

Yoshitomo Suhara

List of Publications by Year in descending order

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81
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159585

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docs citations

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times ranked

3124
citing authors

#	ARTICLE	IF	CITATIONS
1	Evidence That 2-Arachidonoylglycerol but Not N-Palmitoylethanolamine or Anandamide Is the Physiological Ligand for the Cannabinoid CB2 Receptor. <i>Journal of Biological Chemistry</i> , 2000, 275, 605-612.	3.4	346
2	Evidence That the Cannabinoid CB1 Receptor Is a 2-Arachidonoylglycerol Receptor. <i>Journal of Biological Chemistry</i> , 1999, 274, 2794-2801.	3.4	282
3	Identification of UBIAD1 as a novel human menaquinone-4 biosynthetic enzyme. <i>Nature</i> , 2010, 468, 117-121.	27.8	272
4	Conversion of Phylloquinone (Vitamin K1) into Menaquinone-4 (Vitamin K2) in Mice. <i>Journal of Biological Chemistry</i> , 2008, 283, 11270-11279.	3.4	222
5	1-N-Iminosugars: A Potent and Selective Inhibitors of β -Glycosidases. <i>Journal of the American Chemical Society</i> , 1998, 120, 3007-3018.	13.7	201
6	Determination of 25-Hydroxyvitamin D in Human Plasma Using High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 3001-3007.	6.5	126
7	Vitamin K Content of Foods and Dietary Vitamin K Intake in Japanese Young Women. <i>Journal of Nutritional Science and Vitaminology</i> , 2007, 53, 464-470.	0.6	124
8	Vitamin K status of healthy Japanese women: age-related vitamin K requirement for β -carboxylation of osteocalcin. <i>American Journal of Clinical Nutrition</i> , 2006, 83, 380-386.	4.7	118
9	Method for the Determination of Vitamin K Homologues in Human Plasma Using High-Performance Liquid Chromatography-Tandem Mass Spectrometry. <i>Analytical Chemistry</i> , 2005, 77, 757-763.	6.5	112
10	Quantification of fat-soluble vitamins in human breast milk by liquid chromatography-tandem mass spectrometry. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2007, 859, 192-200.	2.3	109
11	Efficient Synthesis of 2-Modified β , γ -25-Dihydroxy-19-norvitamin D ₃ with Julia Olefination: A High Potency in Induction of Differentiation on HL-60 Cells. <i>Journal of Organic Chemistry</i> , 2003, 68, 7407-7415.	3.2	107
12	Menadione (Vitamin K3) Is a Catabolic Product of Oral Phylloquinone (Vitamin K1) in the Intestine and a Circulating Precursor of Tissue Menaquinone-4 (Vitamin K2) in Rats. <i>Journal of Biological Chemistry</i> , 2013, 288, 33071-33080.	3.4	107
13	Efficient and Versatile Synthesis of Novel β -Substituted β , γ -25-Dihydroxyvitamin D ₃ Analogues and Their Docking to Vitamin D Receptors. <i>Journal of Organic Chemistry</i> , 2001, 66, 8760-8771.	3.2	94
14	Ether-linked analogue of 2-arachidonoylglycerol (noladin ether) was not detected in the brains of various mammalian species. <i>Journal of Neurochemistry</i> , 2003, 85, 1374-1381.	3.9	91
15	Probing a Water Channel near the A-Ring of Receptor-Bound β , γ -25-Dihydroxyvitamin D ₃ with Selected β -Substituted Analogues. <i>Journal of Medicinal Chemistry</i> , 2006, 49, 5199-5205.	6.4	89
16	Synthesis of a new carbohydrate mimetics: α -carbopeptoid-containing a C-1 carboxylate and C-2 amino group. <i>Tetrahedron Letters</i> , 1996, 37, 1575-1578.	1.4	81
17	Low plasma phylloquinone concentration is associated with high incidence of vertebral fracture in Japanese women. <i>Journal of Bone and Mineral Metabolism</i> , 2008, 26, 79-85.	2.7	72
18	Cytochrome P450-Dependent Catabolism of Vitamin K: β -Hydroxylation Catalyzed by Human CYP4F2 and CYP4F11. <i>Biochemistry</i> , 2013, 52, 8276-8285.	2.5	72

