Yoshitomo Suhara

List of Publications by Year
in descending order

81	3,872	159585 30	123424 61
papers	citations	h-index	g-index

90	90	90	3124
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Naturally occurring UBIAD1 mutations differentially affect menaquinone biosynthesis and vitamin Kâ€dependent carboxylation. FEBS Journal, 2022, 289, 2613-2627.	4.7	3
2	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
3	Development of Selective TGR5 Ligands Based on the 5,6,7,8â€Tetrahydroâ€5,5,8,8â€tetramethylnaphthalene Skeleton. ChemMedChem, 2021, 16, 458-462.	3.2	4
4	Study on structureâ€“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
5	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
6	New Aspects of Vitamin K Research with Synthetic Ligands: Transcriptional Activity via SXR and Neural Differentiation Activity. International Journal of Molecular Sciences, 2019, 20, 3006.	4.1	21
7	UBIAD1 Plays an Essential Role in the Survival of Pancreatic Acinar Cells. International Journal of Molecular Sciences, 2019, 20, 1971.	4.1	12
8	Synthesis and In Vitro Evaluation of Novel Liver X Receptor Agonists Based on Naphthoquinone Derivatives. Molecules, 2019, 24, 4316.	3.8	8
9	Eldecalcitol is more effective in promoting osteogenesis than alfacalcidol in Cyp27b1-knockout mice. PLoS ONE, 2018, 13, e0199856.	2.5	4
10	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. PLoS ONE, 2018, 13, e0201203.	2.5	21
11	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. Journal of Medicinal Chemistry, 2017, 60, 2591-2596.	6.4	17
12	Nongenomic effects of 1Î±,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
13	Synthesis of novel vitamin K derivatives with alkylated phenyl groups introduced at the Ï‰-terminal side chain and evaluation of their neural differentiation activities. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 4881-4884.	2.2	9
14	Determination of Menadione by Liquid Chromatography-Tandem Mass Spectrometry Using Pseudo Multiple Reaction Monitoring. Analytical Sciences, 2017, 33, 863-867.	1.6	6
15	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
16	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
17	The impact of theaflavins on systemic-and microcirculation alterations: The murine and randomized feasibility trials. Journal of Nutritional Biochemistry, 2016, 32, 107-114.	4.2	18
18	A single oral dose of flavan-3-ols enhances energy expenditure by sympathetic nerve stimulation in mice. Free Radical Biology and Medicine, 2016, 91, 256-263.	2.9	32

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19	YY1 positively regulates human UBIAD1 expression. Biochemical and Biophysical Research Communications, 2015, 460, 238-244.	2.1	8
20	Synthetic Small Molecules Derived from Natural Vitamin K Homologues that Induce Selective Neuronal Differentiation of Neuronal Progenitor Cells. Journal of Medicinal Chemistry, 2015, 58, 7088-7092.	6.4	14
21	Functional Characterization of the Vitamin K2 Biosynthetic Enzyme UBIAD1. PLoS ONE, 2015, 10, e0125737.	2.5	47
22	A Single Oral Administration of Theaflavins Increases Energy Expenditure and the Expression of Metabolic Genes. PLoS ONE, 2015, 10, e0137809.	2.5	36
23	Vitamin K2 Biosynthetic Enzyme, UBIAD1 Is Essential for Embryonic Development of Mice. PLoS ONE, 2014, 9, e104078.	2.5	42
24	Cytochrome P450-Dependent Catabolism of Vitamin K: Ï‰-Hydroxylation Catalyzed by Human CYP4F2 and CYP4F11. Biochemistry, 2013, 52, 8276-8285.	2.5	72
25	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. Journal of Biological Chemistry, 2013, 288, 33071-33080.	3.4	107
26	Functional and Structural Analysis of Influenza Virus Neuraminidase N3 Offers Further Insight into the Mechanisms of Oseltamivir Resistance. Journal of Virology, 2013, 87, 10016-10024.	3.4	26
27	Structureâ€“Activity Relationship of Novel Menaquinone-4 Analogues: Modification of the Side Chain Affects their Biological Activities. Journal of Medicinal Chemistry, 2012, 55, 1553-1558.	6.4	19
28	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. Journal of Medicinal Chemistry, 2011, 54, 4918-4922.	6.4	29
29	Synthesis of Novel Vitamin K₂ Analogues with Modification at the Ï‰-Terminal Position and Their Biological Evaluation as Potent Steroid and Xenobiotic Receptor (SXR) Agonists. Journal of Medicinal Chemistry, 2011, 54, 4269-4273.	6.4	18
30	Structureâ€“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. Bioorganic and Medicinal Chemistry, 2010, 18, 3116-3124.	3.0	18
31	Efficient synthesis and biological evaluation of demethyl geranylgeranoic acid derivatives. Bioorganic and Medicinal Chemistry, 2010, 18, 5795-5806.	3.0	7
32	Identification of UBIAD1 as a novel human menaquinone-4 biosynthetic enzyme. Nature, 2010, 468, 117-121.	27.8	272
33	Synthesis of 2Î±-propoxy-1Î±,25-dihydroxyvitamin D3 and comparison of its metabolism by human CYP24A1 and rat CYP24A1. Bioorganic and Medicinal Chemistry, 2009, 17, 4296-4301.	3.0	20
34	Elucidation of the mechanism producing menaquinone-4 in osteoblastic cells. Bioorganic and Medicinal Chemistry Letters, 2009, 19, 1054-1057.	2.2	22
35	Low plasma phylloquinone concentration is associated with high incidence of vertebral fracture in Japanese women. Journal of Bone and Mineral Metabolism, 2008, 26, 79-85.	2.7	72
36	Design and synthesis of biologically active analogues of vitamin K2: Evaluation of their biological activities with cultured human cell lines. Bioorganic and Medicinal Chemistry, 2008, 16, 3108-3117.	3.0	17

