

Tohru Taniguchi

List of Publications by Year in descending order

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46
papers

1,228
citations

394421

19
h-index

377865

34
g-index

47
all docs

47
docs citations

47
times ranked

1374
citing authors

#	ARTICLE	IF	CITATIONS
1	Deuterium labelling to extract local stereochemical information by VCD spectroscopy in the C–D stretching region: a case study of sugars. <i>Organic and Biomolecular Chemistry</i> , 2022, 20, 1067-1072.	2.8	5
2	Control of Reactions of Pyruvates by Catalysts: Direct Enantioselective Mannich Reactions of Pyruvates Catalyzed by Amine-based Catalyst Systems. <i>Organic Letters</i> , 2022, 24, 1853-1858.	4.6	11
3	Stereostructural analysis of flexible oxidized fatty acids by VCD spectroscopy. <i>Chemical Communications</i> , 2022, 58, 6116-6119.	4.1	4
4	Myrindole A, an Antimicrobial Bis-indole from a Marine Sponge <i>Myrmekioderma</i> sp.. <i>Organic Letters</i> , 2021, 23, 3477-3480.	4.6	10
5	Enantiodivergent one-pot synthesis of axially chiral biaryls using organocatalyst-mediated enantioselective domino reaction and central-to-axial chirality conversion. <i>Chemistry - A European Journal</i> , 2021, 27, 15786-15794.	3.3	2
6	Exploration of chromophores for a VCD couplet in a spectrally transparent infrared region for biomolecules. <i>Physical Chemistry Chemical Physics</i> , 2021, 23, 27525-27532.	2.8	2
7	Inversion of the Axial Information during Oxidative Aromatization in the Synthesis of Axially Chiral Biaryls with Organocatalysis as a Key Step. <i>Chemistry - A European Journal</i> , 2020, 26, 4524-4530.	3.3	13
8	Genome Mining-Based Discovery of Fungal Macrolides Modified by glycosylphosphatidylinositol (GPI)-Ethanamine Phosphate Transferase Homologues. <i>Organic Letters</i> , 2020, 22, 5876-5879.	4.6	16
9	Synthetic-biology-based discovery of a fungal macrolide from <i>Macrophomina phaseolina</i> . <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 2813-2816.	2.8	17
10	Total Synthesis of Sophoraflavanone H and Confirmation of Its Absolute Configuration. <i>Organic Letters</i> , 2020, 22, 3820-3824.	4.6	5
11	Structural Studies on Stilbene Oligomers Isolated from the Seeds of Melinjo (<i>Gnetum gnemon</i> L.). <i>ACS Omega</i> , 2020, 5, 12245-12250.	3.5	5
12	Use of plant hormones to activate silent polyketide biosynthetic pathways in <i>Arthrinium sacchari</i> , a fungus isolated from a spider. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 780-784.	2.8	13
13	The Discovery of Fungal Polyene Macrolides via a Postgenomic Approach Reveals a Polyketide Macrocyclization by trans-Acting Thioesterase in Fungi. <i>Organic Letters</i> , 2019, 21, 4788-4792.	4.6	33
14	Post-genomic approach based discovery of alkylresorcinols from a cricket-associated fungus, <i>Penicillium soppi</i> . <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 5239-5243.	2.8	35
15	Determination of the Absolute Configurations and Sensory Properties of the Enantiomers of a Homologous Series (C6–C10) of 2-Mercapto-4-alkanones. <i>Journal of Agricultural and Food Chemistry</i> , 2019, 67, 1187-1196.	5.2	5
16	Modifying oligoalanine conformation by replacement of amide to ester linkage. <i>Chirality</i> , 2018, 30, 396-401.	2.6	1
17	Enantio- and Diastereoselective Synthesis of Latanoprost using an Organocatalyst. <i>Chemistry - A European Journal</i> , 2018, 24, 8409-8414.	3.3	20
18	Stereochemistry (and Conformation) of Nucleosides and Their Synthetic Precursors by Vibrational Circular Dichroism. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2018, 72, 7.29.1-7.29.9.	0.5	0

