

Takayuki Doi

List of Publications by Year in descending order

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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	Synthetic studies for destruxins and biological evaluation for osteoclast-like multinucleated cells: a review. <i>Journal of Antibiotics</i> , 2022, 75, 420-431.	2.0	2
2	Gold-Catalyzed Amide/Carbamate-Linked <i>N,O</i> -Acetal Formation with Bulky Amides and Alcohols. <i>Journal of Organic Chemistry</i> , 2021, 86, 1281-1291.	3.2	3
3	Stereoselective Synthesis of 1-Aminocyclopropanecarboxylic Acid Carnosadines via Inter-intramolecular Double Alkylation with Optically Active 2-Methylaziridine Derivatives. <i>Journal of Organic Chemistry</i> , 2021, 86, 7304-7313.	3.2	3
4	JBIR-155, a Specific Class D β -Lactamase Inhibitor of Microbial Origin. <i>Organic Letters</i> , 2021, 23, 4415-4419.	4.6	3
5	Total Synthesis, Biological Evaluation, and 3D Structural Analysis of a Cyclodepsipeptide Natural Product. , 2021, , 21-34.		0
6	A Phenylfurocoumarin Derivative Reverses ABCG2-Mediated Multidrug Resistance In Vitro and In Vivo. <i>International Journal of Molecular Sciences</i> , 2021, 22, 12502.	4.1	7
7	Stereoselective Synthesis of Protected l- <i>allo</i> -Enduracididine and l-Enduracididine via Asymmetric Nitroaldol Reaction. <i>Synthesis</i> , 2020, 52, 942-948.	2.3	1
8	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. <i>Biomolecules</i> , 2020, 10, 775.	4.0	11
9	Scalable Total Syntheses and Structure-Activity Relationships of Haouamines A, B, and Their Derivatives as Stable Formate Salts. <i>Chemistry - A European Journal</i> , 2020, 26, 12528-12532.	3.3	7
10	Palladium(0)-Lithium Iodide Cocatalyzed Asymmetric Hydroalkylation of Conjugated Enynes with Pronucleophiles Leading to 1,3-Disubstituted Allenes. <i>Organic Letters</i> , 2019, 21, 6811-6814.	4.6	41
11	Total Synthesis and Structural Revision of Cyclotetrapeptide Asperterrestide A. <i>Journal of Organic Chemistry</i> , 2019, 84, 6765-6779.	3.2	11
12	Parallel Synthesis and Biological Evaluation of Destruxin E Analogs Modified with a Side Chain in the β -Hydroxycarboxylic Acid Moiety. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 1669-1676.	2.4	4
13	Total Synthesis and Biological Evaluation of Siladenoserinol A and its Analogues. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 5147-5150.	13.8	19
14	Synthesis of multi-substituted dihydrofurans via palladium-catalysed coupling between 2,3-alkadienols and pronucleophiles. <i>Chemical Communications</i> , 2018, 54, 5102-5105.	4.1	11
15	Total Synthesis and Biological Evaluation of Siladenoserinol A and its Analogues. <i>Angewandte Chemie</i> , 2018, 130, 5241-5244.	2.0	1
16	Cyclodepsipeptide Natural Products Apratoxins A and C and Their Analogs. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2018, 76, 1170-1175.	0.1	3
17	Synthesis and biological evaluation of thielocin B1 analogues as protein-protein interaction inhibitors of PAC3 homodimer. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 6023-6034.	3.0	4
18	Novel Potent ABCB1 Modulator, Phenethylisoquinoline Alkaloid, Reverses Multidrug Resistance in Cancer Cell. <i>Molecular Pharmaceutics</i> , 2018, 15, 4021-4030.	4.6	8

