Takayuki Doi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/6370528/publications.pdf

Version: 2024-02-01

87 papers	2,742 citations	201674 27 h-index	189892 50 g-index
91 all docs	91 docs citations	91 times ranked	2861 citing authors

#	Article	IF	Citations
1	Palladium-Catalyzed Synthesis of 2-Substituted Benzothiazoles via a Câ^'H Functionalization/Intramolecular Câ^'S Bond Formation Process. Organic Letters, 2008, 10, 5147-5150.	4.6	272
2	Nâ€Heterocyclic Carbene Derived Nickelâ€"Pincer Complexes: Efficient and Applicable Catalysts for Suzukiâ€"Miyaura Coupling Reactions of Aryl/Alkenyl Tosylates and Mesylates. European Journal of Organic Chemistry, 2009, 2009, 2251-2261.	2.4	140
3	Palladium-catalysed direct synthesis of benzo[b]thiophenes from thioenols. Chemical Communications, 2008, , 5529.	4.1	130
4	A Formal Total Synthesis of Taxol Aided by an Automated Synthesizer. Chemistry - an Asian Journal, 2006, 1, 370-383.	3.3	118
5	Total Synthesis of (R)-Telomestatin. Organic Letters, 2006, 8, 4165-4167.	4.6	112
6	Palladium-Catalyzed Intramolecular Amidation of C(sp²)â^'H Bonds: Synthesis of 4-Aryl-2-quinolinones. Journal of Organic Chemistry, 2010, 75, 3900-3903.	3.2	110
7	Use of Molecular Oxygen as a Reoxidant in the Synthesis of 2â€Substituted Benzothiazoles via Palladiumâ€Catalyzed Cï¿¿H Functionalization/Intramolecular Cï¿¿S Bond Formation. Advanced Synthesis and Catalysis, 2010, 352, 2643-2655.	4.3	109
8	Evolved Diversification of a Modular Natural Product Pathway: Apratoxins F and G, Two Cytotoxic Cyclic Depsipeptides from a Palmyra Collection ofLyngbya bouillonii. ChemBioChem, 2010, 11, 1458-1466.	2.6	101
9	Pincer-type bis(carbene)-derived complexes of nickel(II): Synthesis, structure, and catalytic activity. Journal of Organometallic Chemistry, 2009, 694, 389-396.	1.8	94
10	Total Synthesis of Apratoxin A. Organic Letters, 2006, 8, 531-534.	4.6	85
11	Continuous-flow synthesis of vitamin D3. Chemical Communications, 2010, 46, 8722.	4.1	85
12	Synthesis of a Potent Gâ€Quadruplexâ€Binding Macrocyclic Heptaoxazole. ChemBioChem, 2009, 10, 431-435.	2.6	63
13	Regioselective synthesis of flavone derivatives via DMAP-catalyzed cyclization of o-alkynoylphenols. Tetrahedron, 2011, 67, 9993-9997.	1.9	58
14	A New Approach to 3-Substituted Indoles through Palladium-Catalyzed C-H Activation Followed by Intramolecular Amination Reaction of Enamines. Synlett, 2008, 2008, 3157-3162.	1.8	48
15	Solid Phase Library Synthesis of Cyclic Depsipeptides:â€‰ Aurilide and Aurilide Analogues. ACS Combinatorial Science, 2003, 5, 414-428.	3.3	47
16	Total Synthesis of (â^')â€Apratoxin A, 34â€Epimer, and Its Oxazoline Analogue. Chemistry - an Asian Journal, 2009, 4, 111-125.	3.3	46
17	(S)-Stereoisomer of telomestatin as a potent G-quadruplex binder and telomerase inhibitor. Organic and Biomolecular Chemistry, 2011, 9, 387-393.	2.8	45
18	Design and Synthesis of Telomestatin Derivatives and Their Inhibitory Activity of Telomerase. Heterocycles, 2006, 69, 505.	0.7	43