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19	A Concise and Efficient Route to 2 β -(β -Hydroxyalkoxy)-1 β ,25-dihydroxyvitamin D ₃ : Remarkably High Affinity to Vitamin D Receptor 1. <i>Organic Letters</i> , 2000, 2, 2619-2622.	4.6	71
20	Determination of plasma Vitamin K by high-performance liquid chromatography with fluorescence detection using Vitamin K analogs as internal standards. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2005, 816, 41-48.	2.3	69
21	Design and Efficient Synthesis of 2 β -(β -Hydroxyalkoxy)-1 β ,25-dihydroxyvitamin D ₃ Analogues, Including 2-epi-ED-71 and Their 20-Epipimers with HL-60 Cell Differentiation Activity. <i>Journal of Organic Chemistry</i> , 2004, 69, 7463-7471.	3.2	62
22	Syntheses and biological evaluation of novel 2 β -substituted 1 β ,25-dihydroxyvitamin D ₃ analogues. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2000, 10, 1129-1132.	2.2	59
23	Oligomers of glycamino acid. <i>Bioorganic and Medicinal Chemistry</i> , 2002, 10, 1999-2013.	3.0	58
24	Synthesis of sulfated β -1,6-linked oligosaccharide mimetics: A novel potent inhibitor of HIV replication. <i>Tetrahedron Letters</i> , 1996, 37, 2549-2552.	1.4	50
25	Functional Characterization of the Vitamin K ₂ Biosynthetic Enzyme UBIAD1. <i>PLoS ONE</i> , 2015, 10, e0125737.	2.5	47
26	Vitamin K ₂ Biosynthetic Enzyme, UBIAD1 Is Essential for Embryonic Development of Mice. <i>PLoS ONE</i> , 2014, 9, e104078.	2.5	42
27	Synthesis and Biological Activities of 2-Arachidonoylglycerol, an Endogenous Cannabinoid Receptor Ligand, and Its Metabolically Stable Ether-linked Analogues. <i>Chemical and Pharmaceutical Bulletin</i> , 2000, 48, 903-907.	1.3	38
28	A Single Oral Administration of Theaflavins Increases Energy Expenditure and the Expression of Metabolic Genes. <i>PLoS ONE</i> , 2015, 10, e0137809.	2.5	36
29	A single oral dose of flavan-3-ols enhances energy expenditure by sympathetic nerve stimulation in mice. <i>Free Radical Biology and Medicine</i> , 2016, 91, 256-263.	2.9	32
30	2- α -(3-Hydroxypropyl)- and 2- α -(3-Hydroxypropoxy)-1- α ,25-dihydroxyvitamin D ₃ Accessible to Vitamin D Receptor Mutant Related to Hereditary Vitamin D-Resistant Rickets. <i>Chemical and Pharmaceutical Bulletin</i> , 2003, 51, 357-358.	1.3	31
31	Synthesis of New Vitamin K Analogues as Steroid and Xenobiotic Receptor (SXR) Agonists: Insights into the Biological Role of the Side Chain Part of Vitamin K. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4918-4922.	6.4	29
32	Functional and Structural Analysis of Influenza Virus Neuraminidase N3 Offers Further Insight into the Mechanisms of Oseltamivir Resistance. <i>Journal of Virology</i> , 2013, 87, 10016-10024.	3.4	26
33	Design and Synthesis of Potential Inhibitors of Golgi Endo- β -mannosidase: β -5-Thio-d-glucopyranosyl-(1 \rightarrow 3)-1-deoxymannojirimycin and Methyl 5-Thio-d-glucopyranosyl-(1 \rightarrow 3)-5-thio- β -d-mannopyranoside. <i>Journal of Organic Chemistry</i> , 1998, 63, 4811-4816.	3.2	25
34	METABOLISM OF 2 β -PROPOXY-1 β ,25-DIHYDROXYVITAMIN D ₃ AND 2 β -(3-HYDROXYPROPOXY)-1 β ,25-DIHYDROXYVITAMIN D ₃ BY HUMAN CYP27A1 AND CYP24A1. <i>Drug Metabolism and Disposition</i> , 2005, 33, 778-784.	3.3	24
35	Biological Activities of 2- α -Substituted Analogues of 1- α ,25-Dihydroxyvitamin D ₃ in Transcriptional Regulation and Human Promyelocytic Leukemia (HL-60) Cell Proliferation and Differentiation. <i>Biological and Pharmaceutical Bulletin</i> , 2006, 29, 2246-2250.	1.4	23
36	Concise synthesis and biological activities of 2 β -Alkyl- and 2 β -(β -Hydroxyalkyl)-20-epi-1 β ,25-dihydroxyvitamin D ₃ . <i>Bioorganic and Medicinal Chemistry Letters</i> , 2003, 13, 3503-3506.	2.2	22

