Tohru Taniguchi

List of Publications by Year
in descending order

46	1,228	394421	377865
papers	citations	19 h-index	34 g-index

47	47	47	1374
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exciton Chirality Method in Vibrational Circular Dichroism. Journal of the American Chemical Society, 2012, 134, 3695-3698.	13.7	152
2	Genome Mining for Sesterterpenes Using Bifunctional Terpene Synthases Reveals a Unified Intermediate of Di/Sesterterpenes. Journal of the American Chemical Society, 2015, 137, 11846-11853.	13.7	141
3	Reassessing the Structure of Pyranonigrin. Journal of Natural Products, 2007, 70, 1180-1187.	3.0	63
4	Structures of Spiroindicumides A and B, Unprecedented Carbon Skeletal Spirolactones, and Determination of the Absolute Configuration by Vibrational Circular Dichroism Exciton Approach. Organic Letters, 2013, 15, 4320-4323.	4.6	58
5	Structural Diversity of New C₁₃-Polyketides Produced by Chaetomium mollipilium Cultivated in the Presence of a NAD⁺-Dependent Histone Deacetylase Inhibitor. Organic Letters, 2012, 14, 5456-5459.	4.6	52
6	Focused Genome Mining of Structurally Related Sesterterpenes: Enzymatic Formation of Enantiomeric and Diastereomeric Products. Organic Letters, 2017, 19, 6696-6699.	4.6	48
7	Epigenetic stimulation of polyketide production in Chaetomium cancroideum by an NAD⁺-dependent HDAC inhibitor. Organic and Biomolecular Chemistry, 2016, 14, 646-651.	2.8	46
8	Absolute Configuration of Actinophyllic Acid As Determined through Chiroptical Data. Journal of Natural Products, 2009, 72, 430-432.	3.0	45
9	Short Synthesis of Berkeleyamide D and Determination of the Absolute Configuration by the Vibrational Circular Dichroism Exciton Chirality Method. Organic Letters, 2014, 16, 1386-1389.	4.6	44
10	In Depth Study on Solution-State Structure of Poly(lactic acid) by Vibrational Circular Dichroism. Macromolecules, 2014, 47, 5313-5319.	4.8	42
11	Stereochemical Analysis of Glycerophospholipids by Vibrational Circular Dichroism. Journal of the American Chemical Society, 2015, 137, 12191-12194.	13.7	41
12	Formal (4+1) Cycloaddition and Enantioselective Michaelâ€“Henry Cascade Reactions To Synthesize Spiro[4,5]decanes and Spirooxindole Polycycles. Angewandte Chemie - International Edition, 2017, 56, 5853-5857.	13.8	40
13	Post-genomic approach based discovery of alkylresorcinols from a cricket-associated fungus, Penicillium soppi. Organic and Biomolecular Chemistry, 2019, 17, 5239-5243.	2.8	35
14	The Discovery of Fungal Polyene Macrolides via a Postgenomic Approach Reveals a Polyketide Macrocyclization by trans-Acting Thioesterase in Fungi. Organic Letters, 2019, 21, 4788-4792.	4.6	33
15	Absolute configurations of endoperoxides determined by vibrational circular dichroism (VCD). Tetrahedron Letters, 2006, 47, 4389-4392.	1.4	31
16	Chiral sulfinates studied by optical rotation, ECD and VCD: the absolute configuration of a cruciferous phytoalexin brassicanal C. Organic and Biomolecular Chemistry, 2008, 6, 4399.	2.8	29
17	Î±-Arylation of Î±-Amino Acid Derivatives with Arynes via Memory of Chirality: Asymmetric Synthesis of Benzocyclobutenones with Tetrasubstituted Carbon. Organic Letters, 2017, 19, 352-355.	4.6	26
18	Spectrumâ€“Structure Relationship in Carbohydrate Vibrational Circular Dichroism and Its Application to Glycoconjugates. Chemistry - an Asian Journal, 2007, 2, 1258-1266.	3.3	20

