

# Satoru Goto

## List of Publications by Year in descending order

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65  
papers

1,801  
citations

331259

21  
h-index

276539

41  
g-index

67  
all docs

67  
docs citations

67  
times ranked

1787  
citing authors

#	ARTICLE	IF	CITATIONS
1	Efficient radical trapping at the surface and inside the phospholipid membrane is responsible for highly potent antiperoxidative activity of the carotenoid astaxanthin. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2001, 1512, 251-258.	1.4	286
2	Intramolecular Nonbonded S $\ddot{A}$ - $\ddot{A}$ -O Interaction Recognized in (Acylimino)thiadiazoline Derivatives as Angiotensin II Receptor Antagonists and Related Compounds. <i>Journal of the American Chemical Society</i> , 1998, 120, 3104-3110.	6.6	259
3	Hypervalent (tert-Butylperoxy)iodanes Generate Iodine-Centered Radicals at Room Temperature in Solution: $\alpha$ -Oxidation and Deprotection of Benzyl and Allyl Ethers, and Evidence for Generation of $\dot{I}$ -Oxy Carbon Radicals. <i>Journal of the American Chemical Society</i> , 1996, 118, 7716-7730.	6.6	136
4	Mechanism of potent antiperoxidative effect of capsaicin. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2002, 1573, 84-92.	1.1	110
5	Secondary Hypervalent I(III)- $\ddot{A}$ - $\ddot{A}$ -O Interactions: $\alpha$ -Synthesis and Structure of Hypervalent Complexes of Diphenyl- $\lambda^3$ -iodanes with 18-Crown-6. <i>Journal of the American Chemical Society</i> , 2003, 125, 769-773.	6.6	67
6	Fluctuation of the First Loop Facing the Matrix of the Mitochondrial ADP/ATP Carrier Deduced from Intermolecular Cross-Linking of Cys56 Residues by Bifunctional Dimaleimides. <i>Biochemistry</i> , 1999, 38, 1050-1056.	1.2	58
7	Synthesis, Structure, and Reaction of 1-Alkynyl(aryl)- $\lambda^3$ -bromanes. <i>Journal of the American Chemical Society</i> , 2003, 125, 15304-15305.	6.6	58
8	Binding of the Fluorescein Derivative Eosin Y to the Mitochondrial ADP/ATP Carrier: $\Delta$ Characterization of the Adenine Nucleotide Binding Site. <i>Biochemistry</i> , 1998, 37, 424-432.	1.2	49
9	Evidence for Reversible Ylide Formation: $\Delta$ Equilibrium between Free Alkylidenecarbenes and Ethereal Solvent- $\pi$ -Alkylidenecarbene Complexes (Oxonium Ylides). <i>Journal of the American Chemical Society</i> , 1996, 118, 10141-10149.	6.6	48
10	Structural requirements of salicylanilides for uncoupling activity in mitochondria: Quantitative analysis of structure-uncoupling relationships. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 1988, 936, 504-512.	0.5	43
11	Intramolecular nonbonded S $\ddot{a}$ - $\ddot{O}$ interaction in acetazolamide and thiadiazolinethione molecules in their dimeric crystalline structures and complex crystalline structures with enzymes. <i>Tetrahedron Letters</i> , 2004, 45, 8757-8761.	0.7	35
12	Novel heterocyclic ring-expansion and/or dehydration-hydration reactions of propargylic and allenyl hydroxy $\lambda^3$ -lactams in the presence of strong base or Lewis acid. <i>Tetrahedron</i> , 1998, 54, 14437-14454.	1.0	31
13	1-Alkynyl(aryl)(tetrafluoroborato)- $\lambda^3$ -bromanes as Highly Efficient Michael Acceptors: Uncatalyzed Conjugate Addition of 1-Alkynyl(trialkyl)stannanes To Yield Symmetrical and Unsymmetrical 1,3-Butadiynes. <i>Angewandte Chemie - International Edition</i> , 2005, 44, 406-409.	7.2	31
14	Mechanistic Investigations on the Reaction between Amines or Amides and an Alkylperoxy- $\lambda^3$ -iodane. <i>Journal of Organic Chemistry</i> , 2003, 68, 3307-3310.	1.7	30
15	TX-2152: A conformationally rigid and electron-rich diyne analogue of FTY720 with in vivo antiangiogenic activity. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 7705-7714.	1.4	29
16	Synthesis and nucleophilic substitution of allenyl(m-nitrophenyl)iodanes as a new propynyl cation-equivalent species: synthesis of propynyl ethers, esters, and amides. <i>Chemical Communications</i> , 1996, , 1933.	2.2	28
17	Two lignan dimers from bamboo stems ( <i>Phyllostachys edulis</i> ). <i>Phytochemistry</i> , 2003, 64, 991-996.	1.4	27
18	Synthesis and Characterization of Bromonium Ylides and Their Unusual Ligand Transfer Reactions with N-Heterocycles. <i>Journal of the American Chemical Society</i> , 2006, 128, 9608-9609.	6.6	26