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37	Elucidation of the mechanism producing menaquinone-4 in osteoblastic cells. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2009, 19, 1054-1057.	2.2	22
38	Peptide-sugar hybrids: Like peptide, like oligosaccharide. <i>Tetrahedron Letters</i> , 1997, 38, 7167-7170.	1.4	21
39	Comparison of the sympathetic stimulatory abilities of B-type procyanidins based on induction of uncoupling protein-1 in brown adipose tissue (BAT) and increased plasma catecholamine (CA) in mice. <i>PLoS ONE</i> , 2018, 13, e0201203.	2.5	21
40	New Aspects of Vitamin K Research with Synthetic Ligands: Transcriptional Activity via SXR and Neural Differentiation Activity. <i>International Journal of Molecular Sciences</i> , 2019, 20, 3006.	4.1	21
41	Comparative uptake, metabolism, and utilization of menaquinone-4 and phylloquinone in human cultured cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 6601-6607.	3.0	20
42	Synthesis of 2 β -propoxy-1 α ,25-dihydroxyvitamin D ₃ and comparison of its metabolism by human CYP24A1 and rat CYP24A1. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 4296-4301.	3.0	20
43	Structure-Activity Relationship of Novel Menaquinone-4 Analogues: Modification of the Side Chain Affects their Biological Activities. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 1553-1558.	6.4	19
44	Efficient synthesis of carbopeptoid oligomers: insight into mimicry of β -peptide. <i>Tetrahedron</i> , 2006, 62, 8207-8217.	1.9	18
45	Structure-activity relationships in the conversion of vitamin K analogues into menaquinone-4. Substrates essential to the synthesis of menaquinone-4 in cultured human cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 3116-3124.	3.0	18
46	Synthesis of Novel Vitamin K Analogues with Modification at the γ -Terminal Position and Their Biological Evaluation as Potent Steroid and Xenobiotic Receptor (SXR) Agonists. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 4269-4273.	6.4	18
47	The impact of theaflavins on systemic- and microcirculation alterations: The murine and randomized feasibility trials. <i>Journal of Nutritional Biochemistry</i> , 2016, 32, 107-114.	4.2	18
48	Design and synthesis of biologically active analogues of vitamin K ₂ : Evaluation of their biological activities with cultured human cell lines. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 3108-3117.	3.0	17
49	Synthesis of Novel Synthetic Vitamin K Analogues Prepared by Introduction of a Heteroatom and a Phenyl Group That Induce Highly Selective Neuronal Differentiation of Neuronal Progenitor Cells. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2591-2596.	6.4	17
50	Synthesis and testing of 2 β -Modified 1 α ,25-Dihydroxyvitamin D ₃ analogues with a double side chain: marked cell differentiation activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3255-3258.	2.2	16
51	Design and efficient synthesis of new stable 1 α ,25-dihydroxy-19-norvitamin D ₃ analogues containing amide bond. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2002, 12, 3533-3536.	2.2	16
52	Synthesis and biological activities of novel structural analogues of 2-arachidonoylglycerol, an endogenous cannabinoid receptor ligand. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1985-1988.	2.2	15
53	Determination of Fat-Soluble Vitamins in Human Plasma, Breast Milk and Food Samples: Application in Nutrition Survey for Establishment of "Dietary Reference Intakes for Japanese". <i>Journal of Health Science</i> , 2007, 53, 257-262.	0.9	14
54	Synthetic Small Molecules Derived from Natural Vitamin K Homologues that Induce Selective Neuronal Differentiation of Neuronal Progenitor Cells. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 7088-7092.	6.4	14