#	Article	IF	Citations
19	Discovery and Combinatorial Synthesis of Fungal Metabolites Beauveriolides, Novel Antiatherosclerotic Agents. Accounts of Chemical Research, 2008, 41, 32-39.	15.6	41
20	Palladium(0)â€“Lithium Iodide Cocatalyzed Asymmetric Hydroalkylation of Conjugated Enynes with Pronucleophiles Leading to 1,3-Disubstituted Allenes. Organic Letters, 2019, 21, 6811-6814.	4.6	41
21	Total synthesis of spiruchostatin B aided by an automated synthesizer. Organic and Biomolecular Chemistry, 2011, 9, 3825.	2.8	37
22	Solidâ€phase Total Synthesis of (â^')â€Apratoxin A and Its Analogues and Their Biological Evaluation. Chemistry - an Asian Journal, 2011, 6, 180-188.	3.3	35
23	Synthesis and Biological Evaluation of a Beauveriolide Analogue Library. ACS Combinatorial Science, 2006, 8, 103-109.	3.3	34
24	A concise synthesis of 3-aroylflavones via Lewis base 9-azajulolidine-catalyzed tandem acyl transferâ€“cyclization. Chemical Communications, 2012, 48, 11796.	4.1	33
25	Solid-Phase Combinatorial Synthesis of Aeruginosin Derivatives and Their Biological Evaluation. ACS Combinatorial Science, 2006, 8, 571-582.	3.3	32
26	A concise total synthesis of biologically active frutinones via tributylphosphine-catalyzed tandem acyl transfer-cyclization. Tetrahedron, 2014, 70, 3452-3458.	1.9	29
27	Sequential Palladium-Catalyzed Coupling Reactions on Solid-Phase. ACS Combinatorial Science, 2008, 10, 135-141.	3.3	28
28	Total Synthesis and Conformational Analysis of Apratoxin C. Journal of Organic Chemistry, 2014, 79, 8000-8009.	3.2	28
29	Total Synthesis and Stereochemistry Revision of Mannopeptimycin Aglycone. Journal of the American Chemical Society, 2014, 136, 12011-12017.	13.7	28
30	High speed parallel synthesis of banana-shaped molecules and phase transition behaviour of 4-bromo-substituted derivatives. Liquid Crystals, 2004, 31, 1323-1336.	2.2	27
31	Absolute Structure of Prunustatin A, a Novel GRP78 Molecular Chaperone Down-Regulator. Organic Letters, 2007, 9, 4239-4242.	4.6	27
32	Absolute Stereochemistry of Fungal Beauveriolide III and ACAT Inhibitory Activity of Four Stereoisomers. Journal of Organic Chemistry, 2006, 71, 7643-7649.	3.2	26
33	Synthesis, Structure Determination, and Biological Evaluation of Destruxin E. Organic Letters, 2010, 12, 3792-3795.	4.6	26
34	An Efficient Synthesis of Aurone Derivatives by the Tributylphosphine-catalyzed Regioselective Cyclization of o-Alkynoylphenols. Chemistry Letters, 2015, 44, 141-143.	1.3	25
35	Conformation-Based Design and Synthesis of Apratoxin A Mimetics Modified at the Î±,Î²-Unsaturated Thiazoline Moiety. Journal of Medicinal Chemistry, 2017, 60, 6751-6765.	6.4	24
36	Derivatization of a tris-oxazole using Pd-catalyzed coupling reactions of a 5-bromooxazole moiety. Tetrahedron Letters, 2010, 51, 1674-1677.	1.4	23