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19	KB343, a Cyclic Tris-guanidine Alkaloid from Palauan Zoantharian <i>Epizoanthus illoricatus</i> . <i>Organic Letters</i> , 2018, 20, 3039-3043.	4.6	19
20	Preparation of Carbodiimides with One-Handed Axial Chirality. <i>Journal of the American Chemical Society</i> , 2018, 140, 15577-15581.	13.7	18
21	Synthesis and Photochemical Properties of Axially Chiral Bis(dinaphthofuran). <i>Journal of Organic Chemistry</i> , 2018, 83, 14610-14616.	3.2	9
22	Formal (4+1) Cycloaddition and Enantioselective Michael-Henry Cascade Reactions To Synthesize Spiro[4,5]decanes and Spirooxindole Polycycles. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 5853-5857.	13.8	40
23	Formal (4+1) Cycloaddition and Enantioselective Michael-Henry Cascade Reactions To Synthesize Spiro[4,5]decanes and Spirooxindole Polycycles. <i>Angewandte Chemie</i> , 2017, 129, 5947-5951.	2.0	12
24	$\hat{\pm}$ -Arylation of $\hat{\pm}$ -Amino Acid Derivatives with Arynes via Memory of Chirality: Asymmetric Synthesis of Benzocyclobutenones with Tetrasubstituted Carbon. <i>Organic Letters</i> , 2017, 19, 352-355.	4.6	26
25	Analysis of Configuration and Conformation of Furanose Ring in Carbohydrate and Nucleoside by Vibrational Circular Dichroism. <i>Organic Letters</i> , 2017, 19, 404-407.	4.6	19
26	Analysis of Molecular Configuration and Conformation by (Electronic and) Vibrational Circular Dichroism: Theoretical Calculation and Exciton Chirality Method. <i>Bulletin of the Chemical Society of Japan</i> , 2017, 90, 1005-1016.	3.2	17
27	Focused Genome Mining of Structurally Related Sesterterpenes: Enzymatic Formation of Enantiomeric and Diastereomeric Products. <i>Organic Letters</i> , 2017, 19, 6696-6699.	4.6	48
28	Reinvestigation of the Absolute Configurations of Chiral $\hat{2}$ -Mercaptoalkanones Using Vibrational Circular Dichroism and ^1H NMR Analysis. <i>Journal of Agricultural and Food Chemistry</i> , 2016, 64, 8563-8571.	5.2	11
29	Studying the stereostructures of biomolecules and their analogs by vibrational circular dichroism. <i>Polymer Journal</i> , 2016, 48, 925-931.	2.7	15
30	Epigenetic stimulation of polyketide production in <i>Chaetomium cancroideum</i> by an NAD ⁺ -dependent HDAC inhibitor. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 646-651.	2.8	46
31	Stereochemical Analysis of Glycerophospholipids by Vibrational Circular Dichroism. <i>Journal of the American Chemical Society</i> , 2015, 137, 12191-12194.	13.7	41
32	Genome Mining for Sesterterpenes Using Bifunctional Terpene Synthases Reveals a Unified Intermediate of Di/Sesterterpenes. <i>Journal of the American Chemical Society</i> , 2015, 137, 11846-11853.	13.7	141
33	Short Synthesis of Berkeleyamide D and Determination of the Absolute Configuration by the Vibrational Circular Dichroism Exciton Chirality Method. <i>Organic Letters</i> , 2014, 16, 1386-1389.	4.6	44
34	In Depth Study on Solution-State Structure of Poly(lactic acid) by Vibrational Circular Dichroism. <i>Macromolecules</i> , 2014, 47, 5313-5319.	4.8	42
35	Structures of Spiroinducimides A and B, Unprecedented Carbon Skeletal Spirolactones, and Determination of the Absolute Configuration by Vibrational Circular Dichroism Exciton Approach. <i>Organic Letters</i> , 2013, 15, 4320-4323.	4.6	58
36	Structural Diversity of New C ₁₃ -Polyketides Produced by <i>Chaetomium mollipilium</i> Cultivated in the Presence of a NAD ⁺ -Dependent Histone Deacetylase Inhibitor. <i>Organic Letters</i> , 2012, 14, 5456-5459.	4.6	52

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37	Exciton Chirality Method in Vibrational Circular Dichroism. <i>Journal of the American Chemical Society</i> , 2012, 134, 3695-3698.	13.7	152
38	Absolute Configuration of Actinophyllic Acid As Determined through Chiroptical Data. <i>Journal of Natural Products</i> , 2009, 72, 430-432.	3.0	45
39	Observation and characterization of a specific vibrational circular dichroism band in phenyl glycosides. <i>Chirality</i> , 2008, 20, 446-453.	2.6	7
40	Chiral sulfinates studied by optical rotation, ECD and VCD: the absolute configuration of a cruciferous phytoalexin brassicanal C. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 4399.	2.8	29
41	Vibrational circular dichroism (VCD) studies on disaccharides in the CH region: toward discrimination of the glycosidic linkage position. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 1104.	2.8	15
42	Reassessing the Structure of Pyranonigrin. <i>Journal of Natural Products</i> , 2007, 70, 1180-1187.	3.0	63
43	Spectrum-Structure Relationship in Carbohydrate Vibrational Circular Dichroism and Its Application to Glycoconjugates. <i>Chemistry - an Asian Journal</i> , 2007, 2, 1258-1266.	3.3	20
44	Absolute configurations of endoperoxides determined by vibrational circular dichroism (VCD). <i>Tetrahedron Letters</i> , 2006, 47, 4389-4392.	1.4	31
45	A characteristic CH band in VCD of methyl glycosidic carbohydrates. <i>Tetrahedron Letters</i> , 2004, 45, 8451-8453.	1.4	10
46	Synthesis of Bicyclo[2.2.2]octanes with a Quaternary Bridgehead Carbon by Diphenylprolinol Silyl Ether-mediated Domino Reaction. <i>Asian Journal of Organic Chemistry</i> , 0, , .	2.7	1