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19	New Ring-Expansion Reactions of Hydroxy Propenoyl Cyclic Compounds under Palladium(0)/Phosphine-Catalyzed Conditions. <i>Organic Letters</i> , 2004, 6, 2133-2136.	2.4	24
20	Drug release behavior of hydrophobic drug-loaded poly (lactide-co-glycolide) nanoparticles: Effects of glass transition temperature. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2017, 529, 328-333.	2.3	23
21	Remarkable discrepancy in the predominant structures of acyl(or thioacyl)aminothiadiazoles, acyl(or) Tj ETQq1 1 0.784314 rgBT /Ove and tautomeric isomerism. <i>Tetrahedron Letters</i> , 2002, 43, 1709-1712.	0.7	22
22	Evaluation of pure antioxidative capacity of antioxidants: ESR spectroscopy of stable radicals by DPPH and ABTS assays with singular value decomposition. <i>Food Bioscience</i> , 2022, 48, 101714.	2.0	22
23	Terpenoids from <i>Tripterygium doianum</i> (Celastraceae). <i>Phytochemistry</i> , 2002, 61, 93-98.	1.4	21
24	Features of heat-induced amorphous complex between indomethacin and lidocaine. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 102, 590-596.	2.5	20
25	Stabilities of the fluorescent SH-reagent eosin-5-maleimide and its adducts with sulfhydryl compounds. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 1995, 1243, 336-342.	1.1	19
26	Mechanistic Considerations for the Consecutive Cyclization of 2,3-Dibromopropylamine Hydrobromide Giving a Strained Molecule, 1-Azabicyclo[1.1.0]butane. <i>Chemical and Pharmaceutical Bulletin</i> , 2004, 52, 89-94.	0.6	18
27	Estimation of Crystallinity of Nifedipine- $\beta$ -Polyvinylpyrrolidone Solid Dispersion by Usage of Terahertz Time-Domain Spectroscopy and of X-Ray Powder Diffractometer. <i>Journal of Pharmaceutical Sciences</i> , 2015, 104, 4307-4313.	1.6	16
28	Enhancement of the 1-Octanol/Water Partition Coefficient of the Anti-Inflammatory Indomethacin in the Presence of Lidocaine and Other Local Anesthetics. <i>Journal of Physical Chemistry B</i> , 2015, 119, 9868-9873.	1.2	16
29	Association and dissociation of (Z)-(1 <sup>2</sup> -bromoalkenyl)-(phenyl)iodonium bromide in chloroform solution: Detection of vinyl-1 <sup>2</sup> -iodane dimer in solution. <i>Tetrahedron Letters</i> , 1999, 40, 1559-1562.	0.7	14
30	Decarboxylation of indomethacin induced by heat treatment. <i>International Journal of Pharmaceutics</i> , 2018, 545, 51-56.	2.6	14
31	Melting Process of the Peritectic Mixture of Lidocaine and Ibuprofen Interpreted by Site Percolation Theory Model. <i>Journal of Pharmaceutical Sciences</i> , 2017, 106, 3016-3021.	1.6	13
32	Mechanisms underlying changes in indomethacin solubility with local anesthetics and related basic additives. <i>Journal of Molecular Structure</i> , 2018, 1155, 165-170.	1.8	13
33	Characteristics of amorphous complex formed between indomethacin and lidocaine hydrochloride. <i>Colloids and Surfaces B: Biointerfaces</i> , 2013, 105, 98-105.	2.5	12
34	Relationship Between Phase Solubility Diagrams and Crystalline Structures During Dissolution of Cimetidine/Cyclodextrin Complex Crystals. <i>Journal of Pharmaceutical Sciences</i> , 2020, 109, 2206-2212.	1.6	12
35	Effects of phosphate on drug solubility behavior of mixture ibuprofen and lidocaine. <i>Chemical Physics</i> , 2019, 525, 110415.	0.9	11
36	Quantitative structure-activity relationships of benzoyliminothiadiazoline derivatives as angiotensin II receptor antagonists. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 385-388.	1.0	10