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19	Conjugate Addition to Acylketene Acetals Derived from 1,8-Dihydroxynaphthalene and Its Application To Synthesize the Proposed Structure of Spiroreussione A. <i>Organic Letters</i> , 2018, 20, 3140-3143.	4.6	8
20	Total Synthesis of Spiromamakone A and Structure Revision of Spiroreussione A. <i>Journal of Organic Chemistry</i> , 2018, 83, 9430-9441.	3.2	14
21	Systematic Analysis of the Relationship among 3D Structure, Bioactivity, and Membrane Permeability of PF1171F, a Cyclic Hexapeptide with Paralyzing Effects on Silkworms. <i>Journal of Organic Chemistry</i> , 2017, 82, 11447-11463.	3.2	9
22	Facile Synthesis of Pyrrolyl 4-Quinolinone Alkaloid Quinolactacide by 9-AJ-Catalyzed Tandem Acyl Transfer-Cyclization of α -Alkynoylaniline Derivatives. <i>ACS Omega</i> , 2017, 2, 4370-4381.	3.5	13
23	Conformation-Based Design and Synthesis of Apratoxin A Mimetics Modified at the β , γ -Unsaturated Thiazoline Moiety. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6751-6765.	6.4	24
24	Selective inhibition of sterol O-acyltransferase 1 isozyme by beauveriolide III in intact cells. <i>Scientific Reports</i> , 2017, 7, 4163.	3.3	20
25	Combinatorial Solid-Phase Synthesis and Biological Evaluation of Cyclodepsipeptide Destruxin B as a Negative Regulator for Osteoclast Morphology. <i>ACS Combinatorial Science</i> , 2016, 18, 590-595.	3.8	7
26	Design, Synthesis, and Biological Evaluation of Beauveriolide Analogues Bearing Photoreactive Amino Acids. <i>Chemical and Pharmaceutical Bulletin</i> , 2016, 64, 754-765.	1.3	8
27	Synthesis of Spiromamakone A Benzo Analogues via Double Oxa-Michael Addition of 1,8-Dihydroxynaphthalene. <i>Organic Letters</i> , 2016, 18, 4848-4851.	4.6	16
28	Potent oxazoline analog of apratoxin C: Synthesis, biological evaluation, and conformational analysis. <i>Biopolymers</i> , 2016, 106, 404-414.	2.4	13
29	An Efficient Synthesis of Aurone Derivatives by the Tributylphosphine-catalyzed Regioselective Cyclization of α -Alkynoylphenols. <i>Chemistry Letters</i> , 2015, 44, 141-143.	1.3	25
30	Solid-Phase Combinatorial Synthesis and Biological Evaluation of Destruxin A Analogues. <i>Chemistry - A European Journal</i> , 2015, 21, 18417-18430.	3.3	11
31	Study for diastereoselective aldol reaction in flow: synthesis of (E)-3-hydroxy-7-tritylthio-4-heptenoic acid, a key component of cyclodepsipeptide HDAC inhibitors. <i>Tetrahedron</i> , 2015, 71, 6463-6470.	1.9	13
32	Structure Revision of Similanamide to PF1171C by Total Synthesis. <i>Journal of Natural Products</i> , 2015, 78, 2286-2291.	3.0	12
33	Total Synthesis and Structure Elucidation of JBIR39: A Linear Hexapeptide Possessing Piperazic Acid and β -Hydroxypiperazic Acid Residues. <i>Chemistry - A European Journal</i> , 2015, 21, 3031-3041.	3.3	11
34	Total Synthesis of Telomestatin and its Analogues. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2015, 73, 3-13.	0.1	0
35	A concise total synthesis of biologically active frutinones via tributylphosphine-catalyzed tandem acyl transfer-cyclization. <i>Tetrahedron</i> , 2014, 70, 3452-3458.	1.9	29
36	Total synthesis and characterization of thielocin B1 as a protein-protein interaction inhibitor of PAC3 homodimer. <i>Chemical Science</i> , 2014, 5, 1860-1868.	7.4	13