#	Article	IF	Citations
19	Enantioâ€•and Diastereoselective Synthesis of Latanoprost using an Organocatalyst. Chemistry - A European Journal, 2018, 24, 8409-8414.	3.3	20
20	Analysis of Configuration and Conformation of Furanose Ring in Carbohydrate and Nucleoside by Vibrational Circular Dichroism. Organic Letters, 2017, 19, 404-407.	4.6	19
21	KB343, a Cyclic Tris-guanidine Alkaloid from Palauan Zoantharian Epizoanthus illoricatus. Organic Letters, 2018, 20, 3039-3043.	4.6	19
22	Preparation of Carbodiimides with One-Handed Axial Chirality. Journal of the American Chemical Society, 2018, 140, 15577-15581.	13.7	18
23	Analysis of Molecular Configuration and Conformation by (Electronic and) Vibrational Circular Dichroism: Theoretical Calculation and Exciton Chirality Method. Bulletin of the Chemical Society of Japan, 2017, 90, 1005-1016.	3.2	17
24	Synthetic-biology-based discovery of a fungal macrolide from Macrophomina phaseolina. Organic and Biomolecular Chemistry, 2020, 18, 2813-2816.	2.8	17
25	Genome Mining-Based Discovery of Fungal Macrolides Modified by glycosylphosphatidylinositol (GPI)â€“Ethanolamine Phosphate Transferase Homologues. Organic Letters, 2020, 22, 5876-5879.	4.6	16
26	Vibrational circular dichroism (VCD) studies on disaccharides in the CH region: toward discrimination of the glycosidic linkage position. Organic and Biomolecular Chemistry, 2007, 5, 1104.	2.8	15
27	Studying the stereostructures of biomolecules and their analogs by vibrational circular dichroism. Polymer Journal, 2016, 48, 925-931.	2.7	15
28	Use of plant hormones to activate silent polyketide biosynthetic pathways in Arthrinium sacchari, a fungus isolated from a spider. Organic and Biomolecular Chemistry, 2019, 17, 780-784.	2.8	13
29	Inversion of the Axial Information during Oxidative Aromatization in the Synthesis of Axially Chiral Biaryls with Organocatalysis as a Key Step. Chemistry - A European Journal, 2020, 26, 4524-4530.	3.3	13
30	Formal (4+1) Cycloaddition and Enantioselective Michaelâ€“Henry Cascade Reactions To Synthesize Spiro[4,5]decanes and Spirooxindole Polycycles. Angewandte Chemie, 2017, 129, 5947-5951.	2.0	12
31	Reinvestigation of the Absolute Configurations of Chiral Î²-Mercaptoalkanones Using Vibrational Circular Dichroism and ¹H NMR Analysis. Journal of Agricultural and Food Chemistry, 2016, 64, 8563-8571.	5.2	11
32	Control of Reactions of Pyruvates by Catalysts: Direct Enantioselective Mannich Reactions of Pyruvates Catalyzed by Amine-based Catalyst Systems. Organic Letters, 2022, 24, 1853-1858.	4.6	11
33	A characteristic CH band in VCD of methyl glycosidic carbohydrates. Tetrahedron Letters, 2004, 45, 8451-8453.	1.4	10
34	Myrindole A, an Antimicrobial Bis-indole from a Marine Sponge Myrmekioderma sp.. Organic Letters, 2021, 23, 3477-3480.	4.6	10
35	Synthesis and Photochemical Properties of Axially Chiral Bis(dinaphthofuran). Journal of Organic Chemistry, 2018, 83, 14610-14616.	3.2	9
36	Observation and characterization of a specific vibrational circular dichroism band in phenyl glycosides. Chirality, 2008, 20, 446-453.	2.6	7

#	Article	IF	Citations
37	Determination of the Absolute Configurations and Sensory Properties of the Enantiomers of a Homologous Series (C6â€“C10) of 2-Mercapto-4-alkanones. Journal of Agricultural and Food Chemistry, 2019, 67, 1187-1196.	5.2	5
38	Total Synthesis of Sophoraflavanone H and Confirmation of Its Absolute Configuration. Organic Letters, 2020, 22, 3820-3824.	4.6	5
39	Structural Studies on Stilbene Oligomers Isolated from the Seeds of Melinjo (Gnetum gnemon L.). ACS Omega, 2020, 5, 12245-12250.	3.5	5
40	Deuterium labelling to extract local stereochemical information by VCD spectroscopy in the Câ€“D stretching region: a case study of sugars. Organic and Biomolecular Chemistry, 2022, 20, 1067-1072.	2.8	5
41	Stereostructural analysis of flexible oxidized fatty acids by VCD spectroscopy. Chemical Communications, 2022, 58, 6116-6119.	4.1	4
42	Enantiodivergent oneâ€pot synthesis of axially chiral biaryls using organocatalystâ€mediated enantioselective domino reaction and centralâ€toâ€axial chirality conversion. Chemistry - A European Journal, 2021, 27, 15786-15794.	3.3	2
43	Exploration of chromophores for a VCD couplet in a spectrally transparent infrared region for biomolecules. Physical Chemistry Chemical Physics, 2021, 23, 27525-27532.	2.8	2
44	Modifying oligoalanine conformation by replacement of amide to ester linkage. Chirality, 2018, 30, 396-401.	2.6	1
45	Synthesis of Bicyclo[2.2.2]octanes with a Quaternary Bridgehead Carbon by Diphenylprolinol Silyl Etherâ€mediated Domino Reaction. Asian Journal of Organic Chemistry, 0, , .	2.7	1
46	Stereochemistry (and Conformation) of Nucleosides and Their Synthetic Precursors by Vibrational Circular Dichroism. Current Protocols in Nucleic Acid Chemistry, 2018, 72, 7.29.1-7.29.9.	0.5	0