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37	Quantitative structure-activity relationships of benzamide derivatives for anti-leukotriene activities. <i>Journal of Medicinal Chemistry</i> , 1992, 35, 2440-2445.	2.9	9
38	Topology of the Interconversion Pathway Networks of Cycloheptane Conformations and Those of Related <i>n</i> -Membered Rings. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 230-242.	2.0	9
39	Dibucaine inhibits ketoprofen photodegradation via a mechanism different from that of antioxidants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2017, 333, 208-212.	2.0	9
40	Molecular recognizable ion-paired complex formation between diclofenac/indomethacin and famotidine/cimetidine regulates their aqueous solubility. <i>International Journal of Pharmaceutics</i> , 2020, 590, 119841.	2.6	9
41	Stabilization of the Metastable $\beta$ -Form of Indomethacin Induced by the Addition of 2-Hydroxypropyl- $\beta$ -Cyclodextrin, Causing Supersaturation (Spring) and Its Sustaining Deployment (Parachute). <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 3623-3630.	1.6	9
42	Singular value decomposition analysis of the secondary structure features contributing to the circular dichroism spectra of model proteins. <i>Biochemistry and Biophysics Reports</i> , 2021, 28, 101153.	0.7	9
43	The function of oxybuprocaine: a parachute effect that sustains the supersaturated state of anhydrous piroxicam crystals. <i>RSC Advances</i> , 2020, 10, 1572-1579.	1.7	8
44	Dynamic Structural Features of Macrocyclic Cytochalasin Analogues Responsible for Their Hexose Transport Inhibition. <i>Journal of the American Chemical Society</i> , 1998, 120, 2457-2463.	6.6	7
45	Three-Dimensional Structure-Activity Relationships of Synthetic Pyrethroids: 2. Three-Dimensional and Classical QSAR Studies. <i>QSAR and Combinatorial Science</i> , 2000, 19, 455-466.	1.4	7
46	Effects of ionic and reductive atmosphere on the conformational rearrangement in hen egg white lysozyme prior to amyloid formation. <i>Colloids and Surfaces B: Biointerfaces</i> , 2020, 190, 110845.	2.5	7
47	Effects of Heat Treatment on Indomethacin-Cimetidine Mixture; Investigation of Drug-Drug Interaction Using Singular Value Decomposition in FTIR Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2021, 110, 1142-1147.	1.6	7
48	Comparative study of the hydrophobic interaction effect of pH and ionic strength on aggregation/emulsification of Congo red and amyloid fibrillation of insulin. <i>BBA Advances</i> , 2022, 2, 100036.	0.7	6
49	Increased selectivity of sodium deoxycholate to around Tryptophan213 in bovine serum albumin upon micellization as revealed by singular value decomposition for excitation emission matrix. <i>Colloids and Surfaces B: Biointerfaces</i> , 2022, 212, 112344.	2.5	6
50	Quantitative Estimation of Interaction between Carbohydrates and Concanavalin A by Surface Plasmon Resonance Biosensor.. <i>Chemical and Pharmaceutical Bulletin</i> , 2002, 50, 445-449.	0.6	5
51	How does the mitochondrial ADP/ATP carrier distinguish transportable ATP and ADP from untransportable AMP and GTP? Dynamic modeling of the recognition/translocation process in the major substrate binding region. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 2002, 1589, 203-218.	1.9	5
52	Dry and Wet Mechanochemical Synthesis of Piroxicam and Saccharin Co-Crystals and Evaluation by Powder X-Ray Diffraction, Thermal Analysis and Mid- and Near- Infrared Spectroscopy. <i>Journal of Pharmaceutical Sciences</i> , 2022, 111, 88-94.	1.6	5
53	Structural requirements of leukotriene antagonists. <i>Pharmacochemistry Library</i> , 1995, 23, 341-367.	0.1	4
54	Leading individual features of antioxidant systematically classified by the ORAC assay and its single electron transfer and hydrogen atom transfer reactivities; analyzing ALS therapeutic drug Edaravone. <i>BBA Advances</i> , 2021, 1, 100030.	0.7	4

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55	Protective effects of cyclodextrins on edaravone degradation induced by atmospheric oxygen or additive oxidant. <i>Journal of Inclusion Phenomena and Macrocyclic Chemistry</i> , 2022, 102, 327-338.	0.9	4
56	Three-Dimensional Structure-Activity Relationships of Synthetic Pyrethroids: 1. Similarity in Bioactive Conformations and Their Structure-Activity Pattern. <i>QSAR and Combinatorial Science</i> , 2000, 19, 10-21.	1.4	3
57	QSAR study for transdermal delivery of drugs and chemicals. , 2014, , 121-129.		3
58	The configuration space of a model for ringed hydrocarbon molecules. <i>Hiroshima Mathematical Journal</i> , 2012, 42, .	0.1	3
59	The closed chains with spherical configuration spaces. <i>Hiroshima Mathematical Journal</i> , 2012, 42, .	0.1	3
60	The configuration space of almost regular polygons. <i>Hiroshima Mathematical Journal</i> , 2020, 50, .	0.1	2
61	Saturated adsorption of lidocaine and coal tar dyes onto porous polytetrafluoroethylene. <i>RSC Advances</i> , 2022, 12, 1914-1921.	1.7	2
62	Enthalpy-Entropy Compensation in the Structure-Dependent Effect of Nonsteroidal Anti-inflammatory Drugs on the Aqueous Solubility of Diltiazem. <i>Chemical and Pharmaceutical Bulletin</i> , 2022, 70, 120-129.	0.6	2
63	Synthesis, Structure, and Reaction of 1-Alkynyl(aryl)-3-bromanes.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
64	New Ring-Expansion Reactions of Hydroxy Propenoyl Cyclic Compounds under Palladium(0)/Phosphine-Catalyzed Conditions.. <i>ChemInform</i> , 2004, 35, no.	0.1	0
65	1-Alkynyl(aryl)(tetrafluoroborate)-3-bromanes as Highly Efficient Michael Acceptors: Uncatalyzed Conjugate Addition of 1-Alkynyl(trialkyl)stannanes to Yield Symmetrical and Unsymmetrical 1,3-Butadiynes.. <i>ChemInform</i> , 2005, 36, no.	0.1	0