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37	Scalable Solution-Phase Synthesis of the Biologically Active Cyclodepsipeptide Destruxin E, a Potent Negative Regulator of Osteoclast Morphology. <i>Journal of Organic Chemistry</i> , 2014, 79, 296-306.	3.2	14
38	Total Synthesis and Conformational Analysis of Apratoxin C. <i>Journal of Organic Chemistry</i> , 2014, 79, 8000-8009.	3.2	28
39	Total Synthesis and Biological Evaluation of PF1171A, C, F, and G, Cyclic Hexapeptides with Insecticidal Activity. <i>Journal of Organic Chemistry</i> , 2014, 79, 7844-7853.	3.2	22
40	An Efficient Partial Reduction of α,β -Unsaturated Esters Using DIBAL-H in Flow. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 6010-6016.	2.4	20
41	Total Synthesis and Stereochemistry Revision of Mannopectimycin Aglycone. <i>Journal of the American Chemical Society</i> , 2014, 136, 12011-12017.	13.7	28
42	Synthesis of the Biologically Active Natural Product Cyclodepsipeptides Apratoxin A and Its Analogues. <i>Chemical and Pharmaceutical Bulletin</i> , 2014, 62, 735-743.	1.3	16
43	Design and synthesis of 2-phenyl-1,4-dioxo-spiro[4.5]deca-6,9-dien-8-ones as potential anticancer agents starting from cytotoxic spiromamakone A. <i>European Journal of Medicinal Chemistry</i> , 2013, 66, 180-184.	5.5	12
44	Synthesis of Heptaoxazole Macrocylic Analogues of Telomestatin and Evaluation of Their Telomerase Inhibitory Activities. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1453-1465.	3.2	5
45	A concise synthesis of 3-aroylflavones via Lewis base 9-azajulolidine-catalyzed tandem acyl transfer-cyclization. <i>Chemical Communications</i> , 2012, 48, 11796.	4.1	33
46	Conformationally restricted analog and biotin-labeled probe based on beauveriolide III. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 696-699.	2.2	13
47	(S)-Stereoisomer of telomestatin as a potent G-quadruplex binder and telomerase inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 387-393.	2.8	45
48	Total synthesis of spiruchostatin B aided by an automated synthesizer. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 3825.	2.8	37
49	Regioselective synthesis of flavone derivatives via DMAP-catalyzed cyclization of o-alkynoylphenols. <i>Tetrahedron</i> , 2011, 67, 9993-9997.	1.9	58
50	Solid-Phase Total Synthesis of Apratoxin A and Its Analogues and Their Biological Evaluation. <i>Chemistry - an Asian Journal</i> , 2011, 6, 180-188.	3.3	35
51	Use of Molecular Oxygen as a Reoxidant in the Synthesis of 2-Substituted Benzothiazoles via Palladium-Catalyzed C-H Functionalization/Intramolecular C-S Bond Formation. <i>Advanced Synthesis and Catalysis</i> , 2010, 352, 2643-2655.	4.3	109
52	Evolved Diversification of a Modular Natural Product Pathway: Apratoxins F and G, Two Cytotoxic Cyclic Depsipeptides from a Palmyra Collection of <i>Lyngbya bouillonii</i> . <i>ChemBioChem</i> , 2010, 11, 1458-1466.	2.6	101
53	Derivatization of a tris-oxazole using Pd-catalyzed coupling reactions of a 5-bromooxazole moiety. <i>Tetrahedron Letters</i> , 2010, 51, 1674-1677.	1.4	23
54	Palladium-Catalyzed Intramolecular Amidation of C(sp ²)-H Bonds: Synthesis of 4-Aryl-2-quinolinones. <i>Journal of Organic Chemistry</i> , 2010, 75, 3900-3903.	3.2	110

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55	Synthesis, Structure Determination, and Biological Evaluation of Destruxin E. <i>Organic Letters</i> , 2010, 12, 3792-3795.	4.6	26
56	Solid-phase combinatorial syntheses of mesomorphic 4-alkoxyphenyl 4-alkoxybenzoylaminobenzoates. <i>Liquid Crystals</i> , 2010, 37, 1361-1372.	2.2	3
57	Continuous-flow synthesis of vitamin D3. <i>Chemical Communications</i> , 2010, 46, 8722.	4.1	85
58	Synthesis of chiral polyazamacrocycles of variable ring size. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 2529.	2.8	5
59	Synthesis of a Potent G α Quadruplex β Binding Macrocyclic Heptaioxazole. <i>ChemBioChem</i> , 2009, 10, 431-435.	2.6	63
60	N α -Heterocyclic Carbene Derived Nickel α -Pincer Complexes: Efficient and Applicable Catalysts for Suzuki α -Miyaura Coupling Reactions of Aryl/Alkenyl Tosylates and Mesylates. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 2251-2261.	2.4	140
61	Pincer-type bis(carbene)-derived complexes of nickel(II): Synthesis, structure, and catalytic activity. <i>Journal of Organometallic Chemistry</i> , 2009, 694, 389-396.	1.8	94
62	Total Synthesis of (α) α -Apratoxin A, 3 α -Epimer, and Its Oxazoline Analogue. <i>Chemistry - an Asian Journal</i> , 2009, 4, 111-125.	3.3	46
63	Chiral Tetraazamacrocycles Having Four Pendant-Arms. <i>Organic Letters</i> , 2009, 11, 2289-2292.	4.6	15
64	The Selectivity of Beauveriolide Derivatives in Inhibition toward the Two Isozymes of Acyl-CoA : cholesterol Acyltransferase. <i>Chemical and Pharmaceutical Bulletin</i> , 2009, 57, 377-381.	1.3	16
65	Synthesis and biological evaluation of a focused library of beauveriolides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 4397-4400.	2.2	12
66	Palladium-Catalyzed Synthesis of 2-Substituted Benzothiazoles via a C α -H Functionalization/Intramolecular C α -S Bond Formation Process. <i>Organic Letters</i> , 2008, 10, 5147-5150.	4.6	272
67	Palladium-catalysed direct synthesis of benzo[b]thiophenes from thioenols. <i>Chemical Communications</i> , 2008, , 5529.	4.1	130
68	A Synthesis of RGD Model Cyclic Peptide by Palladium-Catalyzed Carbonylative Macrolactamization. <i>Organic Letters</i> , 2008, 10, 817-819.	4.6	21
69	Discovery and Combinatorial Synthesis of Fungal Metabolites Beauveriolides, Novel Antiatherosclerotic Agents. <i>Accounts of Chemical Research</i> , 2008, 41, 32-39.	15.6	41
70	Sequential Palladium-Catalyzed Coupling Reactions on Solid-Phase. <i>ACS Combinatorial Science</i> , 2008, 10, 135-141.	3.3	28
71	A New Approach to 3-Substituted Indoles through Palladium-Catalyzed C-H Activation Followed by Intramolecular Amination Reaction of Enamines. <i>Synlett</i> , 2008, 2008, 3157-3162.	1.8	48
72	Absolute Structure of Prunostatin A, a Novel GRP78 Molecular Chaperone Down-Regulator. <i>Organic Letters</i> , 2007, 9, 4239-4242.	4.6	27