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37	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
38	Conversion of Phylloquinone (Vitamin K1) into Menaquinone-4 (Vitamin K2) in Mice. Journal of Biological Chemistry, 2008, 283, 11270-11279.	3.4	222
39	Vitamin K Content of Foods and Dietary Vitamin K Intake in Japanese Young Women. Journal of Nutritional Science and Vitaminology, 2007, 53, 464-470.	0.6	124
40	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". Journal of Health Science, 2007, 53, 257-262.	0.9	14
41	Efficient synthesis and biological evaluation of Ï‰-oxygenated analogues of vitamin K2: Study of modification and structureâ€“activity relationship of vitamin K2 metabolites. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 1622-1625.	2.2	10
42	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
43	Quantification of fat-soluble vitamins in human breast milk by liquid chromatographyâ€“tandem mass spectrometry. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2007, 859, 192-200.	2.3	109
44	Probing a Water Channel near the A-Ring of Receptor-Bound 1Î±,25-Dihydroxyvitamin D3 with Selected 2Î±-Substituted Analoguesâ€. Journal of Medicinal Chemistry, 2006, 49, 5199-5205.	6.4	89
45	Biological Activities of 2.ALPHA.-Substituted Analogues of 1.ALPHA.,25-Dihydroxyvitamin D3 in Transcriptional Regulation and Human Promyelocytic Leukemia (HL-60) Cell Proliferation and Differentiation. Biological and Pharmaceutical Bulletin, 2006, 29, 2246-2250.	1.4	23
46	Vitamin K status of healthy Japanese women: age-related vitamin K requirement for Î³-carboxylation of osteocalcin. American Journal of Clinical Nutrition, 2006, 83, 380-386.	4.7	118
47	Comparative uptake, metabolism, and utilization of menaquinone-4 and phylloquinone in human cultured cell lines. Bioorganic and Medicinal Chemistry, 2006, 14, 6601-6607.	3.0	20
48	Efficient synthesis of carbopeptoid oligomers: insight into mimicry of Î²-peptide. Tetrahedron, 2006, 62, 8207-8217.	1.9	18
49	Determination of plasma Vitamin K by high-performance liquid chromatography with fluorescence detection using Vitamin K analogs as internal standards. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2005, 816, 41-48.	2.3	69
50	METABOLISM OF 2Î±-PROPOXY-1Î±,25-DIHYDROXYVITAMIN D3 AND 2Î±-(3-HYDROXYPROPOXY)-1Î±,25-DIHYDROXYVITAMIN D3 BY HUMAN CYP27A1 AND CYP24A1. Drug Metabolism and Disposition, 2005, 33, 778-784.	3.3	24
51	Method for the Determination of Vitamin K Homologues in Human Plasma Using High-Performance Liquid Chromatography-Tandem Mass Spectrometry. Analytical Chemistry, 2005, 77, 757-763.	6.5	112
52	Determination of 25-Hydroxyvitamin D in Human Plasma Using High-Performance Liquid Chromatographyâ^'Tandem Mass Spectrometry. Analytical Chemistry, 2005, 77, 3001-3007.	6.5	126
53	Design and Efficient Synthesis of 2Î±-(Ï‰-Hydroxyalkoxy)-1Î±,25-dihydroxyvitamin D3Analogues, Including 2-epi-ED-71 and Their 20-Epimers with HL-60 Cell Differentiation Activity. Journal of Organic Chemistry, 2004, 69, 7463-7471.	3.2	62
54	Synthesis of Novel 1a,25-Dihydroxy-19-norvitamin D3 with an Amide Conjugate. Heterocycles, 2004, 62, 423.	0.7	4