#	Article	IF	Citations
37	Total Synthesis and Biological Evaluation of PF1171A, C, F, and G, Cyclic Hexapeptides with Insecticidal Activity. Journal of Organic Chemistry, 2014, 79, 7844-7853.	3.2	22
38	A Synthesis of RGD Model Cyclic Peptide by Palladium-Catalyzed Carbonylative Macrolactamization. Organic Letters, 2008, 10, 817-819.	4.6	21
39	An Efficient Partial Reduction of Î±,Î²â€Unsaturated Esters Using DIBALâ€H in Flow. European Journal of Organic Chemistry, 2014, 2014, 6010-6016.	2.4	20
40	Selective inhibition of sterolO-acyltransferase 1 isozyme by beauveriolide III in intact cells. Scientific Reports, 2017, 7, 4163.	3.3	20
41	Total Synthesis and Biological Evaluation of Siladenoserinolâ€...A and its Analogues. Angewandte Chemie - International Edition, 2018, 57, 5147-5150.	13.8	19
42	Synthesis of Dimethyl Gloiosiphone A by Way of Palladium-Catalyzed Domino Cyclization. Journal of Organic Chemistry, 2007, 72, 3667-3671.	3.2	17
43	The Selectivity of Beauveriolide Derivatives in Inhibition toward the Two Isozymes of Acyl-CoA : cholesterol Acyltransferase. Chemical and Pharmaceutical Bulletin, 2009, 57, 377-381.	1.3	16
44	Synthesis of the Biologically Active Natural Product Cyclodepsipeptides Apratoxin A and Its Analogues. Chemical and Pharmaceutical Bulletin, 2014, 62, 735-743.	1.3	16
45	Synthesis of Spiromamakone A Benzo Analogues via Double Oxa-Michael Addition of 1,8-Dihydroxynaphthalene. Organic Letters, 2016, 18, 4848-4851.	4.6	16
46	Donor-Bound Glycosylation for Various Glycosyl Acceptors: Bidirectional Solid-Phase Semisynthesis of Vancomycin and Its Derivatives. Chemistry - an Asian Journal, 2007, 2, 188-198.	3.3	15
47	Chiral Tetraazamacrocycles Having Four Pendant-Arms. Organic Letters, 2009, 11, 2289-2292.	4.6	15
48	Scalable Solution-Phase Synthesis of the Biologically Active Cyclodepsipeptide Destruxin E, a Potent Negative Regulator of Osteoclast Morphology. Journal of Organic Chemistry, 2014, 79, 296-306.	3.2	14
49	Total Synthesis of Spiromamakone A and Structure Revision of Spiropreussione A. Journal of Organic Chemistry, 2018, 83, 9430-9441.	3.2	14
50	Conformationally restricted analog and biotin-labeled probe based on beauveriolide III. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 696-699.	2.2	13
51	Total synthesis and characterization of thielocin B1 as a proteinâ€“protein interaction inhibitor of PAC3 homodimer. Chemical Science, 2014, 5, 1860-1868.	7.4	13
52	Study for diastereoselective aldol reaction in flow: synthesis of (E)-(S)-3-hydroxy-7-tritylthio-4-heptenoic acid, a key component of cyclodepsipeptide HDAC inhibitors. Tetrahedron, 2015, 71, 6463-6470.	1.9	13
53	Potent oxazoline analog of apratoxin C: Synthesis, biological evaluation, and conformational analysis. Biopolymers, 2016, 106, 404-414.	2.4	13
54	Facile Synthesis of Pyrrolyl 4-Quinolinone Alkaloid Quinolactacide by 9-AJ-Catalyzed Tandem Acyl Transferâ€“Cyclization ofo-Alkynoylaniline Derivatives. ACS Omega, 2017, 2, 4370-4381.	3.5	13

#	Article	IF	Citations
55	Synthesis and biological evaluation of a focused library of beauveriolides. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 4397-4400.	2.2	12
56	Design and synthesis of 2-phenyl-1,4-dioxa-spiro[4.5]deca-6,9-dien-8-ones as potential anticancer agents starting from cytotoxic spiromamakone A. European Journal of Medicinal Chemistry, 2013, 66, 180-184.	5.5	12
57	Structure Revision of Similanamide to PF1171C by Total Synthesis. Journal of Natural Products, 2015, 78, 2286-2291.	3.0	12
58	Solidâ€Phase Combinatorial Synthesis and Biological Evaluation of Destruxinâ€…E Analogues. Chemistry - A European Journal, 2015, 21, 18417-18430.	3.3	11
59	Total Synthesis and Structure Elucidation of JBIRâ€39: A Linear Hexapeptide Possessing Piperazic Acid and Î³â€Hydroxypiperazic Acid Residues. Chemistry - A European Journal, 2015, 21, 3031-3041.	3.3	11
60	Synthesis of multi-substituted dihydrofurans via palladium-catalysed coupling between 2,3-alkadienols and pronucleophiles. Chemical Communications, 2018, 54, 5102-5105.	4.1	11
61	Total Synthesis and Structural Revision of Cyclotetrapeptide Asperterrestide A. Journal of Organic Chemistry, 2019, 84, 6765-6779.	3.2	11
62	C-Methylation of S-adenosyl-L-Methionine Occurs Prior to Cyclopropanation in the Biosynthesis of 1-Amino-2-Methylcyclopropanecarboxylic Acid (Norcoronamic Acid) in a Bacterium. Biomolecules, 2020, 10, 775.	4.0	11
63	Systematic Analysis of the Relationship among 3D Structure, Bioactivity, and Membrane Permeability of PF1171F, a Cyclic Hexapeptide with Paralyzing Effects on Silkworms. Journal of Organic Chemistry, 2017, 82, 11447-11463.	3.2	9
64	Design, Synthesis, and Biological Evaluation of Beauveriolide Analogues Bearing Photoreactive Amino Acids. Chemical and Pharmaceutical Bulletin, 2016, 64, 754-765.	1.3	8
65	Novel Potent ABCB1 Modulator, Phenethylisoquinoline Alkaloid, Reverses Multidrug Resistance in Cancer Cell. Molecular Pharmaceutics, 2018, 15, 4021-4030.	4.6	8
66	Conjugate Addition to Acylketene Acetals Derived from 1,8-Dihydroxynaphthalene and Its Application To Synthesize the Proposed Structure of Spiropreussione A. Organic Letters, 2018, 20, 3140-3143.	4.6	8
67	Synthesis of fluorescent-labeled aeruginosin derivatives for high-throughput fluorescence correlation spectroscopy assays. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 2904-2907.	2.2	7
68	Combinatorial Solid-Phase Synthesis and Biological Evaluation of Cyclodepsipeptide Destruxin B as a Negative Regulator for Osteoclast Morphology. ACS Combinatorial Science, 2016, 18, 590-595.	3.8	7
69	Scalable Total Syntheses and Structureâ€“Activity Relationships of Haouaminesâ€…A, B, and Their Derivatives as Stable Formate Salts. Chemistry - A European Journal, 2020, 26, 12528-12532.	3.3	7
70	A Phenylfurocoumarin Derivative Reverses ABCG2-Mediated Multidrug Resistance In Vitro and In Vivo. International Journal of Molecular Sciences, 2021, 22, 12502.	4.1	7
71	Regio- and stereocontrolled Dielsâ€“Alder reaction tethered by Asp-Thr dipeptide. Chemical Communications, 2005, , 4908.	4.1	6
72	Synthesis of chiral polyazamacrocycles of variable ring size. Organic and Biomolecular Chemistry, 2010, 8, 2529.	2.8	5