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73	Synthesis of Dimethyl Gloiosiphone A by Way of Palladium-Catalyzed Domino Cyclization. <i>Journal of Organic Chemistry</i> , 2007, 72, 3667-3671.	3.2	17
74	Synthesis of fluorescent-labeled aeruginosin derivatives for high-throughput fluorescence correlation spectroscopy assays. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2904-2907.	2.2	7
75	Donor-Bound Glycosylation for Various Glycosyl Acceptors: Bidirectional Solid-Phase Semisynthesis of Vancomycin and Its Derivatives. <i>Chemistry - an Asian Journal</i> , 2007, 2, 188-198.	3.3	15
76	High-Throughput Synthesis of Combinatorial Libraries Based on Natural Products. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2007, 65, 795-804.	0.1	5
77	Absolute Stereochemistry of Fungal Beauveriolide III and ACAT Inhibitory Activity of Four Stereoisomers. <i>Journal of Organic Chemistry</i> , 2006, 71, 7643-7649.	3.2	26
78	Total Synthesis of (R)-Telomestatin. <i>Organic Letters</i> , 2006, 8, 4165-4167.	4.6	112
79	Total Synthesis of Apratoxin A. <i>Organic Letters</i> , 2006, 8, 531-534.	4.6	85
80	Solid-Phase Combinatorial Synthesis of Aeruginosin Derivatives and Their Biological Evaluation. <i>ACS Combinatorial Science</i> , 2006, 8, 571-582.	3.3	32
81	Synthesis and Biological Evaluation of a Beauveriolide Analogue Library. <i>ACS Combinatorial Science</i> , 2006, 8, 103-109.	3.3	34
82	A Formal Total Synthesis of Taxol Aided by an Automated Synthesizer. <i>Chemistry - an Asian Journal</i> , 2006, 1, 370-383.	3.3	118
83	Design and Synthesis of Telomestatin Derivatives and Their Inhibitory Activity of Telomerase. <i>Heterocycles</i> , 2006, 69, 505.	0.7	43
84	Regio- and stereocontrolled Diels-Alder reaction tethered by Asp-Thr dipeptide. <i>Chemical Communications</i> , 2005, , 4908.	4.1	6
85	High speed parallel synthesis of banana-shaped molecules and phase transition behaviour of 4-bromo-substituted derivatives. <i>Liquid Crystals</i> , 2004, 31, 1323-1336.	2.2	27
86	Solid Phase Library Synthesis of Cyclic Depsipeptides: Aurilide and Aurilide Analogues. <i>ACS Combinatorial Science</i> , 2003, 5, 414-428.	3.3	47
87	Allylpalladation and Related Reactions of Alkenes, Alkynes, Dienes, and Other π -Compounds. , 0, , 1449-1462.		2