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55	Concise synthesis and biological activities of 2Î±-Alkyl- and 2Î±-(Ï‰-Hydroxyalkyl)-20- epi -1Î±,25-dihydroxyvitamin D 3. Bioorganic and Medicinal Chemistry Letters, 2003, 13, 3503-3506.	2.2	22
56	Ether-linked analogue of 2-arachidonoylglycerol (noladin ether) was not detected in the brains of various mammalian species. Journal of Neurochemistry, 2003, 85, 1374-1381.	3.9	91
57	Efficient Synthesis of 2-Modified 1Î±,25-Dihydroxy-19-norvitamin D3with Julia Olefination:Â High Potency in Induction of Differentiation on HL-60 Cells. Journal of Organic Chemistry, 2003, 68, 7407-7415.	3.2	107
58	Efficient and Convergent CouplingRoute for the Short-step Synthesis of Enantiopure 2Î±-and 2Î²-Alkylated 1Î±,25-Dihydroxy-19-norvitaminD3Analogues. Synlett, 2003, 2003, 1175-1179.	1.8	3
59	2.ALPHA.-(3-Hydroxypropyl)- and 2.ALPHA.-(3-Hydroxypropoxy)-1.ALPHA.,25-dihydroxyvitamin D3 Accessible to Vitamin D Receptor Mutant Related to Hereditary Vitamin D-Resistant Rickets.. Chemical and Pharmaceutical Bulletin, 2003, 51, 357-358.	1.3	31
60	Synthesis and Biological Activity of the A-ring Modified 1.ALPHA., 25-Dihydroxyvitamin D3.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2002, 60, 370-382.	0.1	2
61	Synthesis and testing of 2Î±-Modified 1Î±,25-Dihydroxyvitamin D3 analogues with a double side chain: marked cell differentiation activity. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3255-3258.	2.2	16
62	Oligomers of glycamino acid. Bioorganic and Medicinal Chemistry, 2002, 10, 1999-2013.	3.0	58
63	Design and efficient synthesis of new stable 1Î±,25-dihydroxy-19-norvitamin D3 analogues containing amide bond. Bioorganic and Medicinal Chemistry Letters, 2002, 12, 3533-3536.	2.2	16
64	Efficient and Versatile Synthesis of Novel 2Î±-Substituted 1Î±,25-Dihydroxyvitamin D3Analogues and Their Docking to Vitamin D Receptors. Journal of Organic Chemistry, 2001, 66, 8760-8771.	3.2	94
65	Synthesis and biological activities of novel structural analogues of 2-arachidonoylglycerol, an endogenous cannabinoid receptor ligand. Bioorganic and Medicinal Chemistry Letters, 2001, 11, 1985-1988.	2.2	15
66	Synthesis and Biological Activities of 2-Arachidonoylglycerol, an Endogenous Cannabinoid Receptor Ligand, and Its Metabolically Stable Ether-linked Analogues.. Chemical and Pharmaceutical Bulletin, 2000, 48, 903-907.	1.3	38
67	Syntheses and biological evaluation of novel 2Î±-substituted 1Î±,25-dihydroxyvitamin D 3 analogues. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1129-1132.	2.2	59
68	Evidence That 2-Arachidonoylglycerol but Not N-Palmitoylethanolamine or Anandamide Is the Physiological Ligand for the Cannabinoid CB2 Receptor. Journal of Biological Chemistry, 2000, 275, 605-612.	3.4	346
69	A Concise and Efficient Route to 2Î±-(Ï‰-Hydroxyalkoxy)-1Î±,25-dihydroxyvitamin D3:â€‰ Remarkably High Affinity to Vitamin D Receptor1. Organic Letters, 2000, 2, 2619-2622.	4.6	71
70	Evidence That the Cannabinoid CB1 Receptor Is a 2-Arachidonoylglycerol Receptor. Journal of Biological Chemistry, 1999, 274, 2794-2801.	3.4	282
71	1-N-Iminosugars:Â Potent and Selective Inhibitors of Î²-Glycosidases. Journal of the American Chemical Society, 1998, 120, 3007-3018.	13.7	201
72	Design and Synthesis of Potential Inhibitors of Golgi Endo-Î±-mannosidase:Â 5-Thio-d-glucopyranosyl-Î±(1â†'3)-1-deoxymannojirimycin and Methyl 5-Thio-d-glucopyranosyl-Î±(1â†'3)-5-thio-Î±-d-mannopyranoside. Journal of Organic Chemistry, 1998, 63, 4811-4816.	3.2	25

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73	Development of a Stereoselective C-glycosylation and Glycamino Acid-Based New Carbohydrate Analog.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 1998, 56, 557-566.	0.1	1
74	Peptide-sugar hybrids: Like peptide, like oligosaccharide. Tetrahedron Letters, 1997, 38, 7167-7170.	1.4	21
75	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
76	Synthesis of a new carbohydrate mimetics: â€œcarbopeptoidâ€•containing a C-1 carboxylate and C-2 amino group. Tetrahedron Letters, 1996, 37, 1575-1578.	1.4	81
77	Synthesis of sulfated Î²-1,6-linked oligosaccharide mimetics: A novel potent inhibitor of HIV replication. Tetrahedron Letters, 1996, 37, 2549-2552.	1.4	50
78	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
79	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
80	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
81	Recent Advances in the Medicinal Chemistry of Vitamin K Derivatives: An Overview (2000â€“2021). Biochemistry, 0, , .	1.2	0