#	Article	IF	Citations
73	Synthesis of Heptaoxazole Macrocyclic Analogues of Telomestatin and Evaluation of Their Telomerase Inhibitory Activities. Bulletin of the Chemical Society of Japan, 2013, 86, 1453-1465.	3.2	5
74	High-Throughput Synthesis of Combinatorial Libraries Based on Natural Products. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2007, 65, 795-804.	0.1	5
75	Synthesis and biological evaluation of thielocin B1 analogues as protein-protein interaction inhibitors of PAC3 homodimer. Bioorganic and Medicinal Chemistry, 2018, 26, 6023-6034.	3.0	4
76	Parallel Synthesis and Biological Evaluation of Destruxin E Analogs Modified with a Side Chain in the Î±â€Hydroxycarboxylic Acid Moiety. European Journal of Organic Chemistry, 2019, 2019, 1669-1676.	2.4	4
77	Solid-phase combinatorial syntheses of mesomorphic 4-alkoxyphenyl 4-alkoxybenzoylaminobenzoates. Liquid Crystals, 2010, 37, 1361-1372.	2.2	3
78	Cyclodepsipeptide Natural Products Apratoxins A and C and Their Analogs. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 1170-1175.	0.1	3
79	Gold-Catalyzed Amide/Carbamate-Linked N,O-Acetal Formation with Bulky Amides and Alcohols. Journal of Organic Chemistry, 2021, 86, 1281-1291.	3.2	3
80	Stereoselective Synthesis of 1-Aminocyclopropanecarboxylic Acid Carnosadines via Inter-intramolecular Double Alkylation with Optically Active 2-Methylaziridine Derivatives. Journal of Organic Chemistry, 2021, 86, 7304-7313.	3.2	3
81	JBIR-155, a Specific Class D Î²-Lactamase Inhibitor of Microbial Origin. Organic Letters, 2021, 23, 4415-4419.	4.6	3
82	Allylpalladation and Related Reactions of Alkenes, Alkynes, Dienes, and OtherÏ€-Compounds. , 0, , 1449-1462.		2
83	Synthetic studies for destruxins and biological evaluation for osteoclast-like multinucleated cells: a review. Journal of Antibiotics, 2022, 75, 420-431.	2.0	2
84	Total Synthesis and Biological Evaluation of Siladenoserinolâ€…A and its Analogues. Angewandte Chemie, 2018, 130, 5241-5244.	2.0	1
85	Stereoselective Synthesis of Protected l-allo-Enduracididine and l-Enduracididine via Asymmetric Nitroaldol Reaction. Synthesis, 2020, 52, 942-948.	2.3	1
86	Total Synthesis, Biological Evaluation, and 3D Structural Analysis of a Cyclodepsipeptide Natural Product. , 2021, , 21-34.		0
87	Total Synthesis of Telomestatin and its Analogues. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2015, 73, 3-13.	0.1	0