of <i>Latia</i> luciferin analogues: replacement of the 2,6,6-trimethylcyclohexene ring onto the methyl-substituted phenyl groups. <i>Tetrahedron Letters</i> , 2005, 46, 53-56.	1.4	7
27	Bioluminescence in the Limpet-Like Snail, <i>Latia neritoides</i> . <i>ChemInform</i> , 2005, 36, no.	0.0	0
28	Novel Relationship between the Antifungal Activity and Cytotoxicity of Marine-Derived Metabolite Xestoquinone and Its Family. <i>Bioscience, Biotechnology and Biochemistry</i> , 2005, 69, 1749-1752.	1.3	16
29	Firefly luciferase exhibits bimodal action depending on the luciferin chirality. <i>Biochemical and Biophysical Research Communications</i> , 2005, 331, 471-475.	2.1	44
30	Characterization of [1-13C]-Specifically Labeled Amino Acids Using ESIMS/MS in the Selected Reaction Monitoring Mode. <i>Journal of the Mass Spectrometry Society of Japan</i> , 2005, 53, 309-314.	0.1	1
31	Effects of modification at the fifth residue of mu-conotoxin GIIIA with bulky tags on the electrically stimulated contraction of the rat diaphragm. <i>Chemical Biology and Drug Design</i> , 2004, 64, 110-117.	1.1	5
32	Synthesis of <i>Latia</i> luciferin benzoate analogues and their bioluminescent activity. <i>Tetrahedron Letters</i> , 2004, 45, 2203-2205.	1.4	7
33	Identification of biotinylated lysine residues in the photoprotein aequorin by matrix-assisted laser desorption/ionization time-of-flight mass spectrometry peptide mapping after lysine-specific endopeptidase digestion. <i>Analytical Biochemistry</i> , 2003, 316, 216-222.	2.4	25
34	Synthesis of biotinylated xestoquinone that retains inhibitory activity against Ca <sup>2+</sup> ATPase of skeletal muscle myosin. <i>Bioorganic and Medicinal Chemistry</i> , 2003, 11, 3077-3082.	3.0	16
35	Accumulation of anchored proteins forms membrane diffusion barriers during neuronal polarization. <i>Nature Cell Biology</i> , 2003, 5, 626-632.	10.3	324
36	Thiolation of Protein-bound Carcinogenic Aldehyde. <i>Journal of Biological Chemistry</i> , 2002, 277, 27919-27926.	3.4	96

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37	Generation of Polyclonal Antibody against $\hat{1}^4$ -Conotoxin GIIIA Using an Immunogen of [Cys5] $\hat{1}^4$ -Conotoxin GIIIA Site-Specifically Conjugated with Bovine Serum Albumin. Biochemical and Biophysical Research Communications, 2002, 290, 1037-1041.	2.1	6
38	Synthesis of [Cys5] $\hat{1}^4$ -Conotoxin GIIIA and Its Derivatives as a Probe of Na <sup>+</sup> Channel Analysis. Biochemical and Biophysical Research Communications, 2001, 283, 374-378.	2.1	8
39	Modification of Arg-13 of $\hat{1}^4$ -conotoxin GIIIA with piperidinyl-Arg analogs and their relation to the inhibition of sodium channels. FEBS Letters, 2001, 503, 107-110.	2.8	15