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55	Protective Effect of Sodium L-Malate, an Active Constituent Isolated from Angelicae Radix, on cis-Diamminedichloroplatinum(II)-Induced Toxic Side Effect.. Chemical and Pharmaceutical Bulletin, 1994, 42, 2565-2568.	1.3	12
56	Synthesis and biological evaluation of several structural analogs of 2-arachidonoylglycerol, an endogenous cannabinoid receptor ligand. Bioorganic and Medicinal Chemistry, 2007, 15, 854-867.	3.0	12
57	Substitution at the C-3 Position of Catechins Has an Influence on the Binding Affinities against Serum Albumin. Molecules, 2017, 22, 314.	3.8	12
58	UBIAD1 Plays an Essential Role in the Survival of Pancreatic Acinar Cells. International Journal of Molecular Sciences, 2019, 20, 1971.	4.1	12
59	Nongenomic effects of 1 α ,25-dihydroxyvitamin D ₃ on cartilage formation deduced from comparisons between Cyp27b1 and Vdr knockout mice. Biochemical and Biophysical Research Communications, 2017, 483, 359-365.	2.1	11
60	Efficient synthesis and biological evaluation of γ -oxygenated analogues of vitamin K ₂ : Study of modification and structure-activity relationship of vitamin K ₂ metabolites. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1622-1625.	2.2	10
61	Synthesis of novel vitamin K derivatives with alkylated phenyl groups introduced at the γ -terminal side chain and evaluation of their neural differentiation activities. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4881-4884.	2.2	9
62	A novel vitamin K derived anticoagulant tolerant to genetic variations of vitamin K epoxide reductase. Journal of Thrombosis and Haemostasis, 2021, 19, 689-700.	3.8	9
63	Disaccharides as Endomannosidase Inhibitors: Syntheses of .ALPHA.-Homomannojirimycin and .BETA.-Homomannojirimycin Linked to D-Glucose and D-Mannose.. Chemical and Pharmaceutical Bulletin, 1995, 43, 414-420.	1.3	8
64	YY1 positively regulates human UBIAD1 expression. Biochemical and Biophysical Research Communications, 2015, 460, 238-244.	2.1	8
65	Synthesis and In Vitro Evaluation of Novel Liver X Receptor Agonists Based on Naphthoquinone Derivatives. Molecules, 2019, 24, 4316.	3.8	8
66	Lipid A and Related Compounds. XXIX. Synthesis of Biologically Active N-Acylated L-Asparagine-Containing D-Glucosamine Derivatives Structurally Related to Lipid A.. Chemical and Pharmaceutical Bulletin, 1994, 42, 2526-2531.	1.3	7
67	Efficient synthesis and biological evaluation of demethyl geranylgeranoic acid derivatives. Bioorganic and Medicinal Chemistry, 2010, 18, 5795-5806.	3.0	7
68	Elucidation of the Interaction between Flavan-3-ols and Bovine Serum Albumin and Its Effect on Their In-Vitro Cytotoxicity. Molecules, 2019, 24, 3667.	3.8	7
69	Determination of Menadione by Liquid Chromatography-Tandem Mass Spectrometry Using Pseudo Multiple Reaction Monitoring. Analytical Sciences, 2017, 33, 863-867.	1.6	6
70	Study on structure-activity relationship of vitamin K derivatives: Conversion of the naphthoquinone part into another aromatic ring and evaluation of their neuronal differentiation-inducing activity. Bioorganic and Medicinal Chemistry Letters, 2020, 30, 127059.	2.2	6
71	Comparison of the Biological Activity of Synthetic N-Acylated Asparagine or Serine Linked Monosaccharide Lipid A Analogs. Immunobiology, 1996, 196, 321-331.	1.9	5
72	Synthesis and development of biologically active fluorescent-labeled vitamin K analogues and monitoring of their subcellular distribution. Tetrahedron, 2008, 64, 8789-8796.	1.9	4

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73	Eldecalcitol is more effective in promoting osteogenesis than alfacalcidol in Cyp27b1-knockout mice. PLoS ONE, 2018, 13, e0199856.	2.5	4
74	Development of Selective TGR5 Ligands Based on the 5,6,7,8-Tetrahydro-5,8-tetramethylnaphthalene Skeleton. ChemMedChem, 2021, 16, 458-462.	3.2	4
75	Synthesis of Novel 1a,25-Dihydroxy-19-norvitamin D3 with an Amide Conjugate. Heterocycles, 2004, 62, 423.	0.7	4
76	Efficient and Convergent Coupling Route for the Short-step Synthesis of Enantiopure 2 ^{1±} - and 2 ¹² -Alkylated 1 ^{1±} ,25-Dihydroxy-19-norvitamin D3 Analogues. Synlett, 2003, 2003, 1175-1179.	1.8	3
77	Naturally occurring UBIAD1 mutations differentially affect menaquinone biosynthesis and vitamin K α -dependent carboxylation. FEBS Journal, 2022, 289, 2613-2627.	4.7	3
78	Synthesis and Biological Activity of the A-ring Modified 1.ALPHA., 25-Dihydroxyvitamin D3.. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2002, 60, 370-382.	0.1	2
79	Development of a Stereoselective C-glycosylation and Glycamino Acid-Based New Carbohydrate Analog.. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 1998, 56, 557-566.	0.1	1
80	Paradigm Shift of Vitamin K Research: Discovery of New Biological Activities of Vitamin K and Synthesis of the Analogues. Kagaku To Seibutsu, 2017, 56, 26-32.	0.0	1
81	Recent Advances in the Medicinal Chemistry of Vitamin K Derivatives: An Overview (2000 α -2021). Biochemistry, 0, , .	1.2	0